

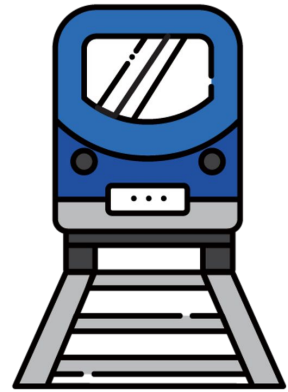
# Track-A-Thon Innovation



1

# Rail crossing is very important.

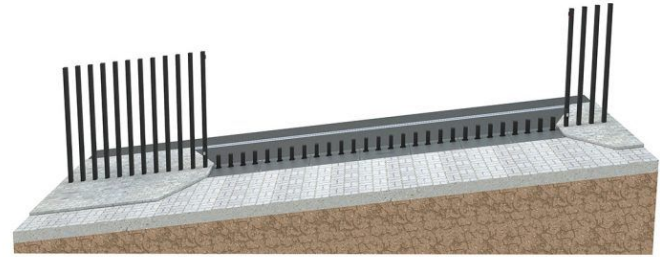
According to the U.S. Department of Transportation and the Federal Railroad Administration, 94% of deaths or injuries happen at railroad crossings. The sad thing is that these unfortunate events are very much preventable and we could all play a part in bringing that percentage down by practicing the safety guidelines and making a habit of following them. But alongside that we can also better help avoid dangers by trying new innovations and replacing them with the current ones that are not showing good results.



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## Innovation Idea

★ My idea on preventing car accidents occurring on railroads in urban areas is to build gates that would rise up and come out of the ground 1 minute before the train passes.



★ I believe that we should replace the slow bar gates that cars could easily pass through before they fully close with these much faster uprising metal gates.

# Ground Gates

Imagine this:  
But next to railroads

The part of the tracks that are on  
the road would be in between  
these gates.



### 3

## Why Ground Gates??

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- ★ These ground gates are perfect for preventing cars that are quickly trying to get past the gates while they are closing and before they completely close. With these gates rising from the ground they won't have a chance in doing that.
- ★ Another thing about these gates is that they will have sensors that can immediately alert or contact the emergency if there's ever a need to.
- ★ For example let's say a vehicle is stuck on the tracks of the gates, the sensor will sense that there is something stopping them from rising up so it will give off some kind of signal, and the person there will have the choice of letting it contact 911 or not.

