|  |  |  |  |
| --- | --- | --- | --- |
| **Department:** | **Public Works** | **Safework Procedure** |  |
| **Subject:** | **Easy Lift Electric Crane (Unite #419 and #213)** | |

**EASY LIFT ELECTRIC CRANE UNIT #419 AND #213**

**PURPOSE:**

Unit #419 and #213 are equipped with Easy LiftTM electric cranes. These cranes are light duty and intended for light lifting tasks only. They are designed to retrieve catch basin lids out of the bottom of catch basin barrels or assisting with lifting small plate compactors such as jumping jacks.

**HAZARDS:**

* Working around traffic and mobile equipment moving parts

**PPE:**

|  |  |  |  |
| --- | --- | --- | --- |
| * Hardhat | * eye protection when required | * gloves & safety boots | * High -vis vest or coveralls |

**Pre-Setup:**

* Setup safe work zone
* Use traffic control when required
* Park truck to allow safe and easy operation of crane
* Ensure truck is parked on reasonably level ground
* Clear obstructions from swing area and notify workers in immediate area that crane is in use

**Setup:**

* Lower tailgate
* Unscrew swing lock on crane, rotate crane into position and lock swing
* Lower cable to remove from “locked out” position
* Remove safety cup and pin from lift arm and move to optimum lifting angle – replace pin and clip

**Procedure:**

* Lower cable and hook onto safe lifting point on load (refer to rigging guide is necessary)
* Raise cable until tight
* Lift load to safe height (as low as possible)
* Without standing beneath load, unlock swing and manually guide load to safe unloading zone.
* Re-lock swing. Slowly lower load to ground
* Remove hook or rigging

**Post Setup:**

* Remove pin on lift arm and lower back to travel position
* Replace pin and safety clip
* Unlock swing and rotate crane to travel position. Re-lock swing
* Place lifting hook on ring at base of crane and tighten cable until snug (do not over-tighten)

**Summary:**

* Always set vehicle emergency brake before beginning crane operations
* Keep objects and personnel clear of crane path during operation
* Keep load as close to ground as possible
* Crane and hook inspections should be done on a regular basis
* Do not try to lift more than 200lbs.

|  |  |  |
| --- | --- | --- |
| Date written: 2010-Mar-30  Revision Date |  | Written by: Riley St. Luke  Manager’s Approval: John Elliot |