



Tool and Equipment

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Prepared by Transportation Planning
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Cinder Bed Light



Description and Benefit

This innovation is a light that goes on cinder beds. These spreader lights originally come on the truck and are mounted underneath the chute on the bed. The problem with the location is that during the summer months these lights are damaged from pull pavers and chip spreaders. The lights either get broken or the wires get pulled out almost every year, forcing us to replace the lights when the winter months come around. We have moved the light to the leg of the cinder bed. The light is mounted in a position that will illuminate the ground and can be seen in the driver's mirror. The wire for the light was ran along with the hydraulic hoses that go to the cinder bed. Next to the hydraulic hook up on the side of the truck is where the trailer plug was mounted. By having the plug next to the hydraulic hoses, we can ensure that the light is unplugged when the cinder bed is removed from the truck. The plug also has a cover that protects the connectors when it's not in use.

We will not have to crawl under the rear of the trucks every winter to replace damaged or broken lights, so it will be a time and cost savings. With the plug next to the hydraulic hose connections, unhooking everything from the cinder bed is all in one spot and efficient. This innovation will improve safety because if the driver wishes, they can install additional lights for better visibility in the rear of the truck. Additional lights can all be wired to use one plug that would be next to the hydraulic hoses. If these lights are damaged, they are safer and easier to repair and clean.

For More Information Contact

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Materials List with Cost

Materials

- Trailer Light plug, Part Number bkp755-1517
- Wire, Part Number bel785750
- 4 in LED Light

Cost

- Plug-\$15.99 from NAPA
- Wire- 25 ft roll \$16.14 from NAPA
- 4 in LED light \$43.90 from Transelectric