

RESEARCH UNIT EQUIPMENT FOR LOAN

JUNE 1992

RSN 92-4

The Research Unit has acquired, through the years, a number of specialized pieces of equipment. These devices are primarily data gathering and measurement devices.

The Research Unit will loan, on a short-term basis, the following specialized equipment to other ODOT units:

- **IBM P70 Portable Computer** with 16 channel Analog/Digital board.
This machine needs AC power and is not a laptop.
- **Battery Powered Data Loggers** (3 units) with 2 - analog/digital channels and 1 - digital channel. These units are set up for temperature monitoring, but can be modified through the use of specialized preamplifiers.
- **Re-bar Finder & Depth Gauge** to determine depth, size, and location of reinforcing steel in concrete. Works well up to about 6 inch depth.
- **Wind Speed Meter**
- **Humidity Gauge**
- **Digital Thermometer** for reading temperatures in air (< 100 F.), chemicals (-80 to 1100 C.), or asphalt (< 400 F.).
- **Rut Measurement Bars** for measuring rut depth on pavements.
- **British Portable Pendulum Friction Tester** for measuring the relative friction values of various materials. Complies with ASTM standards.
- **Portable Pavement Profiler** for measuring pavement profiles or ride values on roadways, airfields, sidewalks, etc.. This is a "Dipstick" device and qualifies as a Class 1 profiling device according to ASTM and FHWA.

For more information, contact the Research Unit at 378-2318.