

## Section 5 Lighting and Acoustics

### 5.1 Exterior Lighted Areas

- DG-5.1.1 Exterior lighting should be integrated into the design of structures or relate to the overall design of the Sports and Entertainment Complex to encourage pedestrian activity and support a modern sports and entertainment environment.
- DG-5.1.2 Pedestrian entrances, walkways, and activity areas, vehicle entrances and driveways, parking areas, and service areas should be well-lit to provide security and safety.
- DG-5.1.3 Prominent exterior lighting features not required for security and safety lighting should be equipped to control the intensity of lighting and allow for dimming or color variation.

### 5.2 Architectural Lighting

- DG-5.2.1 Architectural lighting should accentuate major architectural features and relate to pedestrian scale.
- DG-5.2.2 Sports and Entertainment Complex structures may incorporate large-scale architectural lighting, which may include the following:
  - (A) Large-scale architectural lighting elements placed on a building façade to highlight or accentuate elements of the architecture of the structure, which may be multi-hued or change hues in a slow, programmed manner.
  - (B) Integrated-large scale lighting that is attached directly to and made integral with architectural elements on the facade of a building, which may include individual light sources or pixels of a digital light source embedded into architectural components, low resolution digital mesh or netting, individual large scale pixels covering a building wall, light sources diffused behind translucent material, backlit panels, or horizontal or vertical LED banding integrated into architecture of a building, or similar treatments or features.
- DG-5.2.3 Large-scale architectural lighting shall not be considered signage for the purposes of the Inglewood Municipal Code or these SE Design Guidelines.

### 5.3 Exterior Luminaries and Fixtures

- DG-5.3.1 Luminaries and lighting fixtures should be coordinated on the basis of function and appearance to be architecturally compatible with the structures overall design of the Sports and Entertainment Complex.
- DG-5.3.2 All exterior lighting fixtures should be light-emitting diode (LED) fixtures or other similarly energy-efficient lighting technology.
- DG-5.3.3 Project outdoor security and architectural lighting may include low-level exterior lights mounted to the building and along pathways for security and wayfinding purposes.

- DG-5.3.5 The use of permanent fixtures with exposed bulbs for exterior lighting shall be prohibited.
- DG-5.3.6 The use of searchlights, spotlights, or other similar fixtures directed to the open sky or areas outside the Sports and Entertainment Complex site shall be prohibited.
- DG-5.3.7 Electrical service for all lighting should be placed underground or within structures unless determined to be physically infeasible.

## 5.4 Direction and Shielding

- DG-5.4.1 Exterior lighting should be installed, directed and shielded to direct the majority of artificial light to buildings, objects, or target areas within the boundaries of the Sports and Entertainment Complex and minimize light spill to adjacent properties.
- DG-5.4.2 Security and safety lighting should be recessed, hooded, and located to illuminate only the intended area.
- DG-5.4.3 Exterior lighting placement and direction should be designed to work with structural and/or vegetative screening to prevent light spill to adjacent properties.
- DG-5.4.4 Lighting for parking facilities should be designed to direct the majority of light into the parking facility and minimize light spill to adjacent properties.

Illustrative examples of lighting design options compatible with these Design Guidelines are provided in *Figure 5.1 Lighting*.

## 5.5 Lighting Design Plan

- DG-5.5.1 All Sports and Entertainment Complex exterior lighting shall conform to an approved Lighting Design Plan, as defined and required by Mitigation Measure 3.1-2(b) of the IBEC MMRP, included in Appendix C for convenience and reference purposes only.
- DG-5.5.2 The Sports and Entertainment Complex shall include any lighting or marking requirements required by Mitigation Measure 3.8-5 of the IBEC MMRP, included in Appendix C for convenience and reference purposes only.

## 5.6 Acoustic Facilities

- DG-5.6.1 Sound walls or barriers may be located in the areas shown in *Figure 1.3 Walls and Fences* or located in areas that serve a similar purpose and function.
- DG-5.6.2 Sound walls or barriers shall meet the following standards:
  - (A) Sound walls shall be solid with no gaps or cracks that might otherwise be considered acoustical “leaks.”
  - (B) Sound walls shall have sufficient mass so as to provide a Sound Transmission Class (STC) rating of at least 27.
  - (C) The Noise Reduction Coefficient (NRC) on the receiver-side face shall be NRC 0.85 or greater.
  - (D) Sound walls may feature vegetation and other aesthetic treatments as long as such treatments do not inhibit the required acoustical performance.

- DG-5.6.3 Any outdoor sound amplification system shall be designed to limit noise levels near noise-sensitive receptors through design considerations such as placement, distribution, direction, number of speakers and/or volume controls.
- DG-5.6.4 Sound-absorbing materials should be included on the exterior of buildings surrounding gathering spaces where feasible and effective to reduce noise levels to sensitive receptors.
- DG-5.6.5 Sound-absorbing materials should be incorporated into the design of parking facilities where feasible and effective to reduce noise levels to sensitive receptors.
- DG-5.6.6 Any rooftop outdoor restaurant or dining area included in the Sports and Entertainment Complex may include an enclosure such as glass to serve as a noise barrier.
- DG-5.6.7 Noise generating mechanical equipment should be located away from noise-sensitive receptors as feasible considering site conditions and function.
- DG-5.6.8 Noise generating mechanical equipment, including emergency generators, transformers, and HVAC units should be equipped with sound enclosures.
- DG-5.6.9 The Sports and Entertainment Complex shall conform to an approved Operational Noise Reduction Plan, as defined and required by Mitigation Measure 3.11-2(a) of the IBEC MMRP, included in Appendix C for convenience and reference purposes.