Road sweeper William Maher -k00280370

Aim of project

The aim of the project is to design and make a fully functional road sweeper

Back ground

I would like to do this project as we have a lot of concert yards at home and we usual must wash the yard off with the power washer and it takes a lot of time to do.

Before the start of the fabrication process it was important to carry out some research in order to make the best product possible. There are a lot of factors to consider such as cost time and resources available. These factors had al large impact on the



Objective

The main objective of this project is to design and make a fully functional road sweeper.

The road sweeper will be built with heavy steel and easy access to the brushes for washing and maintenance.

The cost is a big play in the overall project as I am building the project you are looking for the correct process and materials as the project will be built to be strong

Parts

- Hood for the sweeper
- Two sides
- Two arms
- Hydraulic motor
- Shaft
- Brushes
- Bearings
- Stands
- Steel

For my design I took measurements off a plant mec road sweeper

I also down a drawing of my project on solid works

The steel was provided and folded by a local engineering company. This made it very easy to communicate if there was any problems as they as i would have know them for a long time





Plant mec road sweeper

Design



Photos of the project through out the process

Conclusion

For my conclusion I think the project is going well so far.

There is a few things I would have liked to change in my design but other than that all going well.



Picture of project so far

