## Stand by:

The future is coming...

## Energizing Main Street



## Sponsors:

New Hampshire Main Street Program
Dover Main Street Program

## September, 2003

Dan Burden, Walkable Communities, Inc.


## Consider curb extensions the norm...



## ... not something you add to a street



## What would the street look like

 without on-street parking?

Now think of parking as the bonus!


Tada! Look like curb extensions...




Abacoa Downtown




## Victoria, British Columbia




San Francisco, California












## Road

 DHets







# Intersertions 




## Mountain View，California




Speeds dropped from low 30s to $15-20 \mathrm{mph}$ Older people came back Disabled came back Store occupancy rate $100 \%$

## Venice, Florida 1990





# ROUndationts 

## Narrow Streets / Wide Nodes



4 lane road


2 lane road



## Cotati, California: <br> Old Redwood Highway looking north



Gridley, California: State Highway 99 looking north


## Example

 Roundabout
## Benefits:

Injuries redued 90\% $30 \%$ more traffic capacity Gateway entry Pedestrian friendly Speeds controlled Reduced noise Reduced pollution Reduced maintenance Business friendly



Modesto-Roundabout
Laloma and "G" Streets
20,000 vehicles per day



Roundabouts work in Snow Country

# (1) P-: 

## (1) Pa(DATB






















## Median Curb Extension




For more than forty years, while suburban outer rings have been built we have failed to develop guidance for crossings midblock. Signals on busy roads are rarely placed at frequencies greater than $1 / 2$ mile. This leaves the engineer with little to go on. Fortunatly, today many communities are learning the skills to place effective crossings on two-lane and some multi-lane roadways. One or two features are used for 2-lane roads, while 4 or more devices, including signals in sime locations,

## Mid Elock Applications

## Needed on long blocks

## School locations

## Trail crossings

## Effective on curves

Many tools

## Harder to fit

Personal property issues


KALEIOPUU ELEMENTARY SCHOOL

MEDIAN CROSSING WITH CURB EXTENSIONS




## Intersections And Midblock Crossings

feometibs

## ONE EXCELLENT INTERSECTION (Dan's Version)






## Level of Service F

## Level of Service

B










## Level of Service F

## Level of Service

B



## RIGHT-TURN SLIP LANE DESIGN



High speed, low visibility of pedestrians, a real head turner


Vehicle speeds 14 to 18 mph , good visibility of pedestrians

## RIGHT-TURN SLIP LANE

Cut through medians and islands for pedestrians






## Compact Intersections

# Tration <br> Duerations 

## Stop Bar Meets Standards, But Too Close




Stop Bar pulled back. Breaks Guidelines




## iolludinolis

## Cotati, California: <br> Old Redwood Highway looking north



Gridley, California: State Highway 99 looking north








Roundabouts work in Snow Country



## Before



## After

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