

Complete Streets After Dark

Safe Streets Summit 2016

The Safedesign[™] Institute

Ken Stapleton, President

Why After Dark?

- ❑ 30+% of first/last mile walks happen
 - ❑ 45+% of people feel unsafe walking alone.....
 - ❑ 50+% of commuter trips begin or end
 - ❑ 72% of pedestrian fatalities happen.....
-
- ❑ Last/First Mile is about much more than *distance* for most travelers!
 - ❑ Private Cars are both armor and weapon.

Why don't we walk anymore?



Source: American Community Survey

Safe Streets

Fear of getting hit by a

Traffic safety vs. personal security

BUS



BMW



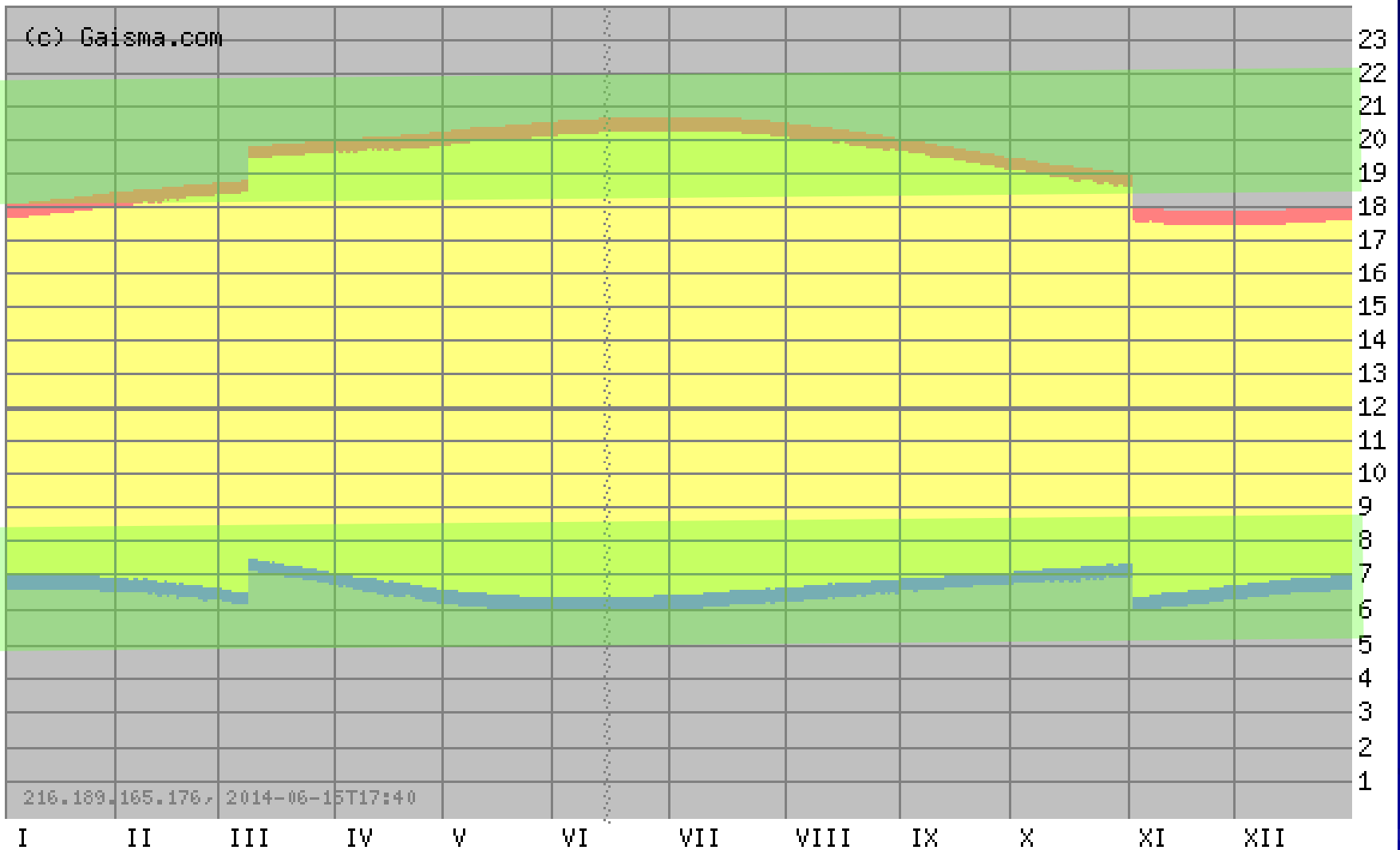
Bully



Bum



(c) Gaisma.com



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I II III IV V VI VII VIII IX X XI XII

