

Reasons for shoulders?

- **Safety:** Vehicle recovery zone; accommodate driver error; space for evasive maneuvers; clearance for avoiding crossing peds & bikes; space for disabled vehicles, . . .
- **Capacity:** Easier exiting from travel lanes to side streets; greater effective turning radius for trucks; space for mail delivery & bus stops, . . .
- **Maintenance:** Structural support to lane edge; storm water discharge is further from lane; space for maintenance operations & signs, snow storage, & painting of fog lines.

Michael Ronkin: 22 reasons for paved shoulders

Penitas



San Carlos



Lane re-alignments

- 5 or 4 lanes reduced to 3, “road diets.”

- Reduces collisions & severity.
- Improves performance for pedestrians, bikes.



Urbana, IL; before & after.

1a. Create inter- & intra-town trail networks.

Long distance trails may be an attraction for visitors . . .



Boone, NC



Elizabeth, WV

. . . but local links are the key to everyday use.

Lessons from trail studies

(E.g. Mar. 2008 *Planning* magazine)

Most trail users with:

- **Links to network**; streets, sidewalks, bike lanes.
- Trail alignment is **close to destinations** (shops, restaurants, libraries, civic institutions).
- Trail is **integral to community life**, not an escape from it.



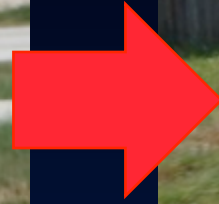
Kingsport,
TN
Greenbelt



www.activelivingresearch.org

www.markfenton.com

Weslaco





**Do you have
'network' goals?
How can this
influence your
network goals?
(Or, why not?)**

2. Drive maximum investment into existing or new towns, village centers.

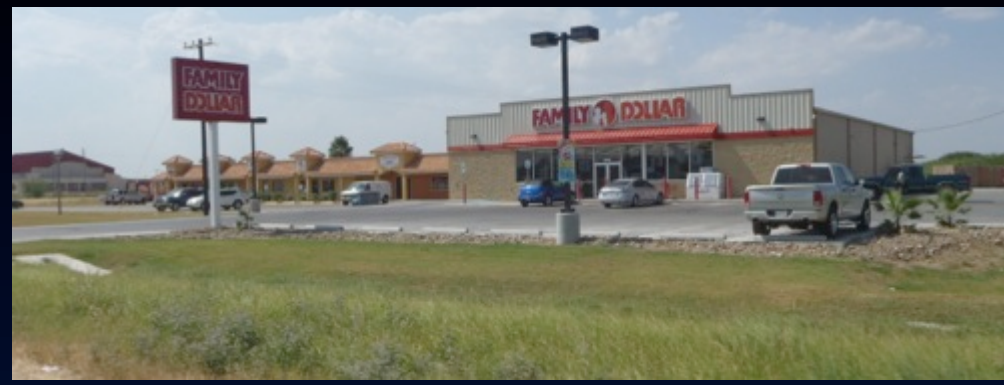
- Direct development downtown or as close & connected as possible.
- Calm the traffic, make it inviting.
- Rotating loans for facades, street furnishings, enhancements.



Bar Harbor

Morganton, NC





Penitas



Economic Development in Rural Communities

www.epa.gov/smartgrowth



Putting
Smart Growth
to Work
in Rural Communities



- Support the rural landscape
 - Working lands, resource areas, & natural lands.
- Help existing places, downtowns thrive
 - Infrastructure, transport
- Create great new places
 - Designate growth areas



Think long and hard before letting your anchors leave town for undeveloped land!

San Carlos



Post office

Be sure to calculate the long term *transportation* costs of any location.

