

## Shouldering Corner Box



### Description and Benefit

This corner box sets in the left rear corner of the bed on a twin-screw dump truck. It is designed to filter road rock to the right side of the bed when unloading. We designed this corner box to place rock on the shoulder only and not on the pavement. The corner box can be used to filter rock on to the shoulder where the shoulder is lower than the pavement or where there are edge ruts that you are trying to fill. Using this corner box to place rock on shoulders simplifies the procedure by potentially eliminating the use a motor grader to scrape the rock off the pavement or using a shouldering box on a dump truck. It can eliminate the need for a power broom to clean up the pavement and can also eliminate the possibility of the motor grader scraping the top seal off pavement.

### For More Information Contact

#### Northwest District/Maintenance

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## Instructions

Step 1. Build #2 using the square tubing and a welder.

Step 2. Place #2 on the plastic and trace around it leaving 2 inches extra on the side with the slope. Cut around what you traced leaving the extra 2 inches attached.

Step 3. Build #3 using the square tubing and a welder.

Step 4. Weld #3 to the top of #2.

Step 5. Build #4 using the square tubing and a welder.

Step 6. Weld #4 to the second bar from the bottom of #2. The frame should be complete at this point with the exception of #5 which will come later. Pick up frame from the front and find where it is most balanced. Weld D-ring in place where it is balanced.

Step 7. Measure bedside of truck to mark plastic for the indentation in the bed. Measure to the center of indentation and mark it at the edge of your plastic. Place the tip of the two straight sides of a speed square at the mark and trace back two inches on each side. It should look like the tip of an arrow once marked. Use a straight edge to mark from each side of the arrow to the edge of the plastic and shave off the extra two inches leaving only the 2 inch arrow.

Step 8. use self tapping screws to secure plastic cut out to metal frame.

Step 9. Weld #5 to #3 in such a way that it hooks over the bed side when box is in place and rests against the back of the bed in front of the tailgate pins. This piece will ensure the corner box will not slide back when the tail gate is open and rock is being dumped.

Step 10. Weld your short piece of chain to the bottom of #5 making sure you have enough chain to lock into your top tailgate chain hook. This piece of chain will ensure the corner box will not slide forward during travel while empty.

Step 11. Optional. Cover #3 with leftover plastic to ensure no rock gets behind the corner box while loading truck bed with rock.

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### Parts list.

one 4'x8' sheet of 3/8" plastic  
48' of inch square tubing 1/8" thick  
At least 2' of new 3/8" chain  
one weld on D-ring  
One package of 1" self tapping screws

### Cost.

\$113.00  
\$60.00  
\$8.65  
\$9.95  
\$8.40