Darkness

Dawn

Sunshine

Dusk

Notes: [How to read this graph?](#) [Change preferences.](#)

South Florida Sunlight

Mode Shifts:
Accident Prevention or
Personal Security?

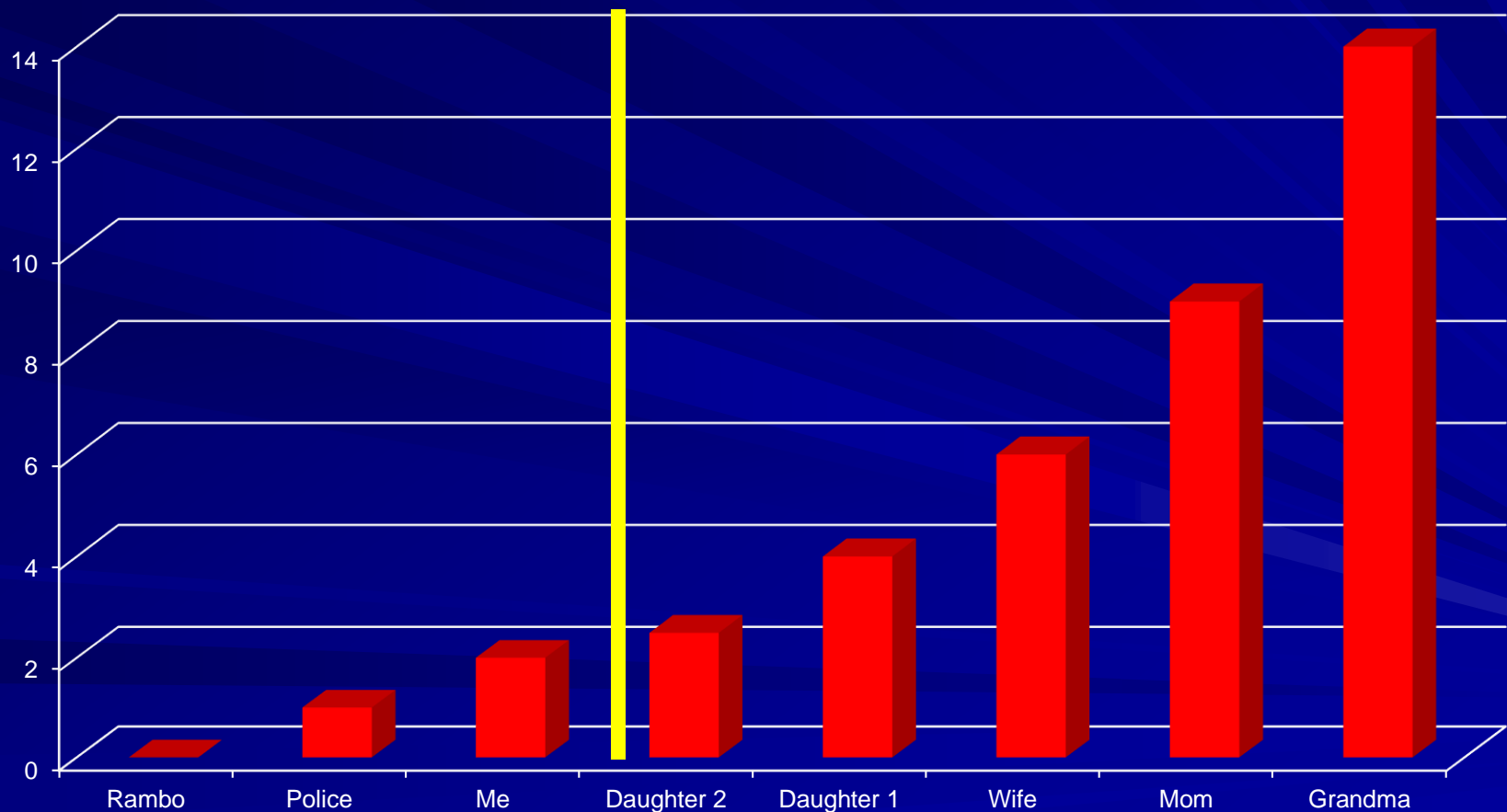
Both!!

Are Threshold Issues

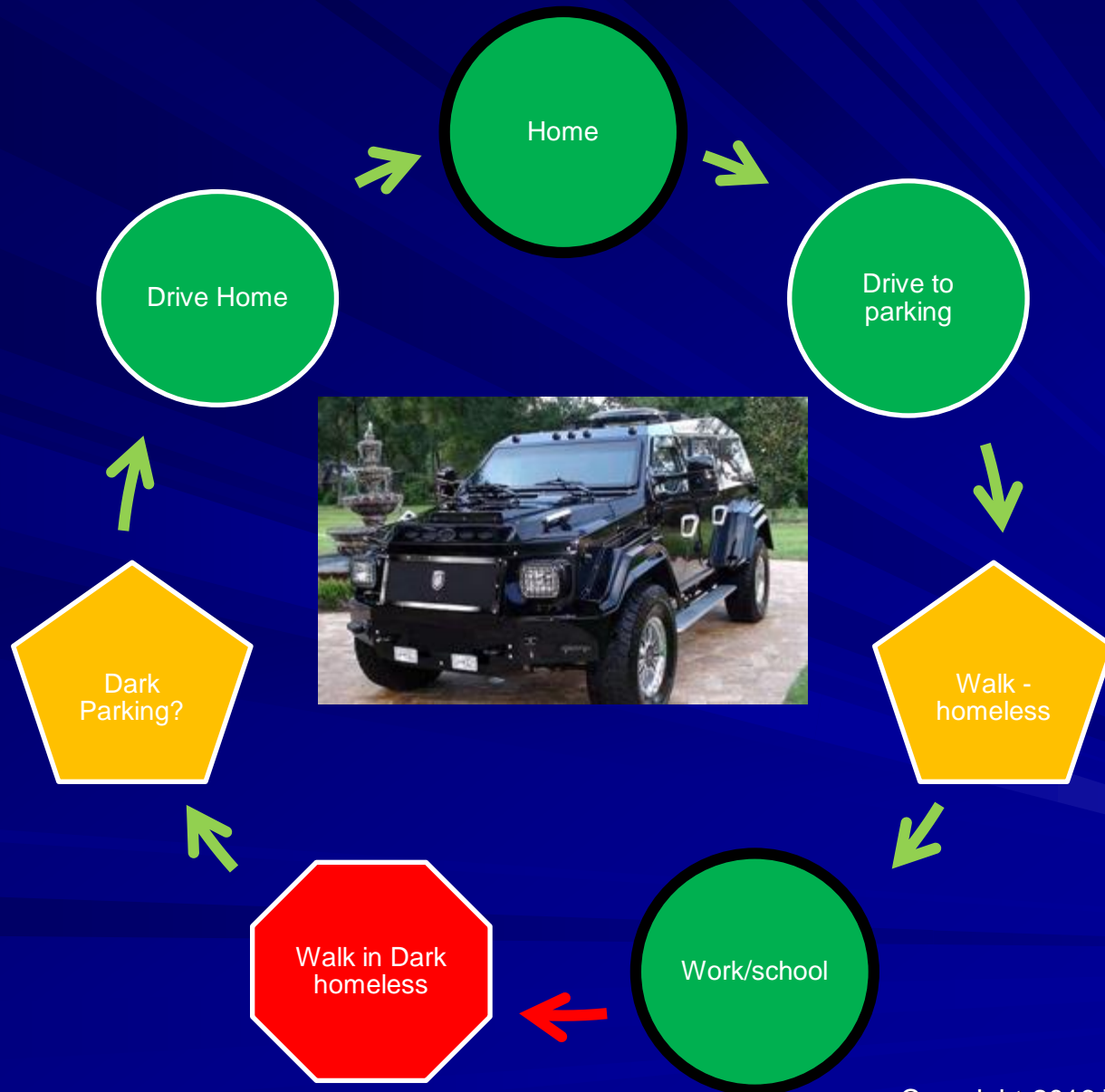
Is the place/path safe enough?

