Reflective Cracking Testing Notes

Date: March 16, 2015

Project: Reflective Cracking Indoor Phase IV

Weather:

	6:54 AM	3:54 PM
Temperature (°F):	33.1	48.0
Dew Point (°F):	26.1	30.9
Humidity (%):	75	52
Visibility (Miles):	10.0	10.0
Wind (MPH):	6.9 W	11.5 S
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. On the North test section, the inner vertical edge shows no change. The North outer vertical edge crack has reached the top of the 5-inch-thick pavement, as shown in Figure 1 below, and all the vertical edge surface gages (SG6-N-0, SG6-N-2.5, and SG6-N-5) are reading open. From the top edge, the crack has propagated across the top surface, as shown in Figure 2. The top surface gauge SG5-N-5 is open and SG4-N-5 is responding with a square wave which suggests that it will open shortly. Gauge response patterns are shown in Figure 3.

There is currently no visible crack between SG5-N-5 and SG4-N-5, however, there is a visible crack that extends to 1 inch above SG5-N-5.

The chiller appears to be operating slightly cold of the optimal temperature. At 10:30 am today, the interface temperature read 30 °F. The set point was increased by 1 degree.

(a) (b)

Figure 1. North Outer Vertical Edge - Large Change.

Figure 2. North Vertical Crack at SG5-N-5.

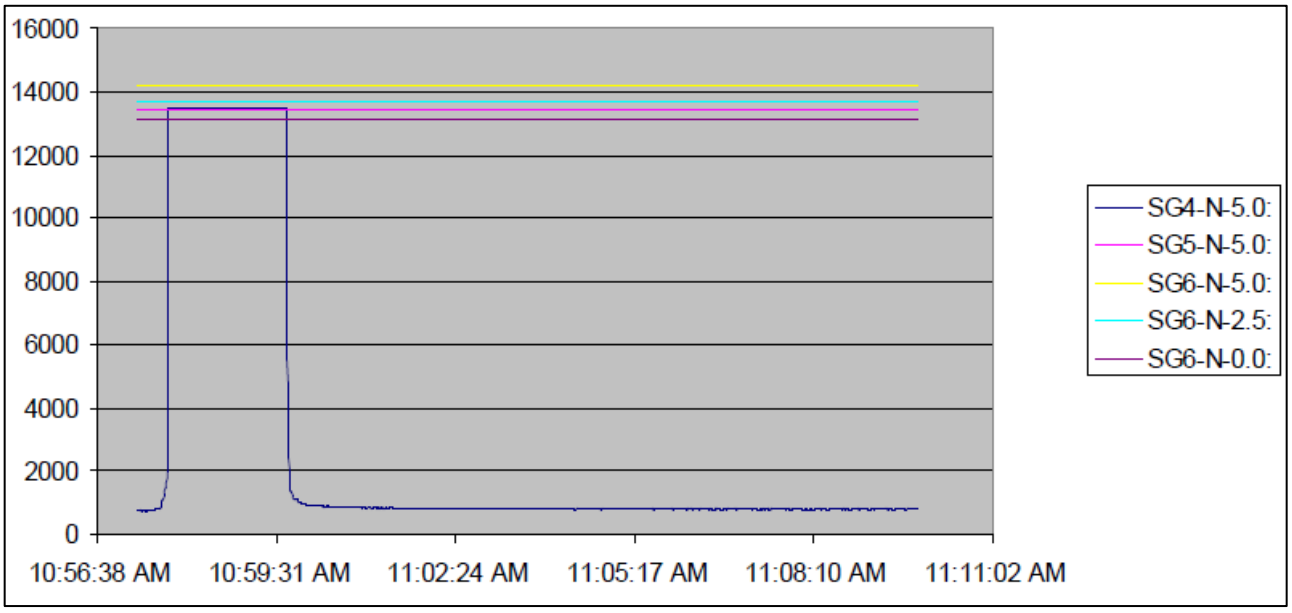

Figure 3. Surface Gauge Responses.