COLD WEATHER CONCRETING PLAN

Date: _____

Airport:_____

Illinois Project Number:_____

A.I.P. Project Number:_____

Contractor:_____

PCC Producer:_____

The concrete for this project will be protected and cured in accordance with Policy Memorandum 2001-1 “Requirements for Cold Weather Concreting” and applicable contract specifications. The following measures will be taken and maintained whenever the average ambient air temperature drops below 40 °F day or night:

1. The concrete for this project will be manufactured by ***[Insert Producer Name and Producer Number here]*** using a ***[Insert Plant type and Manufacturer here]*** plant. The plant is an IDOT approved plant and meets the specified requirements of the Contract Specifications. The plant is located at ***[Insert plant location here].***

2. Adjustments in the manufacture of concrete for this project will be implemented, when necessary, to keep the PCC mixture temperature from 50 °F – 90 °F. The adjustments to maintain mixture temperature will include ***[Insert adjustments here]***.

3. The mix temperature will be checked and monitored throughout the concrete pour. All temperature measurements will be recorded and submitted to the Resident Engineer. Mix that does not meet the temperature requirement of 50 °F – 90 °F will be rejected for use on the project.

4. The PCC mixture will not be placed until the proposed base on which it is to be placed is at least 40 °F. Necessary measures such as ***[Insert measures here]*** will be taken to ensure at least a 40 °F base temperature.

5. The concrete will be cured and protected by use of ***[Insert curing and protection methods here]***. The protection method will be maintained in order to preserve a concrete temperature of at least 50 °F for 10 days.

6. In-place temperature monitoring for the surface and subsurface of the concrete as placed, will be accomplished as follows***: [Insert PCC temperature monitoring plan here]***.

7. Strength specimen sampling, casting, and curing will be in accordance with ASTM C-31. The strength specimens will be cast and cured in an onsite, indoor laboratory facility that meets with the approval of the Resident Engineer.

As attested below, this plan will be adhered to during cold weather concreting operations as defined in Policy Memorandum 2001-1. :

Prime Contractor Signature: _____Date:_____

PCC Producer Signature: _____Date:_____

Resident Engineer Signature: _____Date:_____

Approved by:

Engineer of Construction and Materials: _____
IDOT, Division of Aeronautics Date