

## Sign Maintenance Safety Platform



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### PROBLEM

Our Street Department sign truck was up for replacement. This truck used a mechanic's utility box, which made it difficult to load and unload traffic control devices because of the high sides. In addition, the staff would stand on top of the toolboxes to reach school-zone control cabinets and install high signs, such as street name signs.

### SOLUTION

When we started thinking about our new replacement truck, we asked for input from all our staff on how we could improve our operations. Our new design allows one side of the truck bed to fold down for easier loading of traffic control devices. We added a work platform with safety bar to increase safety while working at heights. The toolbox we selected offers better organization of tools and sign parts such as brackets, bolts, etc. We also built steps onto the back to access the truck bed safely.

### MATERIAL COSTS

We received our new truck with just the flat bed installed at the beginning of last winter. It took all winter to fabricate, as we were busy with snow removal operations. Most of the staff helped with the cutting, welding, and painting. The flat bed and toolboxes came with the truck purchase. Our additional cost for the custom rack/folding safety platform and paint was just over \$600.

### COST

\$600

### BENEFITS

While we never had any accidents with staff falling off the old truck from standing on the toolbox, we felt that safety should be our number one focus with our platform design. We wanted the safety bar to be a simple design, so staff would readily use.

### PHOTOS

The attached pictures show our old sign truck, our conceptual design, fabrication, and staff using the platform to install signs.



