

WORK ZONE SET UP TRUCK

Newark, Ohio

Contact:

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Problem Statement:

Our Street Department maintains several miles of four-lane State Route 16. This maintenance often requires closing one lane for patching, storm sewer cleaning, sweeping, etc. We needed a vehicle that would have all traffic signs and cones in a handy location and be easy to deploy and collect afterwards.

Discussion of Solution:

We used a Ford F-250 pickup truck that had a rusted-out bed. We removed the bed and built a flat bed with compartments for all of the traffic control items. The truck now carries 100 cones and sixteen different signs. Six-inch plastic pipe holds 3' x 3' plastic signs, and the sign brackets are also carried onboard. The rear deck allows the cones to be set or picked up, and the seat can be mounted on either side of the rear deck. The bed has a walkway up the middle so that workers can reach the cones or signs from the inside or outside of the bed.

The seat described above has been equipped with a seat belt for safety purposes.

Labor, Equipment, & Materials Used:

A Street Department mechanic and employees cut out the two-inch square tubing, 1 ½" angle iron, and sheet steel and welded the unit together. Six-inch plastic sewer pipe was mounted to hold collapsible signs. The seat is from an old asphalt paver that was sold.

Cost:

The pickup truck is a 1995 model, retired from everyday use. The cost of the steel material is approximately \$1000, and the cost of the pipe is approximately \$100.

Labor cost was not documented.

Savings & Benefits:

The small truck is more versatile and efficient than a large truck. It also eliminates the need for a separate trailer to haul these items. The traffic control items are deployed and collected faster, keeping traffic disruptions to a minimum on this State Route. It can also be deployed quickly in emergency situations.