

## **PURPOSE:**

The purpose of this best practice is to address the auger cast rigging needs for rebar cages and when needed, installation of center bars as well. There have been a substantial numbers of near miss incidents and several injuries while working with rebar cages and center bars. Handling them presents a unique set of hazards which must be planned for prior to beginning work.

## **PROCESS:**

### **Installation of Cages - (Gloves Must Be Worn at All Times)**

1. Inspect cage for proper tying of bands to vertical bars.
2. Inspect rigging (endless sling or 2-ply nylon sling)
3. Choke sling around one vertical bar and band simultaneously. Choose either the third or fourth band from the top of the cage
4. Move up either one or two bands above the one that is currently hooked and make a half- hitch around that band and the same vertical bar with the sling.
5. Repeat this installation 180° from the first sling, on the same end of cage.
6. Hook the slings to either the load line on the crane or the safety hook on the track hoe and lift over the freshly installed pile. Remove the tagline and remove the rigging once the cage is lowered into the concrete.

### **Installation of Centerbar**

1. Inspect Rigging for wear. (Use either of the slings mentioned above)
2. Approximately four feet from the top of the center bar, choke the sling around the bar
3. Extend the sling approximately 1 to 1-1/2 feet above this and make a half hitch around the center bar
4. Hook the sling to the load line on the crane and lift over the freshly installed pile
5. Center the bar over the pile and lower into the pile.
6. After lowering to the proper elevation, secure the bar and remove the rigging.

## **PAYOFF:**

The payoff of following the best practice for handling and rigging cages for auger cast includes:


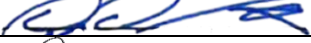
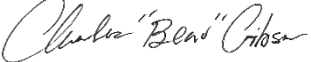
1. **Enhanced Safety:** By adhering to the above guidelines, the risk of near misses and injuries while handling rebar cages and center bars is significantly reduced.

2. **Improved Efficiency:** Proper inspection and rigging procedures ensure that the installation process is carried out smoothly and efficiently, minimizing delays caused by equipment failure or accidents.

**Crew Review:**

**Superintendent:** Instruct the crew to use their phones to scan one of the QR codes below, which will direct them to a short review session. After personnel enter their information and submit it, training records will be generated and automatically saved for future reference. Utilize this time for open engagement with the crew. Each review will have different questions, which can be answered either as a team or individually.



Approvals		
<u>Title</u>	<u>Signature</u>	<u>Date</u>
BU 15 Vice President		7-18-24
BU 15 Senior Construction Manager		7-18-24
BU15 Manager of Safety		7-18-24

Revision History				
<u>Rev #</u>	<u>Date</u>	<u>Reason for Changes</u>	<u>Originator</u>	<u>Effective Date</u>
1	06-26-2024	Update to new format/ add QR training codes	Lance Bradley	7-18-24

**Note: BP Requirement**

*Work must be performed in accordance with the information in this BP. If it is determined that work cannot be done as required in the document or that it presents additional risk, you must obtain authorization for variance from the Business Unit Sr. Construction Manager and Business Unit Manager of Safety.*