To walk after dark?

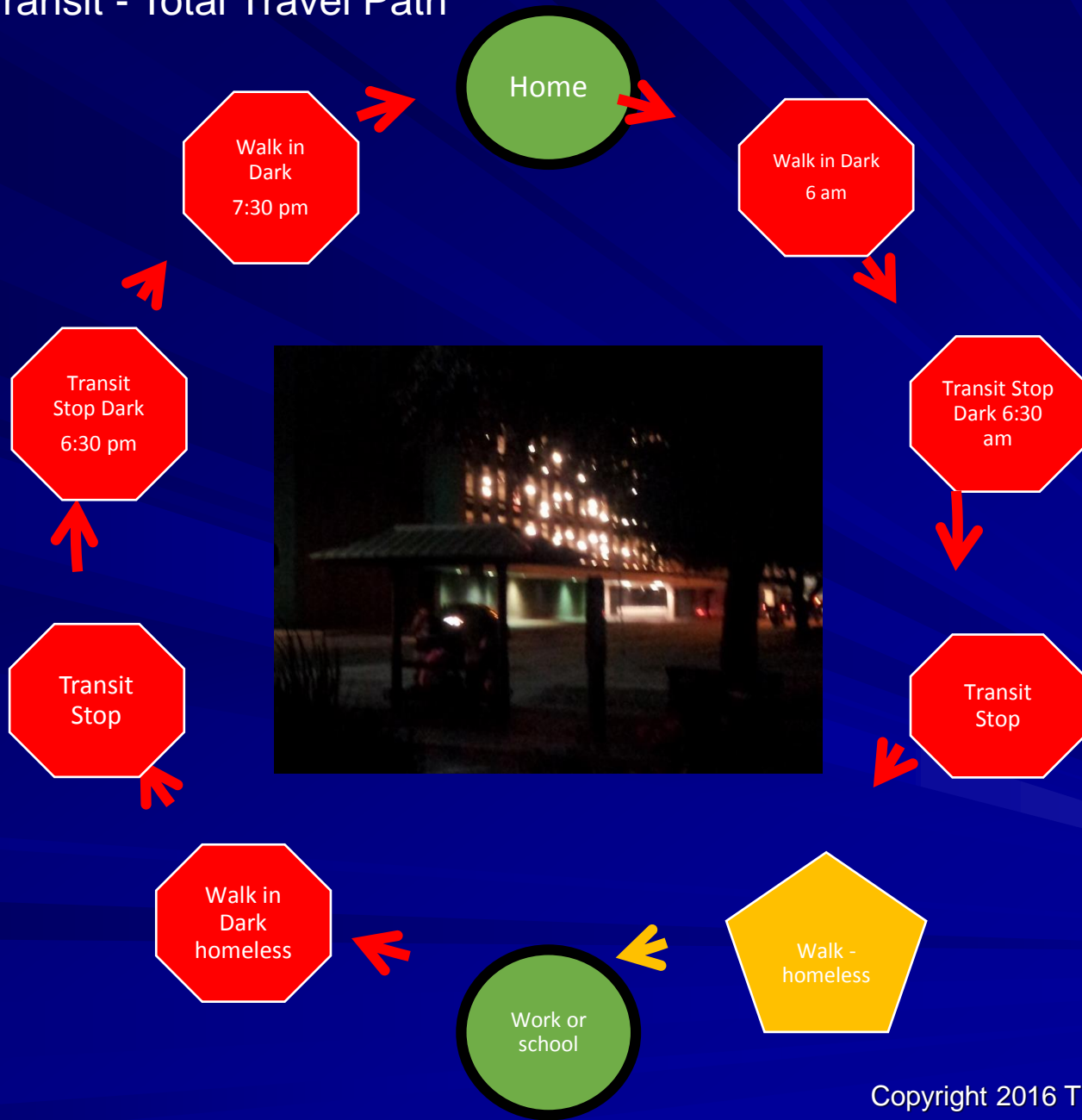
Safety Threshold (15 = no risk tolerance)



