



# Bill Emerson Bridge Wind and Cable Instrumentation

TAC Meeting – SPR-3(078)

April 26, 2007



# *Bill Emerson Bridge Wind and Cable Instrumentation*

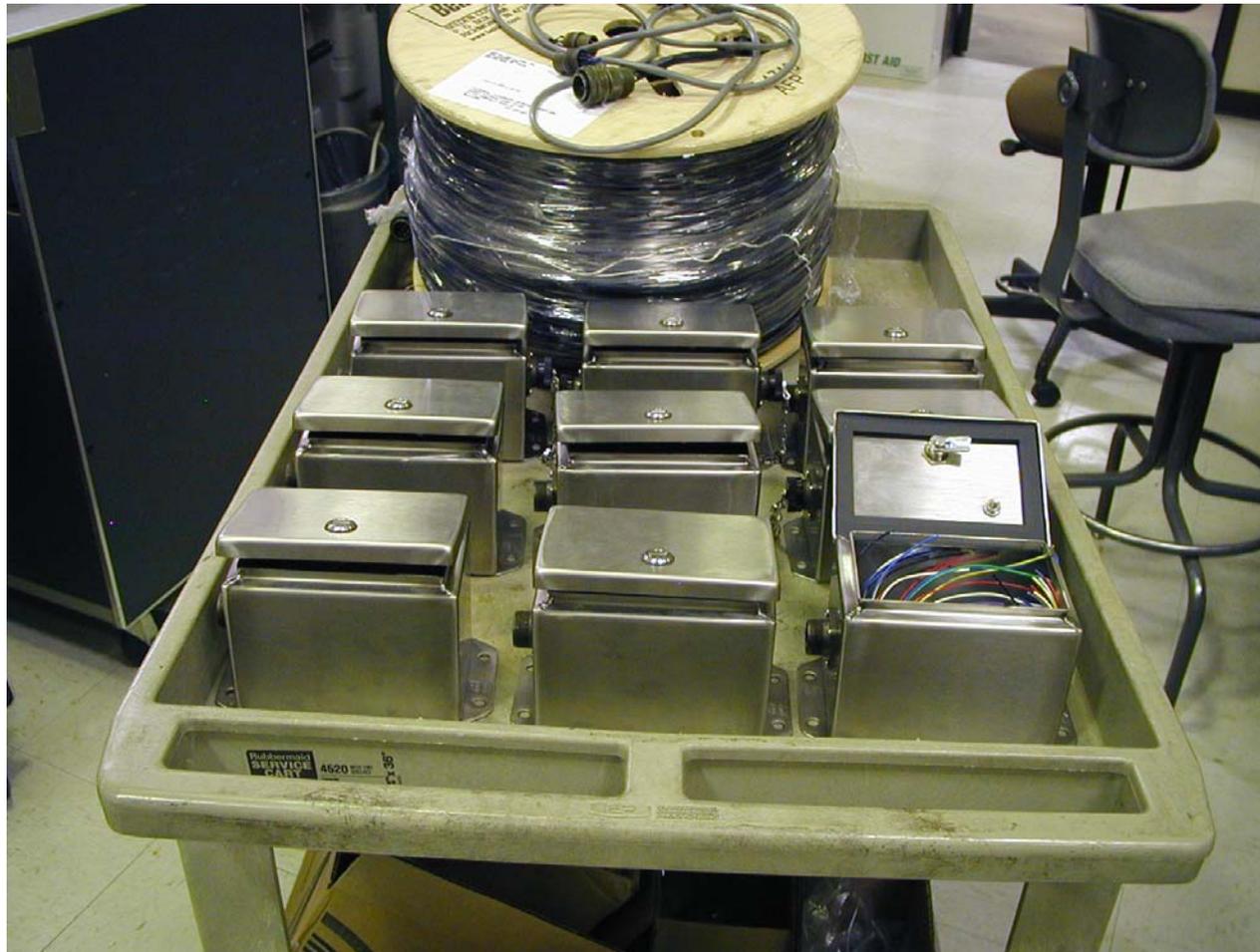