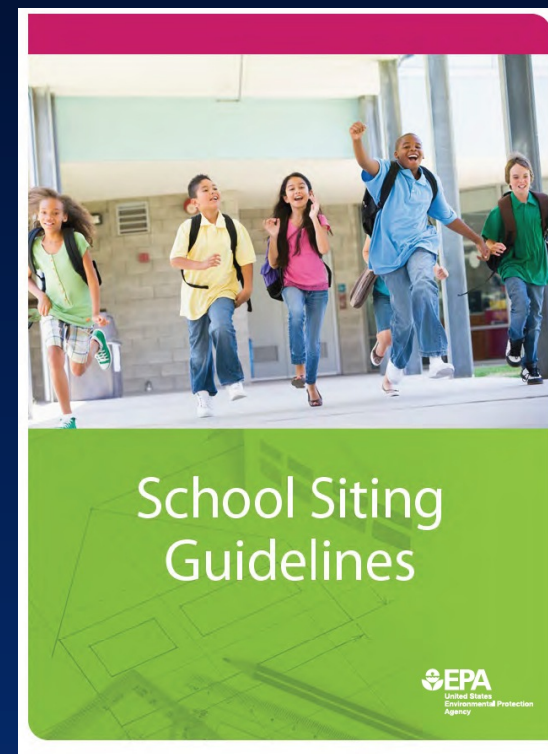
EPA School Siting Guidelines.

- A comprehensive approach to school site decisions.
- Broad look at health & environmental impacts.
- Assist with new vs. rebuild decisions.

www.epa.gov/schools/siting



McAllen



www.markfenton.com

2a. Protect farmland and open space



- Farmland trusts and agricultural preserves.
- Purchase & protect open space.
- Create, agree on, and enforce growth & development boundaries.
- Transfer/purchase of development rights (define sending & receiving areas).

Transfer of Development Rights



realtor.org/field-guides/field-guide-to-transfer-of-development-rights-tdrs

2b. Don't create “suburban” subdivisions.

E.g. Subdivision rules & regulations define details: roadways, sidewalks, open space, connectivity.





More guidelines to mimic a village-style grid.



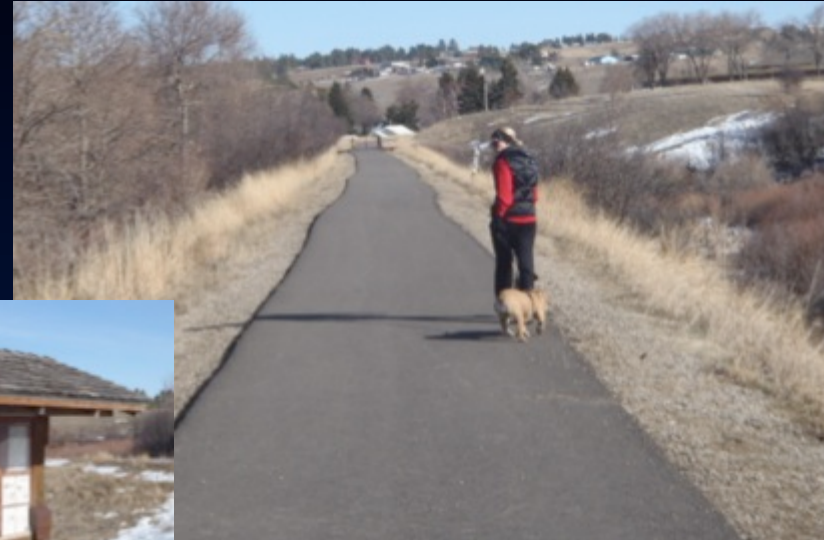
Bluffton, SC

Alleys lead to 'big wheel' sidewalks.

www.markfenton.com

Parks & trails are critical assets for physical activity:

- Access & availability.
- Safety.
- Social norms.
- Facilities.
- Programming.
- Maintenance & operations.



Lewistown, MT



Access & Availability:

- Nearby: 1/4 to 1 mile?
Neighborhood vs.
consolidated parks.
- Pedestrian, bicycle,
transit access.
- Open gates, fences.
- Joint use agreements
to cover costs, liability
concerns (schools,
churches, etc.)



Escondido, CA

Social norms:

- Use by friends, neighbors increased likelihood of park use.
- “Scary” people, dogs can constrain use.
- Perceived safety matters (trash, graffiti).
- CPTED partners: Crime Prevention through Environmental Design.