Winter - Private Car – Total Travel Path™

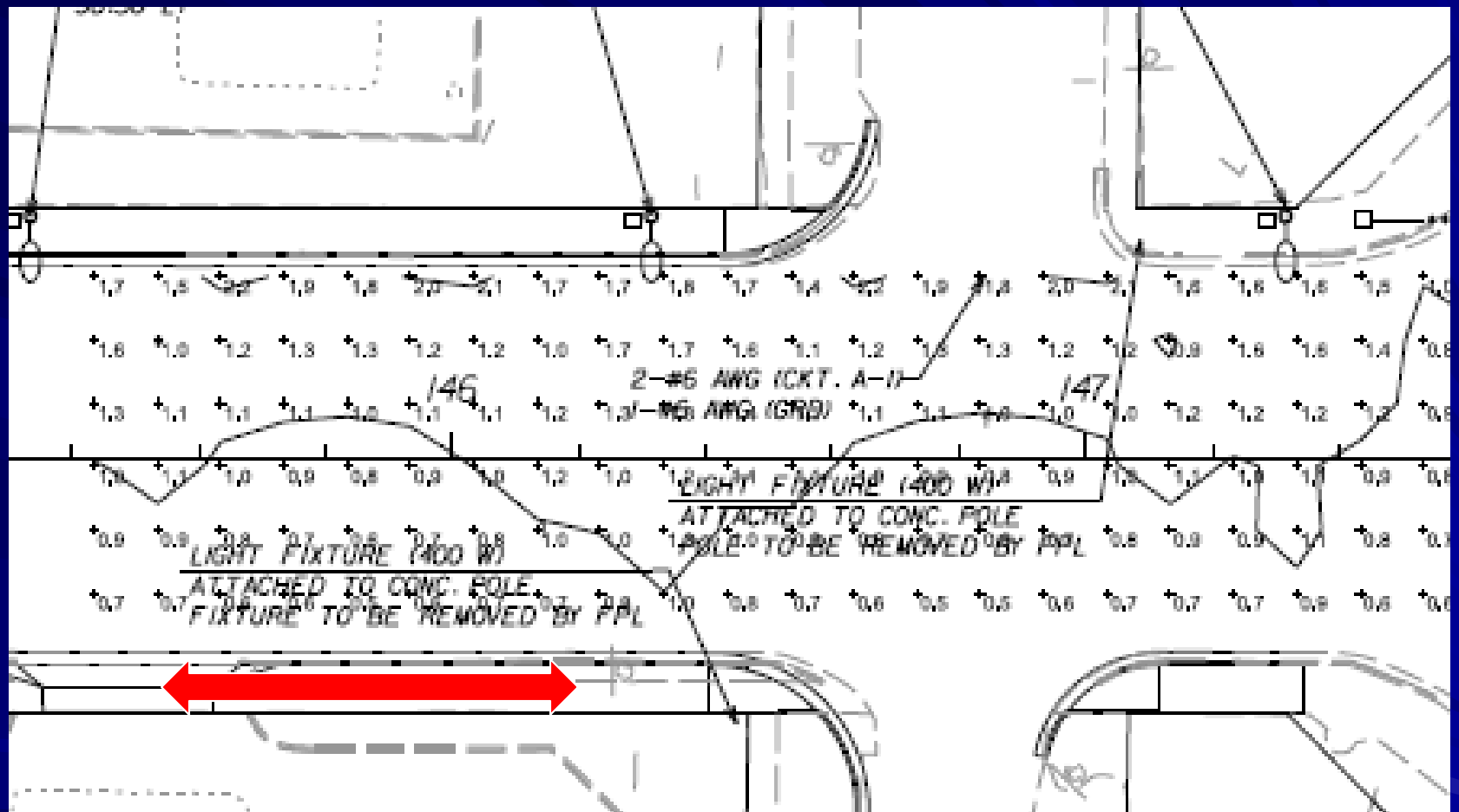


Winter – Transit - Total Travel Path™



We already address this.

