

Reflective Cracking Testing Notes

Date: April 1, 2015

Project: Reflective Cracking Indoor Phase IV

Weather:

	6:54 AM	3:54 PM
Temperature (°F):	30.0	55.0
Dew Point (°F):	25.0	23.0
Humidity (%):	82	29
Visibility (Miles):	10.0	10.0
Wind (MPH):	6.9 WNW	13.8 NNW
Conditions:	Clear	Clear

Working Hours: 7:00 AM – 4:30 PM

Sub-Contractor(s): None

Personnel: SRA

Equipment: (1) core drill with 4" and 6" I.D. core bits, (1) shop vacuum

Reflective Cracking Testing Notes:

The 18 mil test cycle continued on the South section of the test item. The South inner vertical edge crack has propagated from 1.5 to 2 inches, as shown in Figure 1. The South outer vertical edge shows no crack, as seen in Figure 2.

An SRA technician continued obtaining asphalt cores from the test item for material characterization purposes. (24) additional cores 6 inches in diameter were drilled and extracted from the 7 inch thick P-401 test section atop the sampling slab to the West of the test rig, for a total of 61 corings. (1) extra core sample was obtained with this set to compensate for one of the other core samples that was accidentally chipped during extraction. A total of (10) core samples at 4 inches in diameter were also obtained. A portable core drill with 4 inch and 6 inch I.D. core bits was used to drill the cores. A shop vacuum was used to remove excess water during coring and clean-out of the core holes upon completion. The core samples were left adjacent to the reflective cracking test area after extraction.

Two cores taken from the East end of the sampling area (6 inches in diameter) are approximately 7 inches thick, however all other 6 inch diameter cores and all of the 4 inch diameter cores obtained from the middle of the sampling area are only approximately 6 to 6.25 inches thick.



Figure 1. South Inner Vertical Edge.



Figure 2. South Outer Vertical Edge.