

TRAFFIC MANAGEMENT SYSTEM

PROGRAM:

```
import time

# Define traffic light states
class TrafficLight:
{
    RED = 0
    YELLOW = 1
    GREEN = 2
}
# Function to control the traffic light
def control_traffic_light():
{
    state = TrafficLight.RED
    while True:
    {
        if state == TrafficLight.RED:
        {
            print("Red Light")
            time.sleep(5)
            state = TrafficLight.GREEN
        }
        elif state == TrafficLight.GREEN:
        {
            print("Green Light")
            time.sleep(5)
            state = TrafficLight.YELLOW
        }
    }
}
```

```

elif state == TrafficLight.YELLOW:
{
    print("Yellow Light")
    time.sleep(2)
}
state = TrafficLight.RED
{
    if __name__ == "__main__":
        control_traffic_light()
    }
}

```

BLOCK DIAGRAM:

