



CENTER FOR INFRASTRUCTURE ENGINEERING STUDIES

Structures Laboratory Equipment Enhancement - Hydraulic Distribution System

By

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A hydraulic distribution system Model 505.30 Hydraulic Power Unit with accumulator, manifold and check valves has been purchased for use by the research teams that are conducting studies in the high bay structures laboratory located on the UMR campus.

The new structural engineering high bay research laboratory capability has been significantly enhanced by the addition of the multi-task hydraulic distribution system. Students are now utilizing load test equipment that is driven by the newly installed hydraulic distribution system.

The hydraulic distribution system has greatly expanded the experimental capabilities of the research laboratory. The previous pump was purchased in 1985 and had only a single-task capability. When a long term fatigue test had been in progress, other laboratory activities were at a standstill. The new system has enabled multiple tests to be performed simultaneously. Thus, both the productivity and capability of the laboratory has been significantly increased.