

Milling Operation Guide

The milling operation consist of grinding the existing roadway using a skid steer milling machine and then cleaning up the area and loading the debris into a dump truck.

The procedure for this operation will be as follows

1. The foreman will evaluate the area where work is to take place, identify vehicle and pedestrian exposures, overhead hazards.
2. The foreman will conduct a job safety briefing, pointing out and documenting any hazards that are specific to the site.
3. The crew will set up work area protection
4. The super will check for code 753 mark outs and then mark out the area to be milled in spray paint
5. The operator will unload the milling machine and commence grinding the area. See below.
6. The operator who is operating the backhoe will then clean the millings up and load them into the truck. See below.
7. **A spotter or flag person is required to assist the movement of machinery and large mobile equipment (backhoe, excavator, dump trucks) when moving in and out of the work zone.**

Employee responsibilities:

- A) The crew will make sure they have all safety equipment, personal protective equipment (hardhat, reflective safety vest, safety eye glasses, steel toe work boots and gloves) men working signs, and sufficient cones and cone bars for the days work before leaving the yard.
- B) The entire crew is responsible to set up, evaluate and maintain the proper work area protection at all times. If at any time anyone on the crew feels like the work area is not being protected correctly or that one of their coworkers whether it is a laborer or operator is not maintaining focus on their task it is their right and responsibility to stop work from continuing until the situation is corrected.
- C) The foreman will observe the work area to ensure that it is being set up correctly.
- D) All operators and drivers will perform a pre-inspection on the “Whip Around App” prior to operating that equipment for the day.

For the milling portion

Spotter responsibilities:

The milling spotter will spot/flag for the operator as he removes the machine from the trailer and then observe the milling machine to make sure it stays within the area marked out by the foreman, does not damage the curb and does not strike any castings while milling. Then spot/flag for operator as he returns the machine to the trailer.

The spotter will maintain a safe distance from the machine at all times and use visual signals to communicate with the operator. The spotter as well as all other employees in the work zone will continuously evaluate the work zone and make adjustments as the work progresses.

Operator responsibilities:

The milling machine operator will unload the machine from the trailer maintaining visual contact and communication with the spotter. The operator will make sure the spotter and other laborers in the work zone maintain situational awareness and keep a safe distance from the machine they are operating. They will mill the marked out area and then return the machine to the trailer.

For the clean-up portion

Operator Responsibilities:

The backhoe operator will ensure he has a clear line of sight to his spotter and that his spotter is in their proper position. The operator will then use the back bucket/blade to gather the milling's into a pile. Then the backhoe operator will turn around and use the front loader bucket to pick up the milling's and load them on the dump truck. The operator will make sure the spotter and other laborers in the work zone maintain situational awareness and keep a safe distance from the backhoe. They will keep visual contact with their spotter and remain in communication at all times.

Spotter responsibilities:

The backhoe spotter will ensure that they and the operator have a clear line of sight of each other and are able to properly communicate with each other. The spotter will observe the backhoe operator as he gathers the millings. After the backhoe operator is done using the front bucket to clean up the millings and is completely stopped the spotter will shovel the remainder of the millings into the front bucket. The spotter will then guide the dump truck into the work area or guide the backhoe over to the dump truck and spot/flag for the backhoe while he loads the truck. The spotter will maintain a safe distance from the machine at all times and use visual signals to communicate with the operator. The spotter and other employees in the work zone will continuously evaluate the work zone and make adjustments as the work progresses.