

**2010 Composite Pavement Construction at MnROAD
 Engineer's Weekly Report
 Week of May 10 - 14, 2010
 Mark Watson, MnDOT**

There was no formal weekly construction meeting held due to the construction of cell 72. An informal discussion was held on grade related to the schedule and planned activities for the day.

Summary of Research and Construction Activities Completed during the week of May 10 - 14

Monday, May 10

Paving on MnROAD Mainline cell 72. This 473' + 208' = 681' cell consisted of 6" of low cost concrete (CHP) mix overlaid (wet-on-wet) with 3" exposed aggregate concrete (EAC). There were some issues with slump throughout the day, contractor rejected 2 loads, Mn/Dot rejected 1 load. The first 8 yd load of CHP was delivered at 8:13, and the last load (EAC) was delivered at 3:15. It started raining at 3:30, the slab was covered behind the paver and after brushing. Early brushing efforts were not as successful, due to the complications of the rain and low temperatures.

Table 1. Summary of Test Results on Fresh PCC

Mix	Date	Location	Time	% Air	Slump (in)
CHPMR	5/10/2010	1171+80	8:23 AM	7.2%	2.75
CHPMR	5/10/2010	1172+30	9:33 AM	6.4%	2 1/2
EACMR	5/10/2010	1171+80	10:14 AM	5.7%	3 1/4
EACMR	5/10/2010	1172+10	10:55 AM	9.0%	2
EACMR	5/10/2010	1172+30	11:12 AM	7.5%	2.5





Tuesday, May 11

6:00am surface brushed, texture appeared much better than sections brushed on Monday afternoon/evening. Poly removed. Rain.

Wednesday, May 12

Repaired corner break and spalled concrete on west end of cell 70 using standard Mn/DOT mix and repair procedures. Curing compound applied to slab at 2:00pm.

Thursday, May 13 and Friday, May 14

No work on site.

Next week: cell 72 will be paved with bituminous on Thursday, May 20, and the shoulders will be completed on Friday May 21, assuming no weather or equipment related delays. The bituminous will be sawed/sealed on Friday-Saturday May 21-22.

If you have any questions, please feel free to contact me.

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CC: SHRP 2 Research, Mn/DOT Materials and Road Research, File