Crime Prevention Through Environmental Design in Designing Safe Paths, Trails, and Greenways

by Randall I. Atlas Ph.D. , AIA, ,CPP Atlas Safety & Security Design Inc. Miami, Florida

Goals

- Increased demand for pedestrian and bicycle facilities
- Increased demand for parks, open spaces, and greenways
- Encouraging pedestrian, bike and mass transportation
- Encouraging preservation of neighborhoods, cultural, historic and natural resources
- Enhancing the visual quality

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Destinations

- Research has indicated that in Greenways 2-10 miles long, users on average prefer 3.5 destinations per trail.
- Destinations should have features and activities
- Destinations should be named
- Destinations should be merged with adjacent resources
- Destinations can be plazas, amenities like bike racks, fountains.



Destinations

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- Parking lots are frequently the first destination encountered.
- Parking lots or trail heads are the 1st opportunity to socialize users.
- Parking lots used as trail destinations are social and gathering settings, and need CPTED features such as lighting, visible emergency phones, good sight lines, etc.

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Destinations

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- Trailheads are the main hot spots associated with Greenways and require extensive CPTED.
- The combination of unattended vehicles, joggers leaving behind valuables while running, lack of natural surveillance, low levels of activity, make trailheads very appealing to criminals.

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Consequences

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- Attractive nuisances
- Attractive magnets of illegal behavior
- Men behaving badly behavior
- Premises Security Negligence

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Designing Safe Trails and Greenways Crime Prevention Thru Environmental Design Creative Design solutions that may be implemented to increase public safety along paths and trails. These design techniques include creating high visibility spaces that clearly define the private and public realm. Based upon 6 design strategies

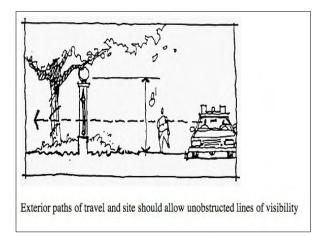


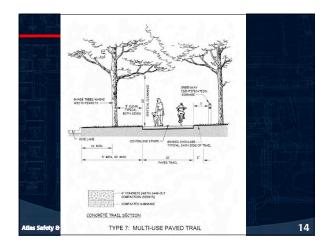
Natural Surveillance

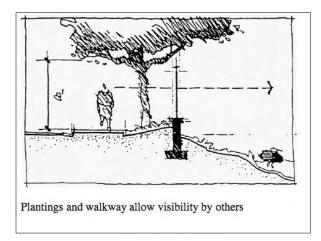
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 Keeping the environment maintained so that people can be easily seen by other users, staff, and anyone who may pass the park, trail or playground.

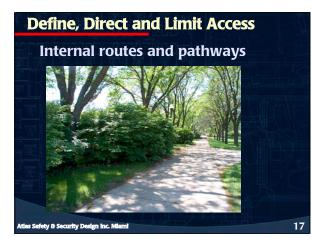
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Territoriality and boundary definition

- Territorial reinforcement is used to distinguish public from private spaces. This can be accomplished by natural or mechanical methods that include signage, flower beds, hedges, fencing.
- The idea is to show that someone owns and cares about this space.

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 Use it or lose it to illegal and unwanted activities.

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Management and maintenance

- Parks and Greenways should only build what they can maintain.
- Without maintenance, a public area is inviting criminal behavior.



Legitimate activity support

- It is important to get a variety of groups in the community to take ownership of the greenway.
- Groups could include joggers, bird clubs, garden clubs, cyclists.
- With Multiple groups there is a risk of conflicts of uses and users.
- Bird club may want dense or wild vegetation; cyclists want clear line of vision for obstacles and pedestrians on the Greenway. Both must have ADA acceptance and compliance.

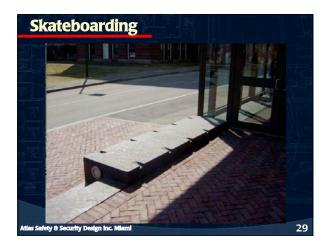
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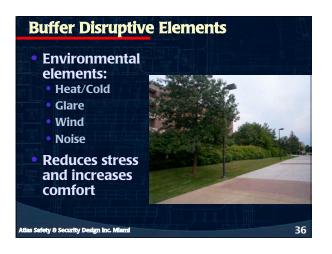












Landscaping Objectives

- 1. Define, direct and limit access
- 2. Separate and define space
- 3. Buffer disruptive elements
- 4. Calm Behaviors

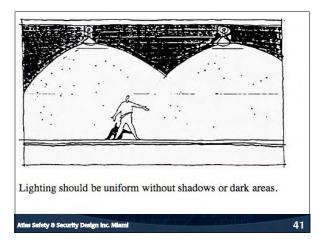


Selection and Planting











CPTED Lighting

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- Enhance lighting to improve natural surveillance and make legitimate users feel safe.
- The more people on the path the safer it becomes.
- Place lighting where it is needed, avoid light pollution.

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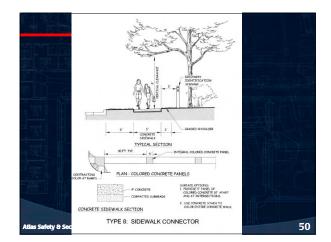
















Implementation

- Include CPTED as an important criteria in **Greenway Guidelines**
- CPTED policies may guide the location, siting, and design and development.
- For more info contact Randy Atlas PhD AIA @ 305-756-5027

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