## System Overview





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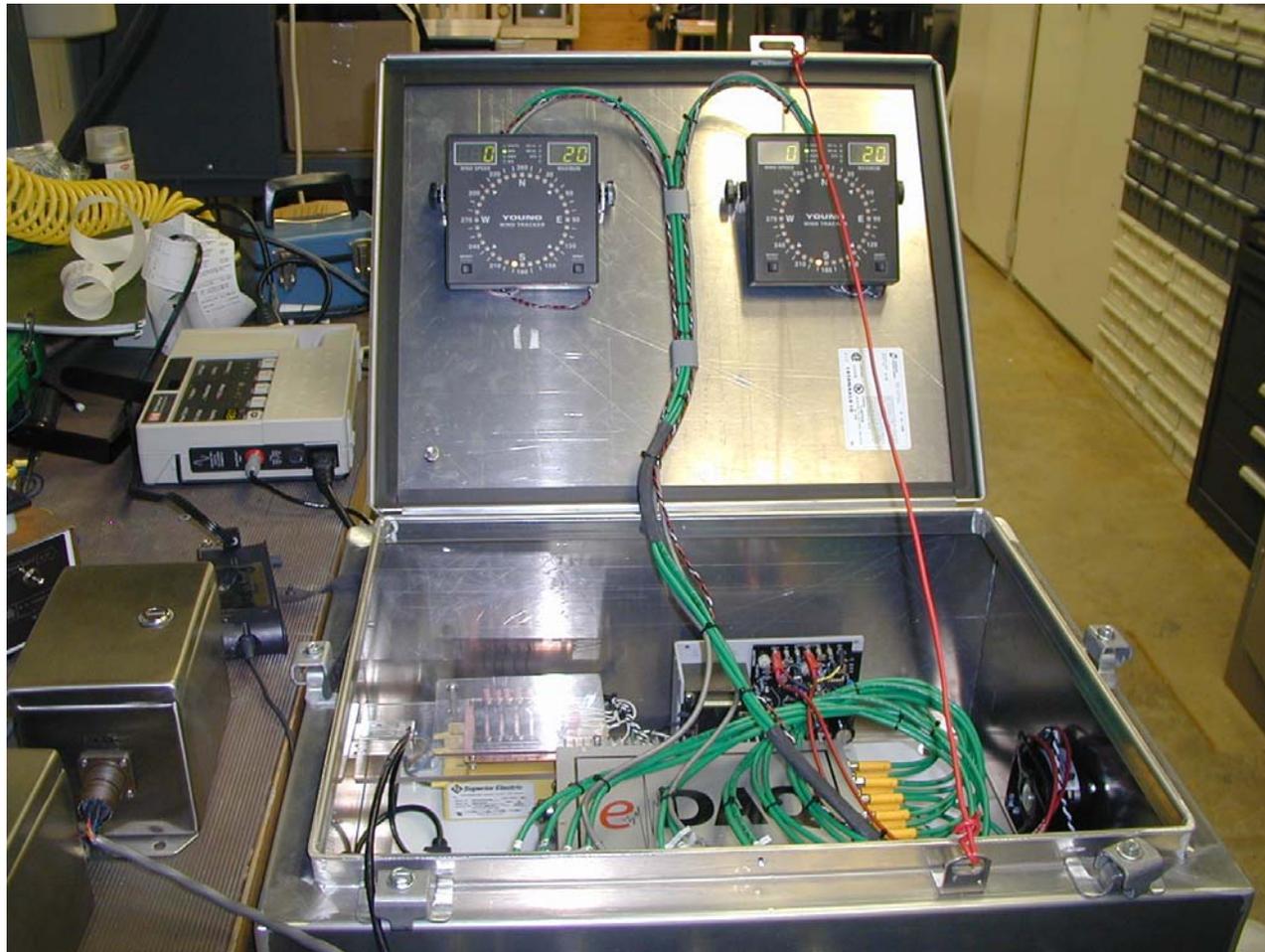
## **Accelerometers – Sensor Cable**





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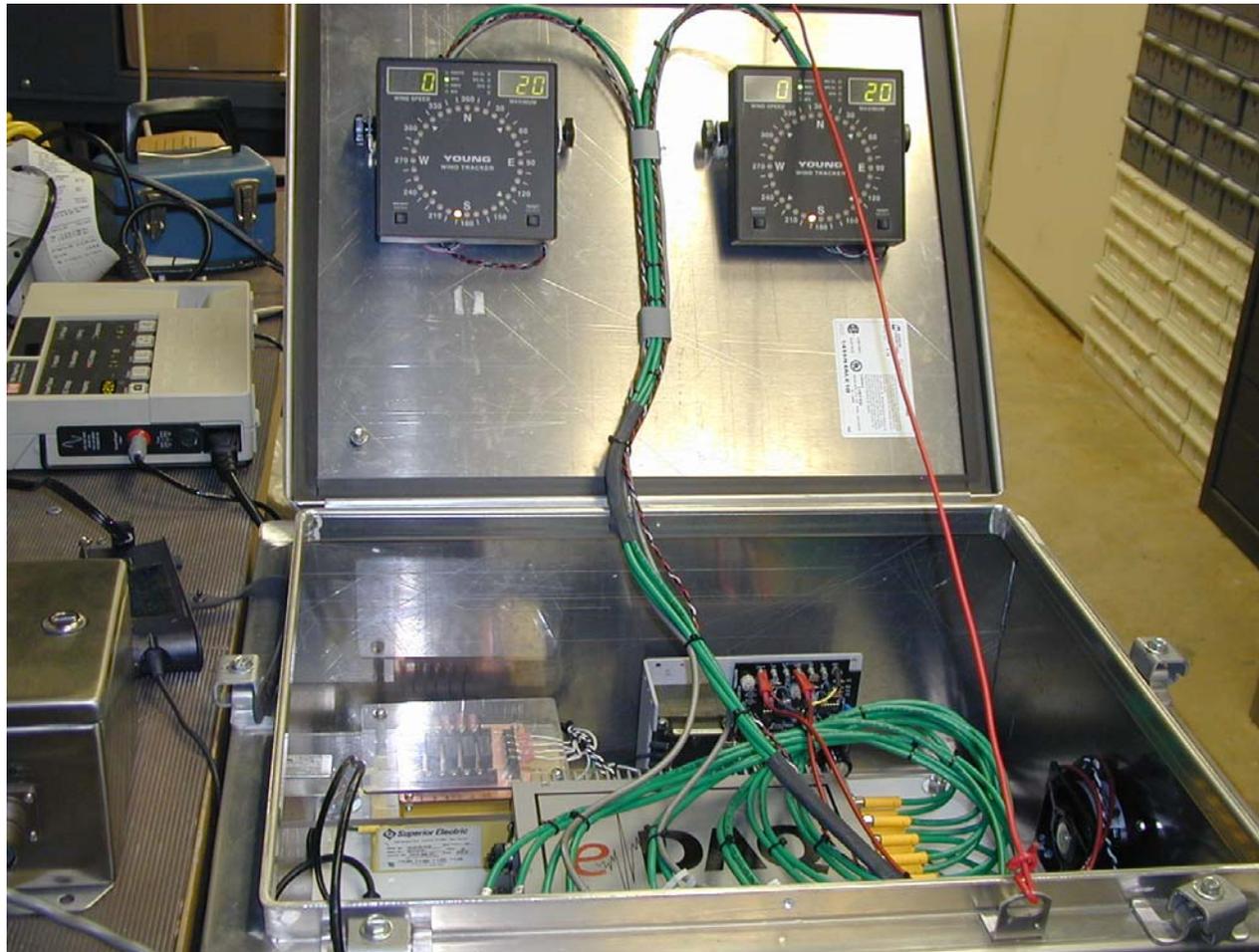
## Data Acquisition System





