Your Signal Does What?! The Hybrid Pedestrian Interval

Presented By: Dave Roseman, T.E.
The Problem

What if you were designing a traffic signal for an intersection with two very different peaks?? **One for vehicles and another for pedestrians?**
The Intersection
The Data

Peak Traffic Volumes
4 - 6 pm
2,500 vehicles

Peak Pedestrian Activity
8 pm - 2 am
2,700 pedestrians
The Objective

> Improve pedestrian safety, but **DON’T** hurt traffic flow during peak periods

So what should we do when there are more people than cars?
Could a traditional “Pedestrian Scramble” work?

NO
Time to get innovative!
What if we could program the traffic signal to serve the vehicular peak then “morph” its operation to serve pedestrian peak?
Introducing

The Hybrid Pedestrian Interval
What Is It?

Part-time Exclusive Pedestrian Interval
How It Works

- Activated only during peak pedestrian activity
- Turned-off during rush hour

The Hybrid Pedestrian Interval meets the objectives ….. But is it possible?
YES!

We Can Do It!

WAR PRODUCTION CO-ORDINATING COMMITTEE

POST FEB 19 TO FEB 24
Rush Hour
Why shouldn’t **ALL** traffic signals “morph” their operation to accommodate the demands of **ALL** roadway users?
THEY SHOULD!

Opportunities:

- Universities
- Sports Venues
- Parks
- Entertainment Districts
- Downtowns
THANK YOU!