ALGORITHM FOR OUR PEDESTRAIN CROSSING

**HANDOUT #5**

**THE ALGORITHM/LOGIC**

When someone press the button

There will be a 10 seconds delay before the pedestrian can cross

After the 10 seconds delay, the red light will go off

And the green light will come on

Give pedestrian 10 seconds normal walk time, followed by a time running out alert

Time running out alert is:

Run the TM1637 Counter from 9 to 0

Blink the green light 9 times

Blink the buzzer 9 times also

Each blink is 1 seconds long

This will add up to 9 seconds

After which green light goes off

Red light comes on