Heat Island Effect: Cities are hotter than the surrounding countryside, because the built environment absorbs heat.
LA experiences heat-related illnesses and deaths
(One of the only cities with heat related deaths in Winter)
And LA is expected to get HOTTER!

![Map of Los Angeles](image)

<table>
<thead>
<tr>
<th>Location</th>
<th>Current Days</th>
<th>2041-2060 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baldwin Hills</td>
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<tr>
<td>Downtown LA</td>
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<tr>
<td>Eagle Rock</td>
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<td>El Sereno</td>
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<td>Hollywood</td>
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<td>Sylmar</td>
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<td>Westwood</td>
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<td>Woodland Hills</td>
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</tbody>
</table>

Source: UCLA LARC study, 2012; chart based on the mean/average projected by the 18 climate models.
Three Strategies can reduce the Heat Island Effect:

- Shade Trees
- Cool Roofs
- Cool Pavement
Black asphalt absorbs more heat than lighter colored pavements

Grey parking lot is lower temp than black asphalt roadway
In July 2015, BSS partnered with Rec & Parks and GSD to Install a Test Patch of Cool Pavement Coating at Balboa Sports Complex

Two Coats of Guard Top Cool Seal are applied

Finished Product with striping
Gray Coating is 10 degrees Fahrenheit cooler than black asphalt

GSD Test Results:

Material passed California skid test and slip test, meaning it is safe under wet conditions

In summer afternoons, coated area was 10 degrees cooler than untreated black asphalt across the median
Next Step: Obtained Funding to install on Public Streets
One city block in each of the 15 Council Districts
-completed 2017
Results of Pilot Project Phase 1:

1. Thermal performance is as expected: 10 deg cooler
2. Residents greeting the installation with excitement
3. Press coverage from LA Times, NY Times, Washington Post, NPR, local TV stations
4. Inquiries from other cities
5. Potential concerns about staining / darkening
Summer 2018: Guard Top contractor re-coats 9 locations with revised Cool Seal Formulation

First coat applied using slurry buggy

GOAL: improved thermal performance as coating ages, with reduced erosion and staining

Second coat applied by hand spray
Next Steps: Cool LA Pilot Funded by SB1 Planning Grant
Sherman Way Orange Line Station
Cool Pavement + Cool Roofs + Shade Trees = Cool Neighborhood!
Next Steps: Multi-Product Demonstration Site
At LADWP LaKretz Innovation Campus in DTLA Arts District
Next Steps: Cool Pavement Phase 2- Coating a Subdivision, to see if a neighborhood-level cooling effect can be realized
Next Steps: Cool Pavement on a Major Off-Street Bike Path?

Active Transportation Rail to River Corridor
Community Meetings - Thursday, December 8, 2016 / Reuniones Comunitarias - Jueves, 8 de diciembre de 2016 - 3:30 pm & 6-8 pm

Join us for a chance to win a bicycle & helmet!
¡Participe para una oportunidad de ganar una bicicleta y casco!
ME: greg.spotts@lacity.org

BSS: WE’RE HERE TO HELP!

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