



RESEARCH NOTES HIGHWAY DIVISION RESEARCH SECTION

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NOAA WEATHER INFORMATION SYSTEM

RSN 87-2

The Research Unit has acquired National Oceanic and Atmospheric Administration (NOAA) computer tapes for the years 1980 through 1985. The 1986 tape is on order and should arrive in September.

SCOPE - These tapes contain the summary of daily weather observations for 223 stations in Oregon. These summaries include high and low temperatures, precipitation, snow depth, evaporation, general weather summary, and other elements in a daily report format.

APPLICATION - Those having a need for historical weather data in a day-by-day format will find data on these tapes valuable. Annual weather summaries for specific areas can be developed from this data. The nature of the data allows one to obtain a summary of the weather on a specific day for a specific station. This format does not provide hourly information, partly because the majority of the reporting stations do not provide data in that format.

ACCESS - The Pavement Analysis Group of the Materials and Research Section has developed the necessary computer programs to decode and reformat the data into a daily summary for each reporting station. These programs require batch processing and are somewhat complex. As the data resides on magnetic tape, it is not feasible to develop an interactive program on the ODOT mainframe computer at this time.

Those wishing to obtain this information should contact:

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Any questions regarding the above information should be directed to the Research Unit.

SUMMARIES AND ABSTRACTS OF CURRENT HIGHWAY RESEARCH