Conducting a CPTED Site Survey
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President
National Institute of Crime Prevention, Inc.

- Founded the National Institute of Crime Prevention / NICP Inc. in 1999
- 30 year retired Law Enforcement Officer / Specialty CPTED & Crime Prevention
- BA Criminology University of South Florida
- Designed and manage the internationally recognized CPTED Professional Designation (CPD)

- Designed the State of Florida CPTED Professional Designation (FCP) for the Florida Attorney General’s Office
- Past Chair Florida Design Out Crime Association (FLDOCA)
- Member American Planning Association (APA)
- Member ASIS Florida West Coast Chapter 30
Presenter Biography

Mark Schreiber, CPP, CPD
President & Principal Consultant
Safeguards Consulting, Inc.

- 20 Years in Security Industry
- B.S. Electrical Engineering Technology
- ASIS Certified Protection Professional
- NICP CPTED Professional Designation
- Security & Telecommunications SME
- ASIS Council Vice President
- ASIS Assistant Regional Vice President (4B)
- Past Chair of ASIS Critical Infrastructure Working Group & ASIS Security Architecture & Engineering Council, Chapter Chair
- Member of Multiple ASIS Councils
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Proper Context:

 Formal Physical Security Risk Assessments
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Proper Context:

Physical Security Vulnerability Assessments
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Proper Context:

Physical Security Site Surveys
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Proper Context

4.0 Security Specialist Competencies

The subject areas and competencies identified in this section outline the general knowledge, skills, and abilities security specialists responsible for protecting Federal facilities in the U.S. should possess and maintain to perform their basic duties and responsibilities. These competencies comprise a range of security disciplines, including physical, personnel, operations industrial, information, and communications. For security specialists to progress to the full performance level in their specific security disciplines, more in-depth training, experience, and special project assignments must be completed, as appropriate. It is the responsibility of each department and agency to identify and provide any additional site-specific training within the context of its unique mission, policies, operating procedures, and work environment.

4.1 Security and National/Federal Policies and Standards
Proper Context

4.1.4 Crime Prevention through Environmental Design (CPTED)

Security specialists will be able to understand the CPTED principles and how they may be implemented in the design for an effective interior and exterior building environment that reduces fear and deters crime and terrorist activity, to include:

a. Natural surveillance concepts;
b. Territorial reinforcement designs;
c. Natural access control designs; and
d. Facility hardening.
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CPTED is defined as “the proper design and effective use of the built environment that can lead to a reduction in the fear and incidence of crime and an improvement in the quality of life.”
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Elements of a CPTED Site Survey

Primary CPTED Strategies

• Natural Surveillance
• Natural Access Control
• Territorial Reinforcement
• Maintenance
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**Natural Surveillance** - The placement of physical features, activities, and people in a way that maximizes visibility.
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Natural Access Control - People are physically guided through a space by the strategic design of streets, sidewalks, building entrances, and landscaping.
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Territorial Reinforcement - The use of physical attributes that express ownership such as fencing, pavement treatments, signage, and landscaping.
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**Maintenance** - Allows for the continued use of a space for its intended purpose. Serves as an additional expression of ownership. Prevents reduction of visibility from landscaping overgrowth and obstructed or inoperative lighting.
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Elements of a CPTED Site Survey

Supporting CPTED Elements

- Traffic Calming
- Landscaping
- Transition Zones
- Lighting
- Light Trespass / Light Pollution
- Celebrated Entryway

- Focal Points
- Wayfinding
- Pedestrian Scale
- Connectability
- Positive / Negative Activity Generators
- Social Management
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Elements of a CPTED Site Survey

CPTED Survey Components

- Introduction (including address and site photo)
- Disclaimer
- Confidentiality
- Aerial View
- Crime analysis
- Demographics
- Site Analysis
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Introduction with name and address of site

CENTENNIAL OLYMPIC PARK
265 PARK AVE WEST NW
ATLANTA, GEORGIA

CPTED SITE SURVEY

TEAM 2

APRIL 12, 2019

Restricted from Open Records Act pursuant to GA Code 50-18-72 (a) (25) (A)
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Disclaimer

THIS CPTED Site Survey HAS BEEN CONDUCTED AS A SERVICE OF THE CPTED Site Survey TEAM. THE INFORMATION CONTAINED HEREIN IS BASED ON GUIDELINES SET BY THE NATIONAL INSTITUTE OF CRIME PREVENTION AND THE OBSERVATIONS OF THE INDIVIDUAL PERSON CONDUCTING THE SURVEY. THIS SURVEY IS INTENDED TO ASSIST YOU IN IMPROVING THE OVERALL LEVEL OF SECURITY AND SAFETY ONLY. IT IS NOT INTENDED TO IMPLY THE EXISTING SECURITY MEASURES, OR PROPOSED SECURITY MEASURES ARE ABSOLUTE OR PERFECT.

