

## SPECS - TRUCK MOUNTED ELECTRIC INFRARED HEATING UNIT

Equipment and operator to be provided:

Equipment: Truck mounted electric infrared heating units for reheating of existing asphalt pavement on a roadway surface.

The truck shall be equipped with a minimum of four electric infrared heating elements capable of producing up to 240 kW. The overall infrared heating system must be capable of real time monitoring of surface temperature by thermostat to automatically adjust heating energy applied to achieve a constant pavement temperature. Heating elements must be capable of being adjusted to different configurations on the truck to focus heat in a concentrated longitudinal area of the roadway such as at a joint or crack or a wider area of the pavement.

Operator: Provide an operator for the truck and infrared equipment with at least one year of experience operating the system and fully capable of making adjustments to the system's performance to achieve a satisfactory heating operation.

Work to be performed by August 11, 2023, unless otherwise directed by PennDOT.

Traffic control (Maintenance & Protection of Traffic), pavement rollers, operators for PennDOT equipment, and other required safety devices will be provided by PennDOT.

Work will be directed by PennDOT and is to be done at PennDOT discretion, between the hours of 7am and 4 pm, on Monday through Thursday, and excluding holidays.

Work cannot be performed during rain, and the ability for work to be performed will be determined by PennDOT.

All costs for the provided truck with infrared heaters and operator are to be paid by the vendor, and PennDOT will pay the vendor an hourly rate to compensate for the truck, operator, and associated expenses.

Truck to be fueled by the vendor and ready to go each morning at the determined start time.

NOTE: The quantities shown are strictly an estimate and this estimate is for internal use only. There is no assurance that the Department's actual usage of the equipment will approximate this estimate. Payment by the Department to the contractor will be based on actual usage only.