Solar powered call box, American River Tr.



Facilities

Will affect who will use & how actively.



Trails



Gen'l Fields



Playgrounds



Baseball



Golf

More users,
more active



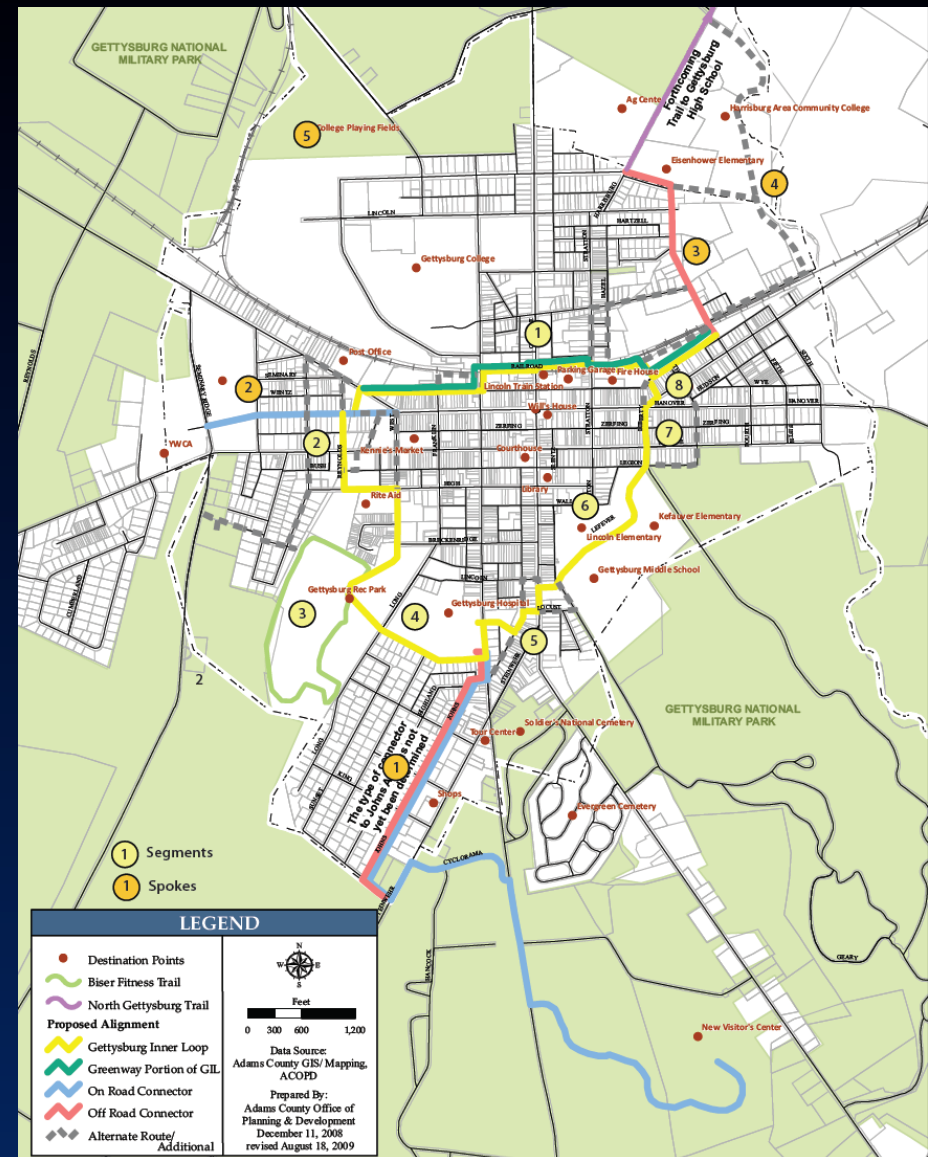
Maintenance & operations.

- Failing infrastructure will undermine use.
- Successful facilities have detailed maintenance & operation plans.
- Friends of the park, corporate donations, buy-a-bench, adopt-a-spot.