ALL NEW CONSTRUCTION OR RETROFITS SHOULD COMPLY WITH EXISTING BUILDING CODES, ZONING LAWS AND FIRE CODES. PRIOR TO INSTALLATION OR MODIFICATIONS THE PROPER LICENCES AND VARIANCES SHOULD BE OBTAINED AND INSPECTIONS SHOULD BE CONDUCTED BY THE APPROPRIATE AGENCY.
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State Statute / Confidentially

Restricted from Open Records Act pursuant to GA Code 50-18-72 (a) (25) (A)

Records the disclosure of which would compromise security against sabotage or criminal or terrorist acts and the nondisclosure of which is necessary for the protection of life, safety, or public property, which shall be limited to the following:

(i) Security plans and vulnerability assessments for any public utility, technology infrastructure, building, facility, function, or activity in effect at the time of the request for disclosure or pertaining to a plan or assessment in effect at such time;

(ii) Any plan for protection against terrorist or other attacks that depends for its effectiveness in whole or in part upon a lack of general public knowledge of its details;

(iii) Any document relating to the existence, nature, location, or function of security devices designed to protect against terrorist or other attacks that depend for their effectiveness in whole or in part upon a lack of general public knowledge;

(iv) Any plan, blueprint, or other material which if made public could compromise security against sabotage, criminal, or terrorist acts; and

(v) Records of any government sponsored programs concerning training relative to governmental security measures which would identify persons being trained or instructors or would reveal information described in divisions (i) through (iv) of this subparagraph.

(B) In the event of litigation challenging nondisclosure pursuant to this paragraph by an agency of a document covered by this paragraph, the court may review the documents in question in camera and may condition, in writing, any disclosure upon such measures as the court may find to be necessary to protect against endangerment of life, safety, or public property.
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Aerial View

D-1: Central Business District
D-2: Downtown Support District
D-3: Downtown Warehouse/Residential Dist.
PL: Public Lands
PL2: Public Lands Library
RO: Residential Office
TSA-UC-C: Urban Center Transit Station
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1. Appleton Center
2. West side parking garage
3. Trout Museum of Art
4. East side parking garage
5. Vacant Church / Parking
6. Bus stop (NE & NW)
7. Bar/Food (Bazils Pub / Old Time Tavern / Ambassador)
8. Green space (Monument / Houdini Park)
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Day of Week Summary

- Assault
- Burglary
- Disturbing Peace
- Motor Vehicle Theft
- Robbery
- Sex Crime
- Larceny
- Vandalism
- Weapons

Crime Analysis
5 Year
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Crime Analysis
5 Year
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Demographics

Las Vegas Race Data

<table>
<thead>
<tr>
<th>Race</th>
<th>Population</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>391,879</td>
<td>61.92%</td>
</tr>
<tr>
<td>Black or African American</td>
<td>60,724</td>
<td>10.86%</td>
</tr>
<tr>
<td>Some Other Race</td>
<td>68,132</td>
<td>10.76%</td>
</tr>
<tr>
<td>Asian</td>
<td>40,210</td>
<td>6.35%</td>
</tr>
<tr>
<td>Two or More Races</td>
<td>28,404</td>
<td>4.49%</td>
</tr>
<tr>
<td>American Indian and Alaska Native</td>
<td>4,129</td>
<td>0.65%</td>
</tr>
<tr>
<td>Native Hawaiian and Other Pacific Islander</td>
<td>3,611</td>
<td>0.57%</td>
</tr>
</tbody>
</table>

Las Vegas Housing Indicators

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median Number of Rooms (per House)</td>
<td>0.2</td>
</tr>
<tr>
<td>Houses Without Mortgage</td>
<td>30,319</td>
</tr>
<tr>
<td>Houses With Mortgage</td>
<td>81,662</td>
</tr>
<tr>
<td>Vacancy Rate</td>
<td>13.9</td>
</tr>
<tr>
<td>Median Rent</td>
<td>975</td>
</tr>
<tr>
<td>Median Home Value</td>
<td>166,800</td>
</tr>
<tr>
<td>Renter-Occupied Units</td>
<td>102,433</td>
</tr>
<tr>
<td>Owner-Occupied Units</td>
<td>112,161</td>
</tr>
<tr>
<td>Total Housing Units</td>
<td>260,279</td>
</tr>
</tbody>
</table>

