Doolen/Fruitvale Dodge/Flower

Healthy Neighborhoods Planning and Design Process

July 27, 2011





DRACHMAN INSTITUTE: MISSION STATEMENT

The Drachman Institute is a research and public service unit of the College of Architecture and Landscape Architecture at the University of Arizona dedicated to the environmentally sensitive and resource-conscious development of neighborhoods and communities.

It is our contention that good quality and innovative design and technology, sensible community planning, and landscape architecture that fosters beautiful and healthy private and public space is the cornerstone of this work.

We engage in a collaborative, research-based outreach enterprise to make our communities healthier, safer, more equitable and more beautiful places to live.



- Communities Putting Prevention to Work is a project funded with stimulus money by the Centers for Disease Control.
- Pima County received this grant to improve community health using policy, systems, and environmental changes.
- We will focus on creating a community environment that encourages healthy eating and active living, a lifestyle that protects us from obesity, diabetes, heart disease, cancer and other health issues.



- Create safe communities that support physical activity.
 - Enhance safety in areas where people are or could be physically active
 - Improve access to outdoor recreational facilities
 - Enhance infrastructure supporting walking and bicycling
- Promote the availability of affordable and healthy fruits and vegetables.
 - Increase the availability of healthier choices

Planning & Design Process

Identify opportunities

- Identify concerns
- 3. Gather ideas
- 4. Look at some ideas
- Develop an overall concept plan
- Decide upon and implement action project(s)

DOOLEN/FRUITVALE NEIGHBORHOOD

DODGE/FLOWER NEIGHBORHOOD



- 72 members of the Doolen/Fruitvale and Dodge/Flower communities participated
- 100% were conducted in English
- The survey was conducted through door knocking, community events and email distribution throughout January, February and March of 2011

What do you like MOST about your neighborhood?

- The people/neighbors (26%)
- Location/convenience (26%)
- Quiet/peacefulness (10%)
- Sense of Community (6%)

Other responses: Streets; lots; houses; schools; butterfly garden; parks

Do you currently walk or bike in, or through, your neighborhood?

• Yes : 74%

Most common walking or biking destinations:

- Walk the dog : 45%
- Grocery store : 36%
- A walk : 32%
- Convenience store : 29%
- Bus stop : 28%
- Neighbor's/friend's house : 28%
- A park : 25%

Does your neighborhood or local school have any public recreational facilities?

- Yes : 13%
- No (unaware of recreation facilities): 17%
- Unsure : 60%

Nearby schools accessible to the public:

- Blenman Elementary
- Catalina High Magnet School
- Doolen Middle School
- Boys & Girls Club Frank and Edith Morton Clubhouse

What types of facilities would you like to see available at Doolen Middle School?

Top 5 community concerns:

- Threatening situations (drugs, crime violence, gangs): 29%
- Police and public safety : 15%
- Litter : 13%
- Lack of community engagement : 13%
- Home ownership/rental : 6%

Other issues expressed: poverty, rental conditions, unemployment, lighting, traffic speed, sidewalks, unsupervised kids, air quality, stray dogs

