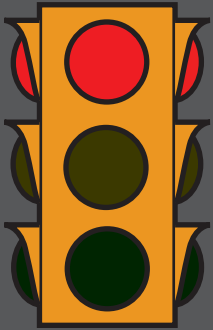


Crosswalk Signal Controller Redesign

Chanhong Min

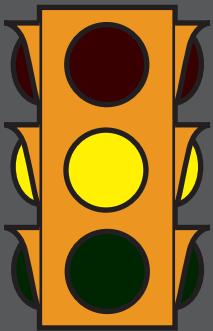
Problems with the current design



- Difficult to locate the controller.
- Impossible to know if the system is activated or not.
- Hard to know when the walking signal will come on.

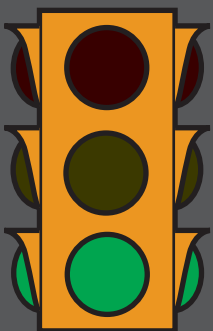
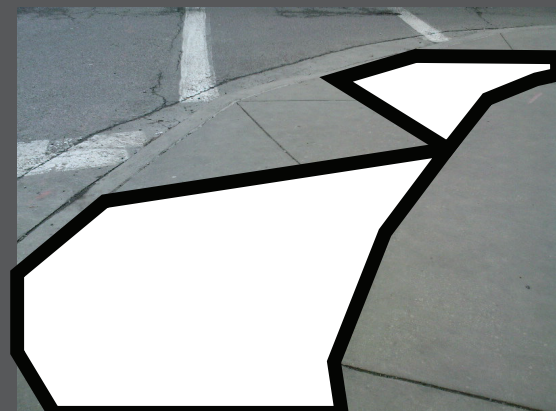


Redesign



The mat:

The mat replaces the push button. The mat detects the weight on it. Now users can stand on the mat to reserve the next available time for crosswalk. When users stand on it, the border lines of them light up to let them know that something has been activated.



The countdown display:

The countdown display is placed on top of the walking and stopping signals. The display is off when no one is standing on the mat. As soon as a person steps on the mat, a number will be displayed showing the time remaining until the next walking signal. When the walking signal comes on, the number goes up and start counting down again and this time the number mean the time until the stop signal is on.

