

City and County of Denver

LED Street and Pedestrian Lighting

Project Completed:	2017 (Project Duration: 2016 - 2017)	
Role:	Sub Consultant - Lighting (WBE and SBE)	
Project Designer:	Annie Kuczkowski, 15% Time Spent on Project	
Project Manager:	Nancy Clanton, 5% Time Spent on Project	
Owner:	City & County of Denver, CO	
Owner's Rep:	Sonrisa Lucero	Terri Goodwin
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Prime Consultant:	Jacobs	

Clanton and Associates, teamed with Jacobs, developed the City and County of Denver Street Lighting Design Guidelines, which includes the following:

LED street lighting specifications that dictates photometric performance to minimize light trespass, glare and sky glow; low color temperature (3000K) to respond to human health and ecological concerns; dimmable for adaptive controls; and electrical quality.

Street Lighting Guidelines for one-for-one replacement and new construction that provides prescriptive and performance methods for different street types and intersections.

Future City policies identification that affect the project such as when and what to light; and commitment to the details in the specifications and guidelines Work in progress include:

- City-wide street lighting I/P addressable controls

- “Smart Pole” standards to allow combined uses (street lighting, micro/small cells, wireless, signage, etc.)

- Small/Micro Cellular Poles to standardize one design for all carriers

Project deliverables will help meet the city's goals of environmentally sensitive design. Cost effectiveness is analyzed for all options. Another goal is to have flexibility to easily change with improved technology.