This chart shows the employment and labor force participation rates in Las Vegas for residents over 16 years of age. The 2015 unemployment rate is 7.5% and the labor force participation rate is 63.9%.
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Demographics

- Car Ownership: 98%
- 8.26% Carpool
- <1% Take Public Transportation
- Poverty Rate: 11.9%

Source of Income

- Salary: 79%
- Retirement Income: 15%
- Public Assistance: 2%
- Supplemental Security Income: 3%
- Social Security: 25%
- Investments: 25%
- Self Employment: 8%
- Other: 13%
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Site Analysis

Example Facility:

- Hours of operations – 8:00 AM – 10:00 PM Monday - Friday
- Founded in 2008 / Family operated
- 2009 it became the regional distribution center
- North of Greater Metro Area, 300,00 sq. ft
- 16 onsite delivery trucks
- 125 employees
- Onsite armed & unarmed security
- Leadership in Energy and Environmental Design (LEED) Platinum Designed Facility
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Natural Surveillance

Floor to ceiling windows
Second floor window
Office space overlooks public areas
Customer service window / orientation
Natural surveillance into and around the site.
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Natural Access Control

Any access point takes you to the building
Prominent and less confusing
Encourages normal users to utilize the paths
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Territorial Reinforcement

Business names displayed prominently

Decorative see through fencing around perimeter

Clear transition from public to semi-private to private spaces
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**Maintenance**

- Damaged bollards / electrical outlets
- Missing lights / lights in tree canopy
- Overgrown landscaping 2 ft. 6 ft. rule
- Graffiti
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Traffic Calming

Use of single lane roads, median barriers, and street signage to encourage safe vehicle speeds around pedestrian areas.

Curb extensions and Chicane lanes causes traffic to enter the parking area at a slower speed. Once inside, there are parking islands that break up the flow of traffic.
Transition Zones

Transition zones were clearly defined
Space appeared to support its intended use
Design promoted a clear transition from public to semi-public to private space
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Lighting / Light Trespass / Glare

Transit center is equipped with LED lighting throughout. Most fixtures are full cut off, eliminating glare. Bus benches are illuminated. Lobby uses a mixture of natural light. Windows provide natural surveillance. Pedestrian walkways are illuminated to IES standard of 1 FC.

- Employee parking – shoebox, flood, and canopy lights
- Office and Entrance – Cobra, ceiling, and wall pack lights
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Celebrated Entryway
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Focal Point
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Wayfinding
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Positive Activity Generator

Phone Charging Station
Onsite Bike Shop with showers for members
Bike rental program
Food Truck at designated location
Open ‘Friendly Plaza’ in front of building encourages neighborhood use and activities
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Negative Activity Generator
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Pedestrian Scale

Signage is at appropriate level.

Signage is plentiful without being cluttered.

Landscaping follows the 2 ft 6 ft rule
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**Connectability**

Located within one block of three transit stops.

Between two public parking garages.

Within walking distance to a neighboring community

Alternative transportation available (energy car parking, bike rack, rent-a-bike...)

[Image of a city street and transit stop]
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Social Management

Locals night every Wednesday: Sales and transportation provided to members of the community

Susan G. Komen breast cancer awareness events with fundraisers: pink popcorn, pink lemonade

Scholarships for graduating high school seniors through gift card fundraisers

Girl Scout nights with cookie sales and special prices for Girl Scouts shopping in the outlets

Christmas wrapping events to wrap donated gifts for children in the community

Military discount program
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Site Recommendations

• Additional lighting is required in the east alley. Recommend LED wall packs on east walls with 90 degree cut off providing uniform lighting
• Additional cameras on the perimeter required to improve visibility to security team at personnel entrance with intercom
• Dumpster requires additional barriers to restrict access
• South transformer requires graffiti maintenance and should be enclosed to remove hiding area
• West parking lot requires illumination to standard 90 degree cut off uniformity lighting to 4:1
• West side pedestrian controlled elevated sidewalk speed humps
• Remove garbage cans from perimeter location to deter bin divers
• Interior emergency exits need to be clearly identified
• Clearly mark the emergency call box
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Questions?

(Answers not guaranteed...)
Contact Information

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