# FOUR (4) - POST VEHICLE ALIGNMENT LIFT – 15,000 LB. CAPACITY

**SCOPE**

The Government requires the acquisition and installation of one (1) 15,000-lb capacity, ALI/ANSI-certified four-post alignment lift to support professional automotive service operations. The lift must accommodate a broad range of vehicles including compact cars, SUVs, wide-track vehicles, and dual-wheel heavy-duty trucks and provide unobstructed service access through an open-front design compatible with optional alignment lighting systems.

The required lift shall include pro-style runways at least 26 inches wide, with an "easy-on" ramp and a lowered height not exceeding 8 inches to support low-profile vehicles. It must incorporate enhanced rear slip plates of no less than 100 inches in length, engineered for accurate four-wheel alignment on both long and short wheelbase vehicles, using full-floating polymer ball-transfer units for low-maintenance operation. To support lifting versatility, the system shall include low-profile rolling jack beams with extended-reach arms, a higher lifting stroke, and a low drive-over height, capable of fully retracting within the runways when not in use. The lift structure shall provide minimum rear column clearances of 120 inches drive-on and 125 inches body clearance to ensure adequate access for heavy-duty trucks.

The lift must deliver a minimum lifting height of 78 inches, a lifting time not exceeding 85 seconds, and operate on 208–230V, 60 Hz, single-phase, 30A electrical service with a 3 HP (2.2 kW) motor. An air supply of 90–120 PSI shall be required for auxiliary functions.

The contractor shall provide a standard-length configuration capable of supporting maximum wheelbases of 183 inches (standard). The installation site must meet minimum bay size requirements of 14 ft × 24 ft (standard). Optional features such as Locked & Lighted systems or drive-through ramp configurations may be included if determined necessary by the Government.

All equipment delivered shall be new, free of defects, installed in accordance with manufacturer specifications, and fully operational upon Government acceptance.

**MINIMUM SPECIFICATIONS**

**General Requirements**

- Lift Type: Four-post, open-front alignment lift
- Certification: Must be ALI-certified and meet ANSI lift safety standards
- Lifting Capacity: 15,000 lbs.

**Dimensions & Configuration**

- Overall Width: 142 in.
- Overall Height (Standard): 99 in.
- Runway Width: 26 in pro-style runways
- Lowered Runway Height: 8 in maximum
- Drive-On Clearance: 120 in.
- Body Clearance: 125 in.

**Lifting Performance**

- Max Lifting Height (Surface-Mount): 78 in.
- Lifting Time: Not to exceed 85 seconds

- Jack Beams: Low-profile rolling jacks with extended-reach arms, higher lifting stroke, and retractable design

**Alignment Features**

- Open-Front Cross Beam: Provides unobstructed access and supports optional lighting kits
- Enhanced Rear Slip Plates:
    - 100-inch extra-long slip plates
    - Full-floating, flush-mount design
    - Polymer ball-transfer units
- Front Wheel Stops: Must accommodate ultra-low-profile and long-wheelbase vehicles

**Electrical & Air Requirements**

- Power: 208–230V, 60 Hz, single-phase, 30A
- Motor: 3 HP (2.2 kW)
- Air Supply: 90–120 PSI (6–8 BAR)

**Vehicle Accommodation**

- Supported Vehicle Types: Compact sedans, SUVs, wide-track vehicles, dual-wheel heavy-duty trucks
- Maximum Wheelbase:
    - 183 in (Standard length models)

**Bay Size Requirements**

- Standard Length Lift: Minimum bay size 14 ft × 24 ft

**Optional Features**

- Locked & Lighted Package: Integrated lighting and automated alignment plate locking