Fund it up front?

- E.g. Gettysburg, PA Trail Plan cost estimate included capital construction *and* a maintenance endowment. >



Foundation controlled?

Resources: www.activelivingresearch.org

- **E.g. *Parks & Recreation in Underserved Areas: A Public Health Perspective*. National Recreation & Parks Association.**



Parks & recreation are central to active transportation benefits.

www.nrpa.org

- Economic stimulus thru business & job growth, & real estate values.
- Routine physical activity.
- Environmental quality.
- Equity thru transport access to all ages, abilities, & incomes.



Active Transportation and
Parks and Recreation



National Recreation
and Park Association

www.markfenton.com



Safe Routes to Parks:
Improving Access to Parks through Walkability



National Recreation
and Park Association

Key SRTP elements:
www.nrpa.org

- **Comfort (network)**
- **Convenience (location)**
- **Safety**
- **Access & design**
- **The Park itself (facilities & programs)**

**Are you making any effort
around healthier, more
connected land use?**

3. Healthy community design workshops:

Learn



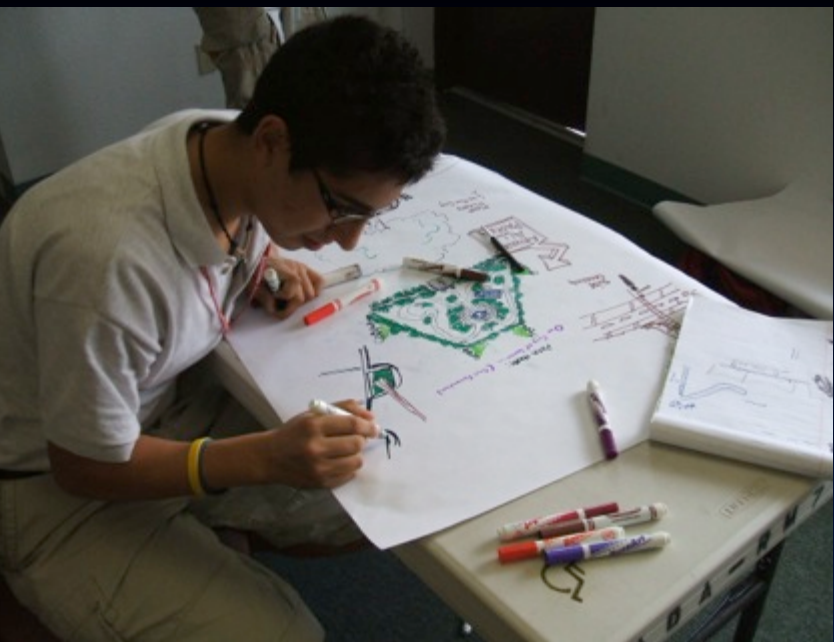
Walk

**Include kids:
not constrained
by what we
"can't do!"**



Plan





**E.g. Anaconda
“pop-up” curb
extension.**



**But can the
biggest truck
make the turn?**

E.g. Safe Routes to School (SRTS):

- Evaluate: Survey parents & students.
 - How do you travel now?
 - What do you need to walk/bike?
- Engineer, encourage, educate, enforce >
 - Walking school buses
 - Remote drop/pick locations



Nogales, AZ



**Lakeside, CA
Park supports
SRTS w/
uniformed
presence.**



E.g. park programs:

- Not just sports!
- Think about broad range of users. E.g.
 - Older
 - Physical disabilities
 - Overweight
- Skills development >
 - Bike skills; League of American Cyclists
- Safety: Law enforcement

