

A decorative graphic consisting of a thin yellow circle on the left and a horizontal yellow bar extending to the right. The bar has a gradient from light yellow to white. A large black left square bracket is on the left side of the bar, and a yellow right square bracket is on the right side.

# CFB Shearwater Heliport Conversion

Application of Joint Heater  
system

# [ Project Details ]

- New Construction of Taxiways
- Complete Reconstruction of Runway  
existing sub-base & base to remain.
- 1.08 km – 34.2m wide.
- Asphalt Section 120mm – 70/50

# [Transport Canada Specification]

- 5mm finished grade tolerance
- 3mm – 3m straightedge on all areas.
- 98% GMB Mat Compaction
- 97% GMB Joint Density
- Converted to 94% & 93% GMM
- Cut joint specs below 100°C

# [ Joint Heater ]

- Heat Design equipment
- 4-4ft elements in series
- Trailer Mounted - 4-100lb Propane Cylinders.
- DCC accepted variation for “warm” joint upon outside trial.
- Must cut/mill overnight.











# [ Heater Performance ]

- Able to reheat joint from 60°C to 150°C at ½ capacity in summer.
- Reheat from cold to 100°C at 3°C and 30km winds.
- Able to reheat old pavement to workable to fix joints, drainage, make surface defect repairs.



# [ Technical Performance ]

- Mat Density – Base -94.4 Surface 95.1
- Heated Joints - 94.1 no failures
- Cut joints 92.6 - with failures.
- No mill & replace due to density or joint construction (visible)

# [ Financial ]

- Purchase - \$35,000
- Operation \$200/day +L&E
- Saved Approx 360mt Asphalt in cut joints= \$18,000.
- Cost less than \$0.15/m
- Significant operational savings. Days + clean-up costs.