Top 6 desired improvements

• Walking paths/sidewalks : 43%

More trees : 43%

• Parks : 31%

More police : 31%

• Playgrounds : 28%

• Crosswalks : 19%



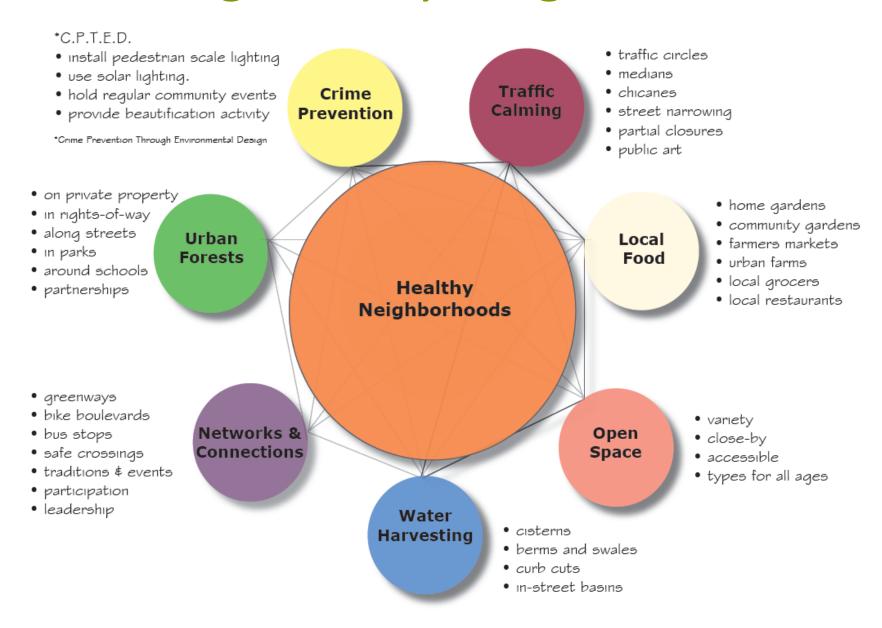


Goals for Healthy Neighborhoods

- Create safe communities that support physical activity.
- Promote the availability of affordable and healthy fruits and vegetables.



Building Healthy Neighborhoods



Urban Forests

Provide many benefits including:

- Shade for pedestrians and bicyclists
- A cooler recreational environment for residents





Water Harvesting

- Helps solve drainage problems
- Saves money on water bills
- Allows native plants to thrive creating a more comfortable urban environment
- Can form the basis for neighborhood greenways supporting recreation and social interaction.



Water Harvesting Methods





Curb cuts

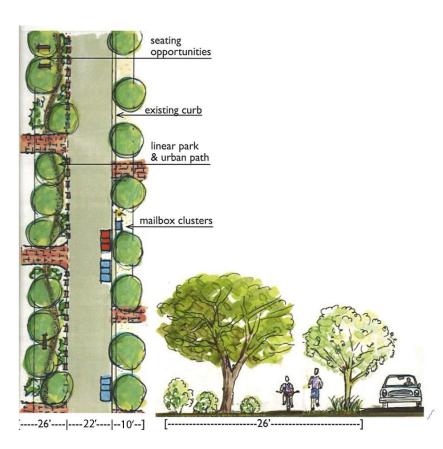
Berms and swales



Networks and Connections

- Greenways (linear corridors)
 - Neighborhood streets
 - Drainage ways





Networks and Connections

- Bicycle Boulevards
 - low-volume, low-speed streets that have been optimized for bicycle travel
- Street crossings
- Bus stops







CPTED Crime Prevention Through Environmental Design

Four principles of design

- Express ownership
- Allow natural surveillance
- Control Access
- Support positive activities









