

Existing Operation Equipment (i.e. cage roller, pipe machine, fork lift, etc.)

48" Core Insert Maintenance Rack

Description

NCP has 48" dry cast manhole core forms that have a removable insert that are used to pour manhole structures with cast in place steps. Because of the nature of the material used to create the product (concrete is dirty and gets in everything), mechanical items need constant maintenance to function properly. Working on the step mechanisms inside the core was cumbersome and working on the inserts on the floor caused employees to constantly bend and move the insert multiple times.

Project Initiation

The NCP team needed a safe way to maintain the core insert. Previous method of working on the insert would put the core insert laying on the ground or installed in core causing employees to work in a tight space and climb in and out of the core.

While performing maintenance to one of the mechanisms, an employee got his finger pinched. Maintenance knew that there needed to be a change before someone got hurt and to make the insert easier to work on.

Project Benefits

The core insert rack allows employees to remove the core section and place it on a maintenance rack for ease of making repairs. The time needed to perform maintenance tasks has decreased by 50 percent. Employees no longer are at risk of smacking a knuckle working in a cramped space, and the risk of sprains and strains are gone because employees can use power tools and or breaker bars to assist with repairs. The maintenance rack also removes the risk of falls because employees no longer need to climb in and out of the cores.