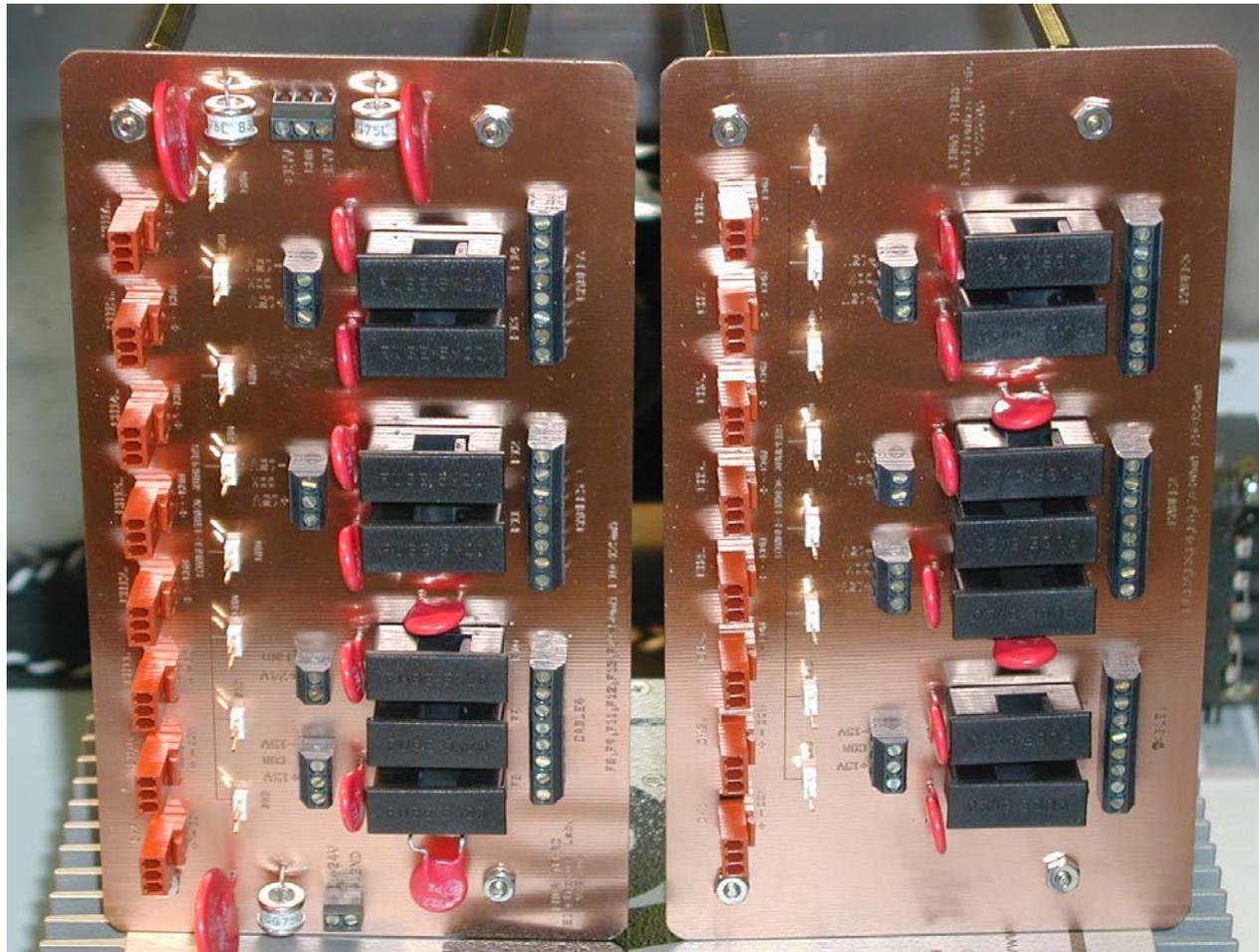
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## **Data Acquisition System**