CPTED Crime Prevention Through Environmental Design



Community activities



Pedestrian scale lighting



Walking group

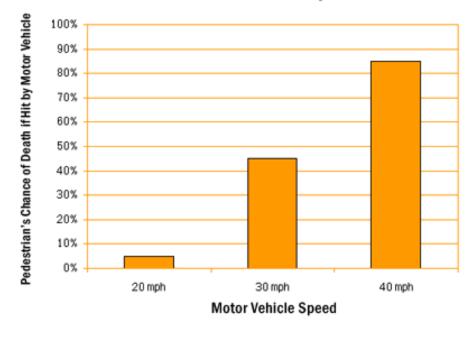


Community activities

Traffic Calming

- Improves safety
- Enhances sense of community
- Encourages walking and biking

Pedestrian Fatalities Based on Speed of Vehicle



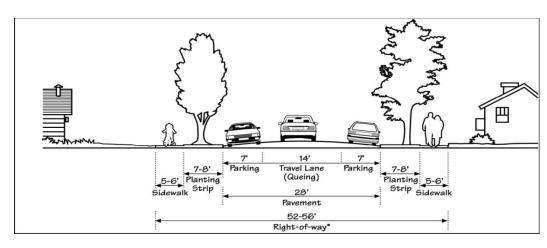
Traffic Calming Skinny Streets



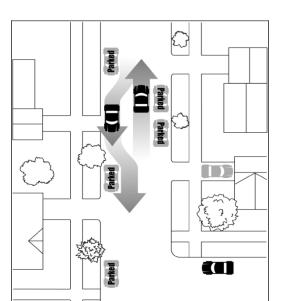


A skinny street in Portland

A typical residential street in Tucson



A 28 ft street with parking both sides



Traffic Calming Methods



Traffic circle



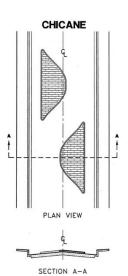
Speed tables also serve as crosswalks



Median in Civano



Chicanes in Rincon Heights



Local Food

- Community Gardens
 - Provide a local outlet for recreation, exercise and social connections
 - Are a source of fresh, nutritious, inexpensive food



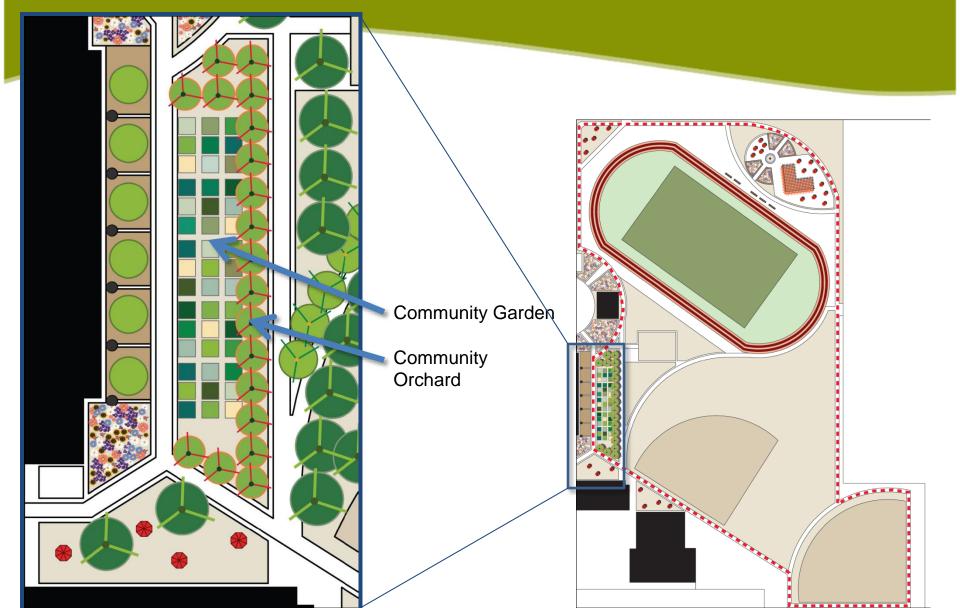
Local Food

- Local Food Producers
 - Healthy alternatives to fast food creating small business opportunities food
- Farmer's Markets
 - Are an outlet for local and regional growers
 - Provide fresh, healthy,
 food to neighborhoods

Saint Philips Farmer's Market, Tucson, AZ



Local Food Proposed Schoolyard Design



Open Space

- Supports recreation
- Supports leisure
- Supports social interaction
- Spaces for all ages and abilities





Open Space (Types of)

- community garden
- community orchard
- flower garden
- playgrounds
- exercise loops
- exercise circuit
- basketball court
- ball field





Open Space (Types of)

- shrine or memorial
- rest node
- bus stop
- neighborhood gateway
- healing/meditative space
- dog park
- walking trail
- pocket park





Meeting Goals

- Identify neighborhood opportunities on map & as notes
- Identify neighborhood concerns on map & as notes
- Discuss ideas for CPPW projects
- Focus on possible projects participants, materials, locations

Post-Meeting Goals

- Develop a Doolen/Fruitvale Dodge/Flower neighborhood master plan concentrates on healthy neighborhood guidelines
- Develop a project timeline and plan

Top 6 desired improvements

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X

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