



EMPOWER | INNOVATION | CHAMPIONS 2014 INNOVATION FAIR

DIVISION OF TRAFFIC OPERATIONS

ROUTE 35 (Sloat Boulevard) – City of San Francisco

ROADWAY DIET

Increases pedestrian safety by shortening their crossing distance and decreasing their exposure to traffic.



PRE-ROADWAY DIET CONFIGURATION



POST-ROADWAY DIET CONFIGURATION



POST-ROADWAY DIET CONFIGURATION



POST-ROADWAY DIET CONFIGURATION

SIDEWALK BULB OUTS

Increases pedestrian safety by making them more conspicuous to motorists while waiting to cross the highway.



SW CORNER OF FOREST VIEW/VALE



SE CORNER OF FOREST VIEW/VALE



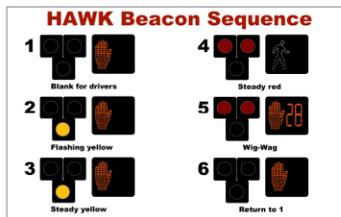
NW CORNER OF FOREST VIEW/VALE



WEST MEDIA OF FOREST

HIGH INTENSITY ACTIVATED CROSSWALK BEACON

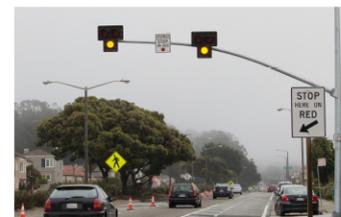
Increases pedestrian safety by providing a protected phase for pedestrians to cross the highway.



HAWK BEACON SEQUENCE



"BLANK" HAWK



"FLASHING/STEADY YELLOW" HAWK



"STEADY RED" HAWK



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DIVISION OF TRAFFIC OPERATIONS

Deputy District Director: Sean Nozzari

Number of Division Employees: 279

Contact Persons: Ramiel Gutierrez & Einar Acuna

CONSTRUCT ROADWAY DIET AND INSTALL HAWK PEDESTRIAN SIGNAL

Location:

In the City of San Francisco, on Route 35 (Sloat Boulevard), from Everglade Drive (PM 2.4) to Route 1 (19th Avenue) (PM 3.2).

Problem:

How to increase the safety of pedestrians who are crossing in the marked crosswalks at the unsignalized intersections on Route 35 (Sloat Boulevard), between Everglade Drive and Route 1 (19th Avenue). As traffic signal warrants are not satisfied at any of the unsignalized intersections, traffic signals cannot be placed.

Solution:

- 1) Restripe Route 35 (Sloat Boulevard), between Everglade Drive and Route 1 (19th Avenue), from six lanes to four lanes to reduce pedestrian exposure to vehicular traffic by shortening their crossing distance.
- 2) Install the enhanced striping and signing package at the intersections to direct motorists to stop 20 feet in advance of the marked crosswalk when yielding to pedestrians who are crossing at the intersection.
- 3) Construct a bulb-out at each corner to make pedestrians more conspicuous to motorists, and install a HAWK (High-Intensity Activated Crosswalk) Beacon that, once activated, will give pedestrians a protected crossing phase at the Sloat Boulevard/Vale Avenue/Forest View Drive intersection.

Benefits

- Reduced pedestrian exposure to vehicular traffic
- Greater off-set distance between vehicles and pedestrians crossing
- Bulb-outs enable pedestrians to become more conspicuous to motorists
- HAWK beacon manufactures a protected crossing phase for pedestrians



New lane configuration along Route 35 (Sloat Blvd)



EB Route 35 (Sloat Blvd) traffic stopped for "steady red" light on HAWK at Forest View/Vale intersection as prepares to cross. Bulb-out shown on SE corner of intersection.

