**This AHA is provided as an example of content to consider during development of project-specific AHAs for like activities**

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| **Activity**:  Use of Elevated Work Platforms - aerial and scissors lifts following OSHA 1926.453 |

| **HAZARDS** | | |
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| *JOB STEP* | *HAZARDS* | *ACTIONS TO ELIMINATE OR MINIMIZE*  *EACH HAZARD* |
| Operation of Elevated Work Platforms - aerial and scissors lifts | 1. Unsafe operation  2. Struck by falling objects.  3. Crushing  4. Tipping or rolling over  5. Falls  6. Driving into bystanders/other workers  7. Electrocution  8. Electric shock.  9. Slips, trips, and falls  10. Respiratory hazard | 1a. Operators must be trained and competent to use equipment.  1b. Operator to be familiar with the Manufacturer’s Operators Manual.  1c. Conduct pre-shift inspection of equipment by competent person.  2. Barricade work area and place warning signs.  3a. Clear all personnel from the area before raising, lowering or slewing the platform.  3b. Ensure ample clearance above the platform to cater for any unexpected amplified upward platform movement.  3c. Keep body parts away from moving parts of lift.  4a. Inspect the entire work area and all ground conditions where the machine will travel during operation.  4b. Ensure load on platform is secure and evenly distributed.  4c. Do not exceed Manufacturer’s rated capacity of lift.  4d. Drive only on ground capable of supporting its weight (no potholes, floor hole covers, or soft spots)  4e. Do not perform work that will subject the boom to a side force (i.e. pushing/pulling on a fixed structure when working from the platform).  5a. Remain within the confines of the lift platform when operating.  5b. Ensure sufficient clearance between the platform and overhead obstructions.  5c. Never use ladders or boxes to gain extra height.  5d. Never stand on handrails to gain extra height.  5e. Remain within the confines of the lift platform when operating.  5e. Attach personal fall arrest harness with lanyard to the designated anchor point (Fall Protection training required).  5f. Never enter or exit the platform when elevated.  6a. Ensure all safety devices such as audible and visual alarms are operating.  6b. Clearly define the work area.  6c. Keep all personnel clear.  6d. Avoid congested work areas  6e. Two (2) certified operators must be present at all times during operations of the lift; one as a lift operator, and the other as a spotter.  7a. Maintain mandatory minimum clearances from overhead power lines.  7b. Barricade work areas.  7c. Insulate power lines  7d. Look Up and Live (before and during operation)  8a. Inspect all power and extension cords.  8b. Ensure cords are protected from falling objects, pinch points, or pedestrians or other traffic.  8c. Do not pull cord around sharp edges or corners.  8d. Where equipped, extension cord must be plugged into the plug located at the base of the machine, and then tools can run from the power outlet on the platform.  8e. Do not overload electrical circuit.  8f. Use GFCI protection.  9a. Ensure floor of platform is kept clean, good condition and intact.  9b. Avoid oil, grease and mud on boots on platform.  9c. Minimize the amount of tools and supplies in platform.  9d. Always maintain a good foot and hand hold when entering or exiting the platform  10a. Ensure that the lift is used in a well ventilated area.  10b. If working in poorly ventilated areas monitor exhaust fumes at regular intervals. |