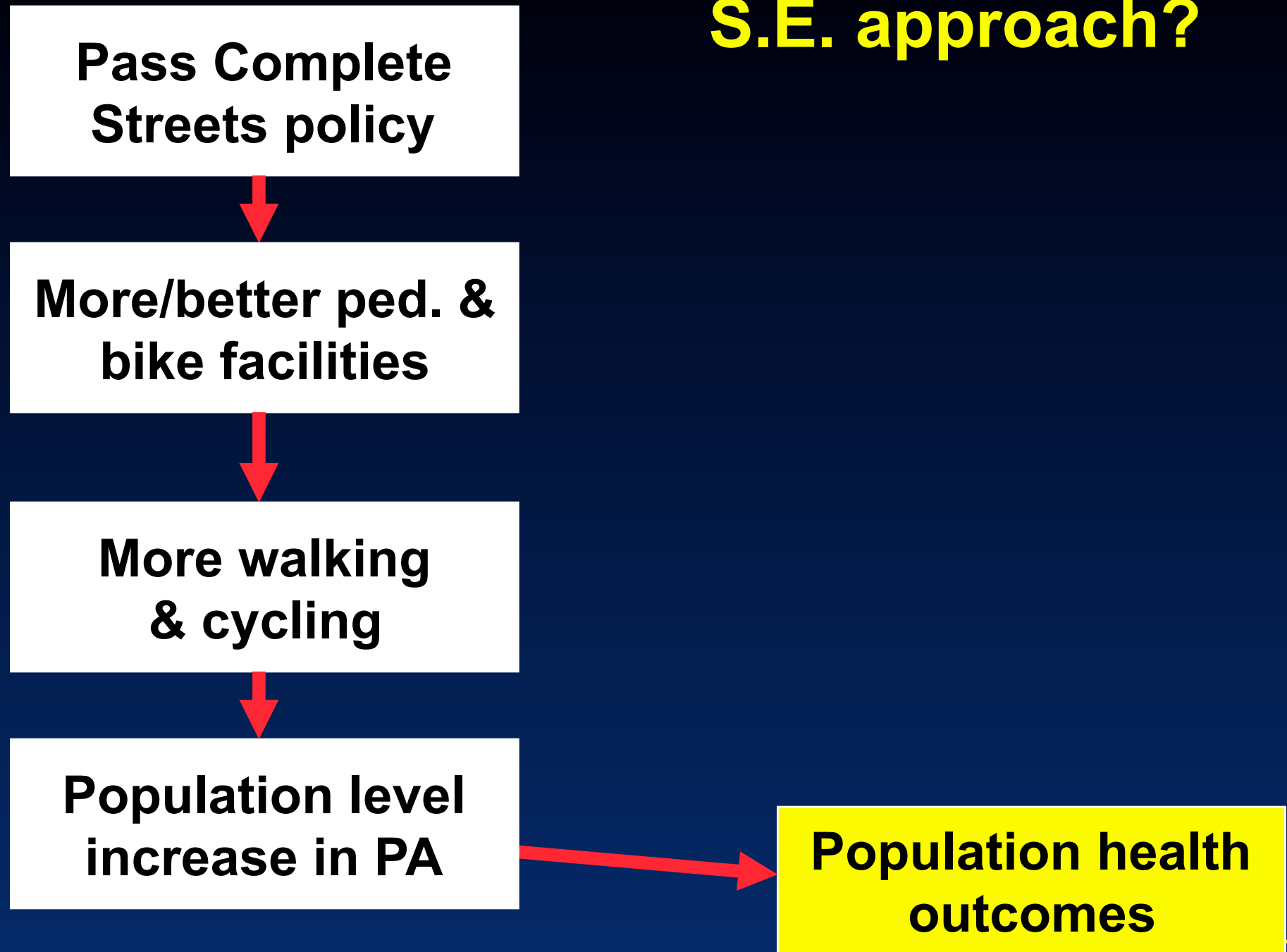


Blue island Bike Club,
www.bibc.us

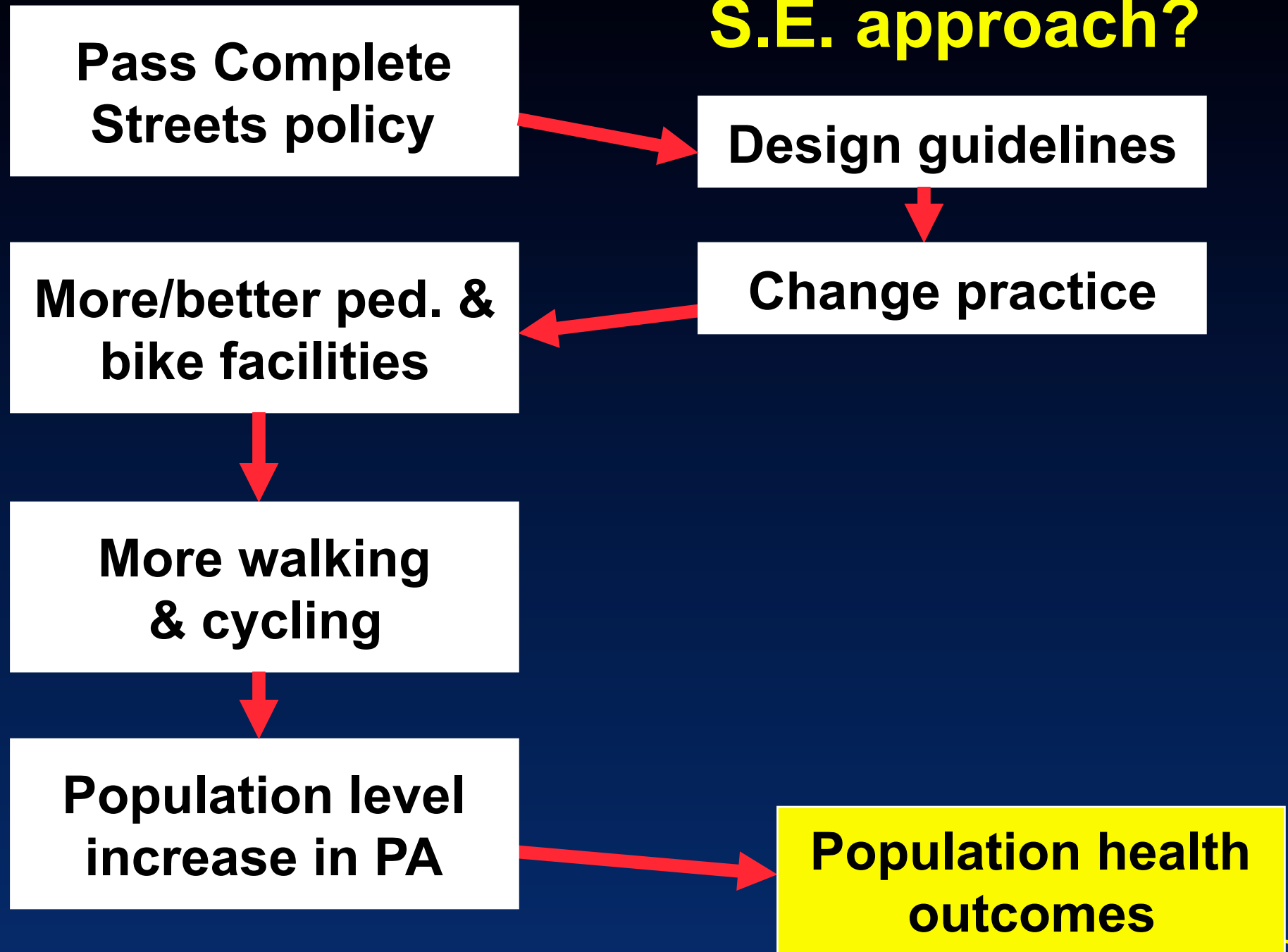


www.markfenton.com

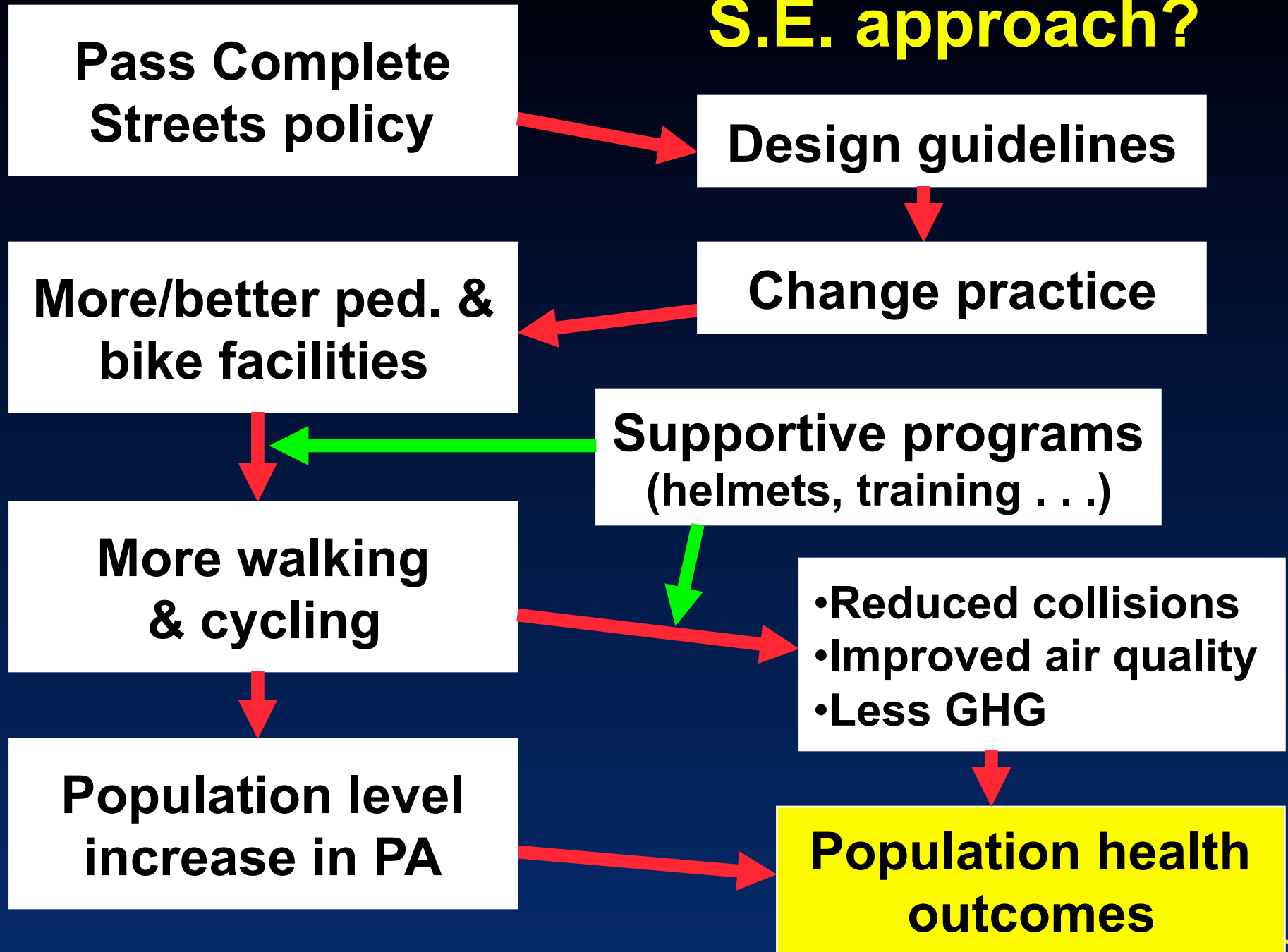
S.E. approach?



S.E. approach?



S.E. approach?



Share four ideas with the group:

- A **first** action step that you feel must be taken in your area.
- A most critical or **high impact** action step; will make the most difference.
- Most **interesting, exciting**, surprising, or even controversial action idea your table discussed.
- **Who** is missing and how you will engage them . . .

No . . .

- **Goal:** Improve the city's sidewalk network.
- Repair sidewalks; build missing sections.