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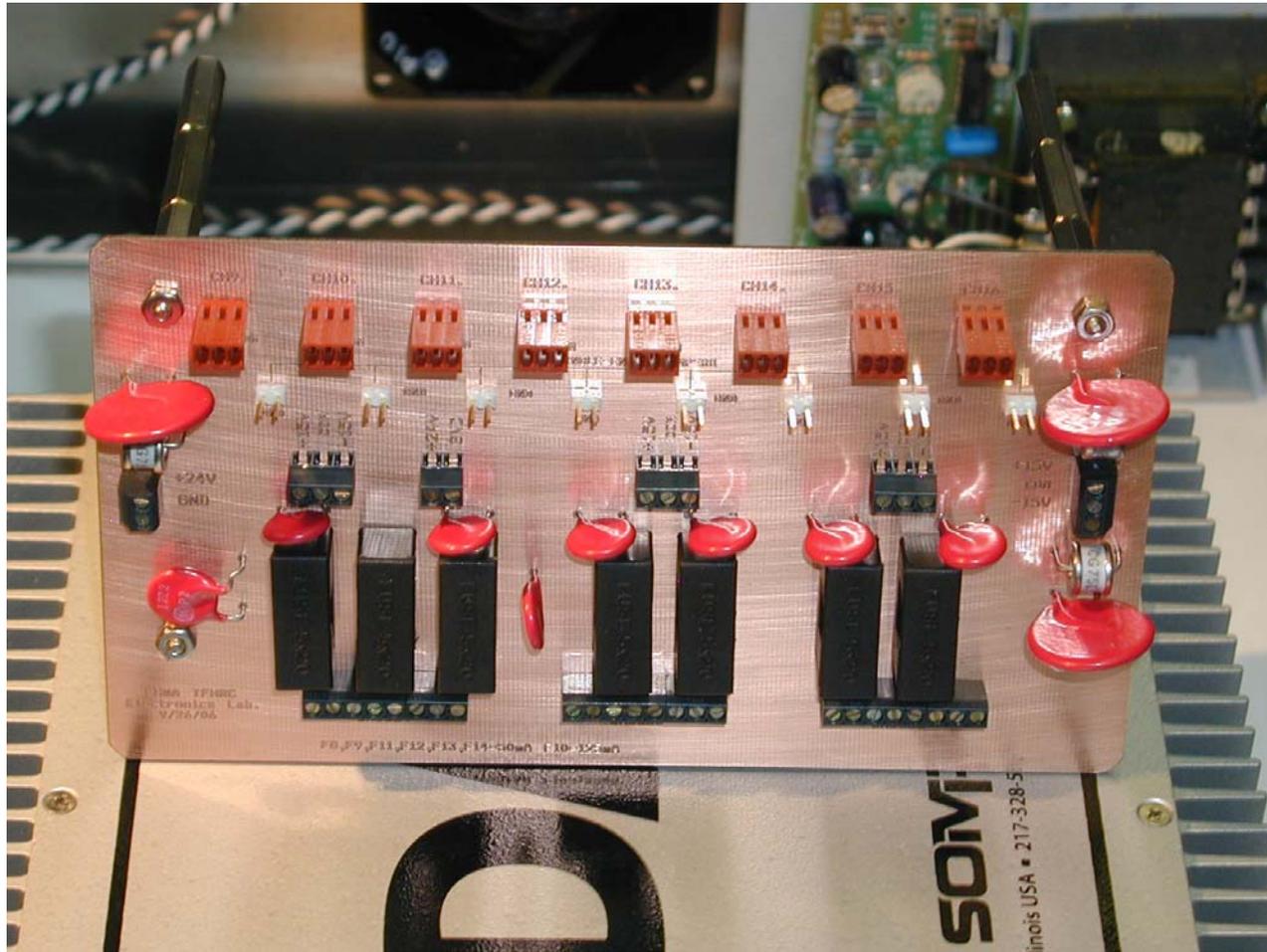
## Main Interface Boards





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## Fuses & Lightning Protection





