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Sommario/riassunto	The main goal of the study reported here was to determine frost penetration at the selected Seasonal Monitoring Program (SMP) sections. As part of the study, an interactive computer program, FROST, was developed to facilitate the interpretation of the electrical resistivity and temperature data. Analysis results include the freeze state at each electrical resistivity sensor and the frost penetration at each site. As part of the overall LTPP data analysis effort, it is expected that the information on the seasonal variation in the freeze state in the unbound base, subbase, and subgrade will be used to develop improved understanding of the seasonal variation in the load-carrying capacity of pavements and the subsequent effect on pavement performance.