



SECTION V – REVISED SCOPE OF WORK

CITY OF PHOENIX

BID ITEM ONE

1. For the supply of propane, gas and diesel sit-down counterbalanced lift trucks of various lift capacities. Lift capacities of 4,000 lbs., 5,000 lbs., 6,000 lbs., 7,000 lbs., and 10,000 lbs. Vendors providing bids must have local parts and service support.
2. ENGINE:
 - a. As specified by the manufacturer based on weight of forklift
3. COOLING SYSTEM
 - a. High capacity radiator.
 - b. Pressurized sealed cooling system.
 - c. Coolant recovery tank for visual checks of coolant levels. Spin-on type coolant filter.
 - d. Heavy duty fan with shroud.
 - e. Hoses: Silicone with compatible clamps.
4. ELECTRICAL SYSTEM
 - a. 12-volt system, electrical start.
 - b. Battery: Heavy duty, low maintenance.
5. TRANSMISSION
 - a. Forward and Reverse.
 - b. Transmission servicing to be accomplished in truck.
6. DRIVE AXLE
 - a. One-piece housing.
 - b. Full floating heavy-duty axle shafts.
 - c. Ring gear and pinion differential assembly or equal.
7. BRAKES
 - a. Hydraulic brakes, self-adjusting.
 - b. Drums are separate from wheels.
 - c. Brakes to be shielded against dirt and water.
 - d. Independent emergency parking brake with audible or visual "brake on" warning signal.
8. HYDRAULIC SYSTEM
 - a. Filter: Suction line, 25 microns minimum. Must be easily accessible for service. Filter to be a spin-on type.
9. STEERING
 - a. Hydrostatic power steering, tilt wheel.
 - b. Steering axle to articulate to provide four-wheel contact on uneven surfaces.
10. INSTRUMENTATION
 - a. Fuel gauge electrically operated.



SECTION V – REVISED SCOPE OF WORK

CITY OF PHOENIX

- b. Oil pressure gauge.
 - c. Water temperature gauge.
 - d. Ammeter or voltmeter.
 - e. Engine hour meter.
 - f. Electric discharge and high engine temperature warning lights.
11. LIFT SPECIFICATIONS
- a. Capacity: Maximum capacity at 24" center to 5' above ground, (minimum).
 - b. Lifting height: Approximately 187".
 - c. Mast: Three stage upright.
 - d. Forks: 42" long, reinforced at heel section, pallet type.
 - e. Maximum overall lowered height not to exceed height of roll cage, or 87" on forklifts up to 7,000 lbs. capacity.
 - f. Full Free Lift
 - g. Tilt: 6° forward, 5° backward, minimum.
 - h. Load backrest
12. TIRES
- a. Standard pneumatic type, 2 front and 2 rear.
13. SAFETY
- a. Overhead guard (Roll Over Protection System) that meets all required safety regulations, standards, and guidelines.
 - b. Back-up alarm.
 - c. Beacon: Amber strobe/beacon light.
 - d. Rear view mirror(s).
14. SIDE SHIFT
- a. Hydraulic side shift to align forks, with load, from driver's compartment.
15. SEAT
- a. Adjustable, forward and back.
16. LIGHTS
- a. Work lights, two (2) front and two (2) rear, independently switched front and rear.
17. WARRANTY
- Unit shall have a minimum 12-month bumper-to-bumper warranty.
18. CERTIFICATION
- This truck shall comply with the design specifications of Part II ANSI B56.1 - 1969 as required by OSHA Section, Section 1910.178 a (2) and with Part II ANSI B56.1 - 1975. Compliance to appear on name plate and affixed to the truck at the factory.

BID ITEM TWO



SECTION V – REVISED SCOPE OF WORK

CITY OF PHOENIX

1. For the supply of 24-volt, electric pallet trucks with 2,000 to 6,000 lbs. lift capacity. Vendors providing bids must have local parts and service support.
2. POWER
 - a. 24-volt electric system- latest generation 3-phase AC motor
 - b. Matching charger
3. OPERATION
 - a. Stand-up, End Control Rider
 - b. Shall have a cushioned platform/floor mat.
 - c. Controls for travel, steering, lift and lower, and horn will be located on operator's handle.
 - d. Operator's handle shall allow operation from both the left and right side.
 - e. Hour meter and battery discharge indicator display.
 - f. Power steering
4. LIFT SPECIFICATIONS
 - a. Forks: 48" long
 - b. Load backrest
5. WARRANTY
Unit shall have a minimum 12-month bumper-to-bumper warranty.

BID ITEM THREE

1. For the supply of narrow aisle articulating forklift pallet trucks of various lift capacities ranging from 3,200 lbs. to 5500 lbs. such as Aisle-Master, Bendi Narrow Aisle, Flexi Narrow Aisle or equivalent articulating forklift. Vendors providing bids must have local parts and service support.
2. ENGINE
 - a. As specified by the manufacturer based on weight of forklift
3. TRANSMISSION
 - a. Forward and Reverse.
 - b. Transmission servicing to be accomplished in truck.
4. DRIVE AXLE
 - a. Two-piece housing.
 - b. Full floating heavy-duty axle shafts.
 - c. Ring gear and pinion differential assembly or equal.
5. BRAKES
 - a. Hydraulic brakes, self-adjusting.
 - b. Drums are separate from wheels.
 - c. Brakes to be shielded against dirt and water.



SECTION V – REVISED SCOPE OF WORK

CITY OF PHOENIX

- d. Independent emergency parking brake with audible or visual "brake on" warning signal.
6. HYDRAULIC SYSTEM
 - a. High capacity direct drive gear pump relief valve to protect system from overload.
 - b. Must be easily accessible for service. Filter to be a spin-on type.
9. STEERING
 - a. Power steering , tilt wheel.
 - b. Steering axle to articulate to provide four-wheel contact on uneven surfaces.
10. INSTRUMENTATION
 - a. Charge gauge electrically operated.
 - b. Ammeter or voltmeter.
 - c. Engine hour meter.
 - d. Electric discharge and high engine temperature warning lights.
11. LIFT SPECIFICATIONS
 - a. Lift Height minimum 187"
 - b. Full Free Lift minimum 61"
 - c. Closed height 94"
 - d. Extended Height: 221" to 312"
 - e. Forks: 48" long, reinforced at heel section, pallet type.
 - f. Lift capacity 4000 lbs. - 6,500 lbs.
12. TIRES TYPES
 - a. Pneumatic; 2 front tires, 2 back
 - b. Solid; 2 front tires, 2 back

BID ITEM FOUR

1. For the supply of walkie reach lift pallet jack of various lift capacities ranging from 2,500 lbs. to 4,500 lbs. such as manufactured Toyota Walkie Reach, Hayworth Walkie Reach, Hyster or similar walkie reach lift. Vendors providing bids must have local parts and service support.
 - a. Electric System
 - b. 15ft Lift Height
 - c. Tilt Indicator
 - d. Display Forklift Height
 - e. Forklift Tilt Indicator