

HOW WE FIXED IT



Reflective Cracks Returning After Overlays

Cracks in the base asphalt layer routinely reflect through new overlays, leading to repeat closures, added cost, and reduced pavement life.

Project Parameters:
Seal a 500-ft section
with 1-2" cracks in
Tempe, AZ under a
2" HMA overlay with
no swelling or
paving interference.

Main Street Materials Educational Series

Agencies need a reliable way to treat cracks before an overlay without months-long wait times or swelling under hot mix. Traditional sealants often require extended cure times and still risk reactivation when paved over, especially in wide thermal cracks.

Check out how we fixed it.



HOW WE FIXED IT

Main Street Materials Educational Series

The Solution: Enflex™ Composite Crack Sealant Under Asphalt Overlays

Enflex allows agencies to seal cracks and place an overlay within the same closure—without swelling, bubbling, or delaying paving operations.

Uses include:

- Pavement preservation projects requiring same-day crack sealing and overlay
- Roads with thermal cracking and wide structural cracks
- Arterial, collector, and airport pavements
- Overlays where agencies want to minimize closures and public disruption

Key Performance Points:

- No swelling or bubbling under 300–350°F hot mix
- No required wait time before overlay
- Suitable for large cracks without pooling
- Quick release to traffic—material cool enough to walk on within minutes
- No squeegeeing and no detach agent needed
- Reduced crew size and reduced exposure
- High tensile strength and cohesive polymer network prevent reactivation and movement
- Helps reduce reflective cracking by treating cracks prior to overlay

Before



During



After

