Cool + Connected Corridors Phase 01: Impact Report

Summer 2026

OVERVIEW

Phase 01 Snapshot

Texas Avenue + Main Street Promenade

Phase 01 focused on Texas Avenue, a key east/west corridor linking the Theater District, Historic District, civic and government centers, and Daikin Park. The Phase 01 network also includes Main Street Promenade, a people-friendly Downtown thoroughfare.

Phase 01 Network: Texas Avenue + Main Street Promenade

28	111	12
Blocks that received treatment	New trees	Intersections that received shade structures

Main Street Promenade

20%	5x	42,880
Decrease in surface temperature	More shade	Gallons of stormwater treated per year

Additional treatments across the network include **pedestrian lighting + landscaping.**





SHADE STRUCTURES

Shade Structures

Texas Avenue

Average surface temperature reduction:	10°F
Maximum surface temperature reduction:	30°F
Temperature reduction percentage:	8%–22%

*Measured using a thermal infrared camera





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LIGHTING

Lighting

Texas Avenue

2-6x increase in pedestrian illumination compared to existing conditions.





Ellipse Pendant:

- 230 fixtures installed
- 3-7 foot-candles (fc)* at pedestrian level

Linear Pendant:

- 202 fixtures installed
- 0.9-2.7 foot-candles (fc)* at pedestrian level

***Foot-candle (fc)** is a unit that measures how much actual light lands on a surface. 1-2 fc is the standard illuminating recommendation for general outdoor walkways and pathways.



Illuminated shade structures provide a light gradient from **10 fc** at the bollard light fixture to approx. **1.5-2.5 fc** within the pedestrian zone over a 10-foot distance.

Existing conditions measured as low as 0.3-0.5 fc, indicating significantly improved nighttime visibility after project implementation.

LANDSCAPING

Landscaping

Texas Avenue

Restored/ Improved planting area: **1580 sf**

New planting area: **2471 sf**





8% increase in street tree quantity.

18% of planting areas restored or enhanced.

28% increased planting area throughout the corridor.

Softscape coverage **increased from 7% to 9%,** reducing impervious surfaces.