Right?



Are dark sidewalks the FDOT standard? NO!

Downtown Miami Bike/Ped Mobility Plan

Worst things about walking in downtown Miami - survey

- 56 responses cited personal security issues
- 60% of respondents male
- 90% of ped counts daytime

Items in plan addressing personal security

- NO lighting discussed
- NO police discussed
- NO transit safety discussed
- NO perceptions strategies
- NO special attention to women's higher fears



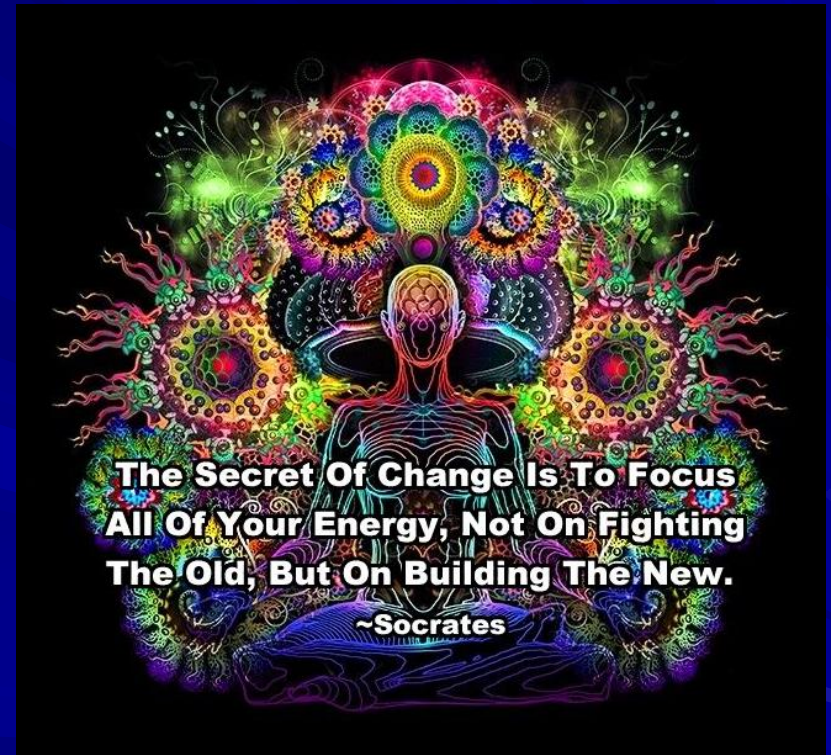
Pedestrian light says walk – everything else say don't walk (here)

Fear, Place/Path Avoidance, & Mode Shifts

Safedesign™

Key new concepts:

- ✓ Safety thresholds
- ✓ After dark design perspective
- ✓ Perception leads to reality
- ✓ Total Travel Path™ Analysis
- ✓ Positive, indirect messaging
- ✓ Unravel feedback – address both accidents and security



The Safedesigntm System

More Than Just Policetm



RBCRA Clean & Safe Action Plan

- APA Award of Excellence
- Wayfinding signage and icons - lighted
- Minimum lighting standards for pathways and parking
- Safe activities in key areas (children, dogs)
- Phased access management
- Innovative metrics



Details Matter

(aka - don't try this at home)

- ❖ Perceptions of safety – how to measure/analyze
- ❖ Lighting standards – how selected and applied;
- ❖ Key pedestrian pathways - selection
- ❖ Land use patterns and design features
- ❖ Transit waiting environments
- ❖ TOD designs
- ❖ Isolated bike pathways
- ❖ MOT plans for after dark
- ❖ Fears of disabled/elderly re: crime
- ❖ Walk score absurdities
- ❖ Territoriality, Access Control, Natural Surveillance
- ❖ Informal Social Interaction
- ❖ Metrics that matter
- ❖ After dark renderings

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