

Administration and Inspection Activities for Additional Requirements for the use of an Infrared Joint Heater

(As Specified in Nssp BITU0030)

1.0 SCOPE

This CAIS covers the construction administration and inspection requirements for the use of an Infrared Joint Heater as specified in Nssp BITU0030.

2.0 REFERENCES

This CAIS refers to the following, standards, specifications, or publications:

MTO Non-Standard Special Provisions:

Nssp BITU0030 Additional Requirements for the use of an Infrared Joint Heater

3.0 CONSTRUCTION ADMINISTRATION AND INSPECTION

Administrative Activities:

1	M	Receive and Review documentation outlining the make, model, capacity and type of infrared joint heater provided by the Contractor a minimum of 10 days prior to the start of paving operations.	-
2	-	Any deficient work shall be removed and replaced or assessed for a payment reduction as determined in consultation with the Regional Quality Assurance Section.	-

Inspection Activities:

1	-	Prior to the start of paving, ensure that the infrared joint heater is required to be used on the particular section of the contract as prescribed in BITU0030.	100%
2	-	Prior to the start of paving, ensure that the infrared joint heater is placed in such a way that the longitudinal paving joint and 50 mm of the adjacent lane pavement can be heated.	100%
3	-	Prior to the start of paving, ensure that the infrared joint heater is capable of heating the HMA at the joint to the temperature range outlined in BITU0030.	100%

4	-	<p>During paving, monitor the temperature of the HMA at the joint during the entire paving process to verify that the HMA temperature remains within the range prescribed in BITU0030. A log of the temperatures shall be kept to track the temperature at the joint at different stations throughout the paving operation.</p> <p>Temperature measurements using an Infrared Thermometer should be taken every 100 lane metres.</p>	100%
5	-	<p>In the case when temperatures fall outside of the range prescribed in BITU0030, or if charring or burning of the HMA is observed, the Contract Administrator shall verify that the Contractor stops paving as specified. Note the stations between which the malfunction occurred and/or the joint is considered deficient work. Paving can only resume once the Contractor demonstrates that the infrared joint heater is capable of achieving the prescribed temperature range and/or the HMA is no longer being burned/charred.</p>	100%

WARRANT: Always with NSSP BITU0030, Additional Requirements for the use of an Infrared Joint Heater.