Reflective Cracking Testing Notes

Date: March 26, 2015

Project: Reflective Cracking Indoor Phase IV

Weather:

	6:54 AM	3:54 PM
Temperature (°F):	51.1	59.0
Dew Point (°F):	50.0	57.0
Humidity (%):	96	93
Visibility (Miles):	2.0	5.0
Wind (MPH):	6.9 SSW	21.9 S
Conditions:	Overcast	Light Rain

Working Hours: 7:00 AM – 4:30 PM

Sub-Contractor(s): None

Personnel: SRA

Equipment: Hand tools

Reflective Cracking Testing Notes:
The 12 mil test cycle continued on the Phase IV test item. On the South test section, the inner vertical edge shows no change. The South outer vertical edge shows no change other than the horizontal crack along the interface, as shown in Figure 1 and 2. All of the South side surface gauges are responding. These gauges do not indicate the presence of cracks as none of them are open, as shown in Figure 8.

On the North test section, cracking has propagated through the pavement structure. The bottom-up crack originated on the outer vertical edge, as shown in Figure 3. The surface crack propagated from the outer structure toward the inner structure, as shown in Figure 4. The crack stopped at the 54 inch mark leaving 6 inches to go before it reaches the inner edge. A bottom-up crack became visible on the inner vertical edge, as shown in Figure 5. The surface crack propagated 6 more inches reaching the inner edge, as shown in Figure 6. All but (1) of the North side surface gauges are reading open, with SG1-N-2.5 is still responding. North side gauge responses are shown in Figure 7.


Figure 1. South Inner Vertical Edge.


Figure 2. South Outer Vertical Edge.

Figure 3. North Outer Vertical Edge.

Figure 4. North Right Side of Test Facing West.

Figure 5. North Inner Vertical Edge.

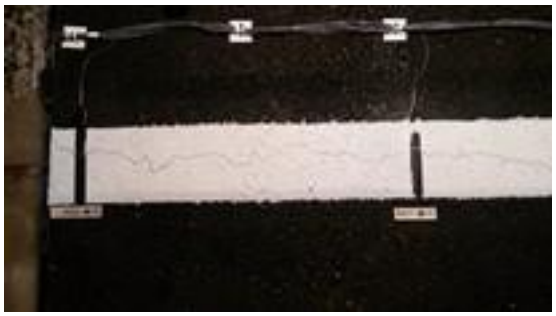

Figure 6. North Surface Crack.

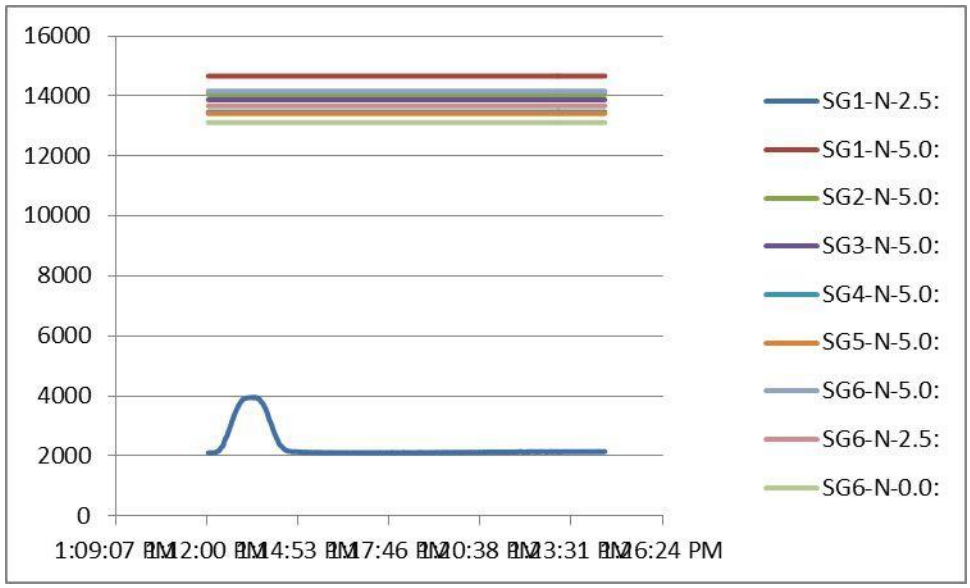

Figure 7. North Surface Gauges Response.

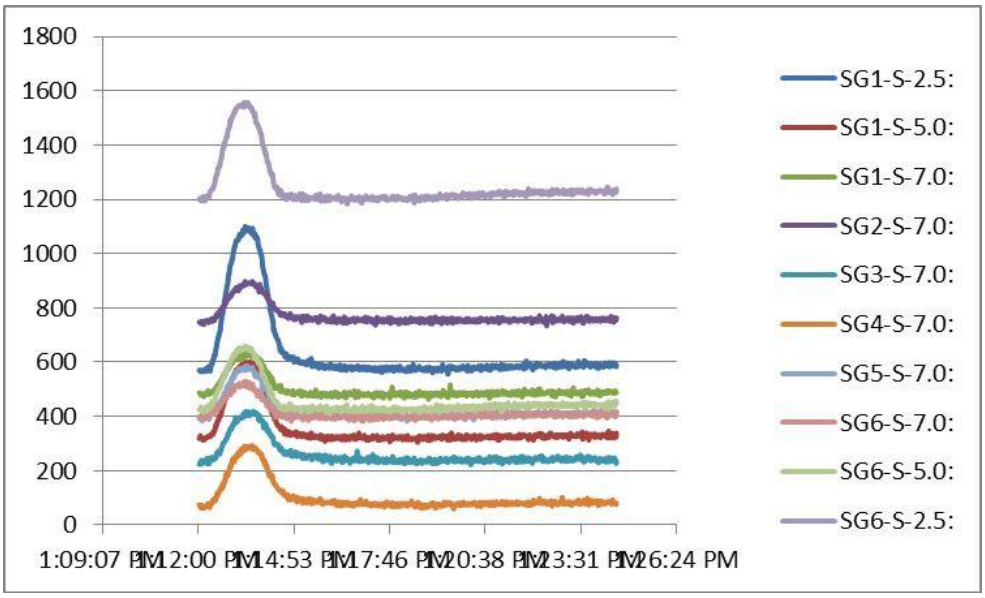

Figure 8. South Surface Gauge Response.