In the past fifty years transportation planners/engineers have:

- Removed parking for safety
- Removed trees for safety
- Added lanes for safety
- Widened lanes for safety
- Taken out sidewalks for added capacity
- Widened intersections for safety

In the next fifty years transportation planners/engineers will:

- Add parking for safety
- Add trees for safety
- Remove lanes for safety
- Narrow lanes for safety
- Narrow intersections for safety
- Add sidewalks for added capacity

In the past traffic planners and engineers have been seen as villains leading to the decline of cities and quality of life. In the future traffic planners and engineers will be seen as heroes and heroines leading to the rise of cities and quality of life.

"Unlike previous papers, Noland's is not a localized study or one reflecting unusual roadway types. It is specific to collectors, and it applies to all roads of this category throughout the US. Noland states bluntly, 'as more arterial and collector lane widths are increased up to 12 ft or more, traffic fatalities and injuries increase....' These results are quite stunning as it is general practice to 'improve' the safety of roads by increasing lane widths."
161 feet / 3.5 ft/sec = 46 seconds
76 feet / 3.5 ft/sec = 22 seconds
In 22 seconds at 30 mph a motorist travels 968 feet (3.1 football fields).

In 6 seconds at 30 mph a motorist travels 264 feet (.9 football fields).

In 3 seconds at 30 mph a motorist travels 132 feet (.4 football fields).

If the Beatles would have tried to cross this road, rather than Abby Road, would we have been able to hear their music?
Bike lane & wider sidewalk with textured parking bays

median/CTL  11.5’ 11’ 6’ 15’
travel  travel  bike  parking  walking

Mesa, Arizona’s New Main Street – 1948 -2003
Streets are like bodies. Without minimum needs being met they remain unhealthy and incomplete.
Commonwealth, Alexandria, Virginia

Speeds reduced 3-7 mph
Comfortable for All, Now Complete!!!

Red colorized center islands

Mesa, Arizona

Boca Raton, Florida

Chico, CA
Nord Avenue
• 10-foot lanes for slower travel speeds
• Sidewalks separated from travel lane
• On-street parking on one side
• Street Trees and Bike lanes

Neighborhood Residential Street Section
60’ right-of-way
Village Center Street Section

- 70' right-of-way

- Center turn lane alternates with medians
- On-street parking

- Wide sidewalks
- Mid-block crossings

Hurley looking west near Fulton Avenue

Steve Price
Urban Advantage

School Area Street Section

- 64' right-of-way

- 10-foot median allows safe mid-block crossings
- Street trees for shade, slower speeds, and aesthetics

- Wide sidewalks
- Bike lanes
Hurley looking west near Greer Elementary School

Steve Price
Urban Advantage

1. Children cross 115 feet of El Camino without a signal or other means of controlling traffic.
2. Walking at 4 feet per second, children will take 29 seconds to clear the street, once they enter.
3. Motorists would be more than 2,000 feet away when the child enters the street.

El Camino and Millcreek, Sacramento, California

Stop Line (Stop Bar)

Millcreek and West El Camino

Today

1. Children cross 115 feet of El Camino without a signal or other means of controlling traffic.
2. Walking at 4 feet per second, children will take 20 seconds to clear the street, once they enter.
3. Motorists are moving at 50 mph (73 feet each second).
4. Motorists would be more than 3,000 feet away when the child enters the street.
Five Foot Minimum Width Sidewalk

Four Foot Maximum Height Fence

Add Buffer For Shy Distance

Planter and Furniture Zone

Baldwin Park, Orlando, Florida

City of Maui Sidewalk Specifications by Travelway Type and Location

Local Travel Ways
- sidewalks
- streets
- bicycle paths
- trail

Sidewalk
- street
- sidewalk
- cyclic path
- trail

Planters
- medians
- other special use

Special
- transit
- bike paths
- pedestrian
- other special use

Planter Area
- medians
- other special uses

Other Special Uses
- medians
- other special uses

“B”

Baldwin Park, Orlando, Florida

Separated 10-Foot Wide Hard Surface Multi-Use Trail

Foot Path Minimum Height Fence

Five Foot Minimum Width Sidewalk

Add Buffer For Shy Distance

Planter and Furniture Zone

Issaquah Highlands, Issaquah, Washington
Comfortable for All, Now Complete!!!

Speeds reduced 3-7 mph

Commonwealth, Alexandria, Virginia
Motorists prefer two lane roads. Indeed they place medians and edge buffers on 4-lane roads when they get to design them (before snow plows arrive).
10 Foot
Wide Lane

Moves 18,000
vehicles per day

River Street, Santa Cruz