

Reflective Cracking Testing Notes

Date: March 12, 2015

Project: Reflective Cracking Indoor Phase IV

Weather:

	6:54 AM	3:54 PM
Temperature (°F):	39.9	52.0
Dew Point (°F):	23.0	10.0
Humidity (%):	51	19
Visibility (Miles):	10.0	10.0
Wind (MPH):	12.7 NW	15.0 WNW
Conditions:	Clear	Clear

Working Hours: 7:00 AM – 4:30 PM

Sub-Contractor(s): ARA

Personnel: (1) technician (ARA)

Equipment: Hand tools

Reflective Cracking Testing Notes:

The 12 mil test cycle continued on the Phase IV test item. On the South test section, both the inner and outer vertical edges show no change, as shown in Figure 1 and 2 respectively. On the North test section, the inner vertical edge shows no change, as shown in Figure 3. The North outer vertical edge crack has propagated past SG6-N-2.5 and reaches 3 inches in length. SG6-N-2.5 is open, as shown in Figure 4.

The chiller was not running in the morning as it displayed a “Temp Outlet” fault. The temperature connections behind the controller unit were reseated. At 8:30 am, the interface temperature was 44 °F. By 3:00 pm, the interface temperature was down to 34 °F. The chiller now appears to be operating normally.



Figure 1. South Inner Vertical Edge.



Figure 2. South Outer Vertical Edge.



Figure 3. North Inner Vertical Edge.



Figure 4. North Outer Vertical Edge.