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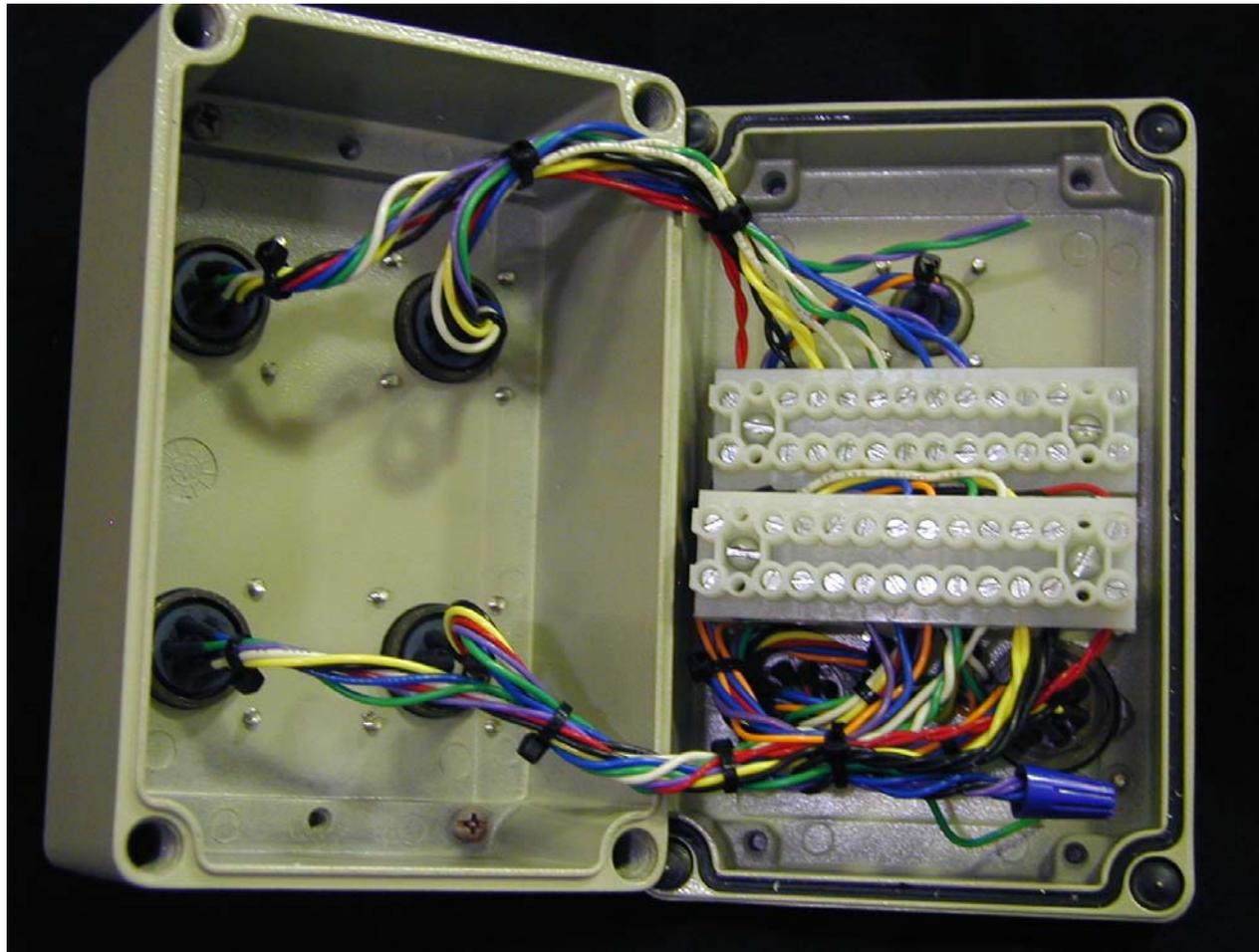
## Light Pole Junction Box





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## Inside Junction Box





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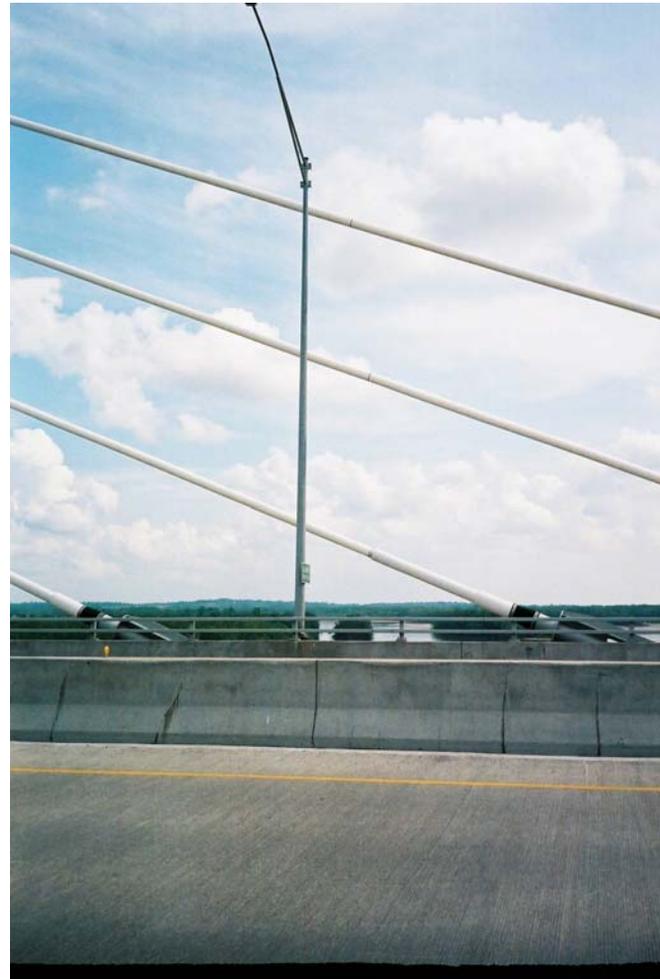
## **Data Acquisition System & Cables Inside Pylon**





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## **Light Pole Near Midspan**





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## **Light Pole – Anemometer Above Mast Arm**





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## **Accelerometer on Stay Cable**

