`Pedestrian Crossing Traffic Lights with Push Button Switch & Click.

`Pat McMahon Original-8/10/2009 with 8M, 8M-1-15A, Redone 23/2/2022 with 14M2.

`HOW IT WORKS

`The lights on approach are on red at the crossing, until the push button switch is pushed.

`The lights,turn yellow, then green flashing 10 times to cross with audible Beep for sight impared.

`and then revert back to red.

`Note- This program now uses the Picaxe 14M2 PCB hardware.

`symbol Red=0 `Sets Red LED to output0

`symbol Yellow=1 `Sets Yellow LED to output1

`symbol Green=2 `Sets Green LED to output2

`symbol switch= pinC.0 `Sets switch button to input C.0

`Note switch is attached to + , other end to input C.0

main:

pause **1000** `wait 1 second

`Is the switch pressed?

ready:

if pinC.0= **0** then goto Red `If not pressed,continue red

if pinC.0= **1** then goto Yellow `If pressed, go to yellow

goto ready `Repeats

Red:

pause **100**

high **0** `Red LED on

low **1** `Yellow LED off

low **2** `Green LED off

pause **500** `waits 0.5 seconds

goto ready `Repeats

Yellow:

Pause **100**

low **0** `Red LED off

high **1** `Yellow LED on

low **2** `Green LED off

pause **3000** `pauses for 3 seconds

low **1** `Yellow LED off

Green:

Pause **100**

let b1=**0**`sets b1 to 0 (You must do this oterwise the 2nd push won't work properly)

do `start s Do loop

high **2** `Turns on Green LED

pause **300** `pauses 300 milliseconds

low **2** `Turns off Green LED

pause **300** `pauses 300 milliseconds

inc b1 `Incriments b1

loop while b1<**10** `Loops until reaches 10

goto main `Goto main