H-M of a Long Span Bridge

Case Study 1

Field Studies at CBB

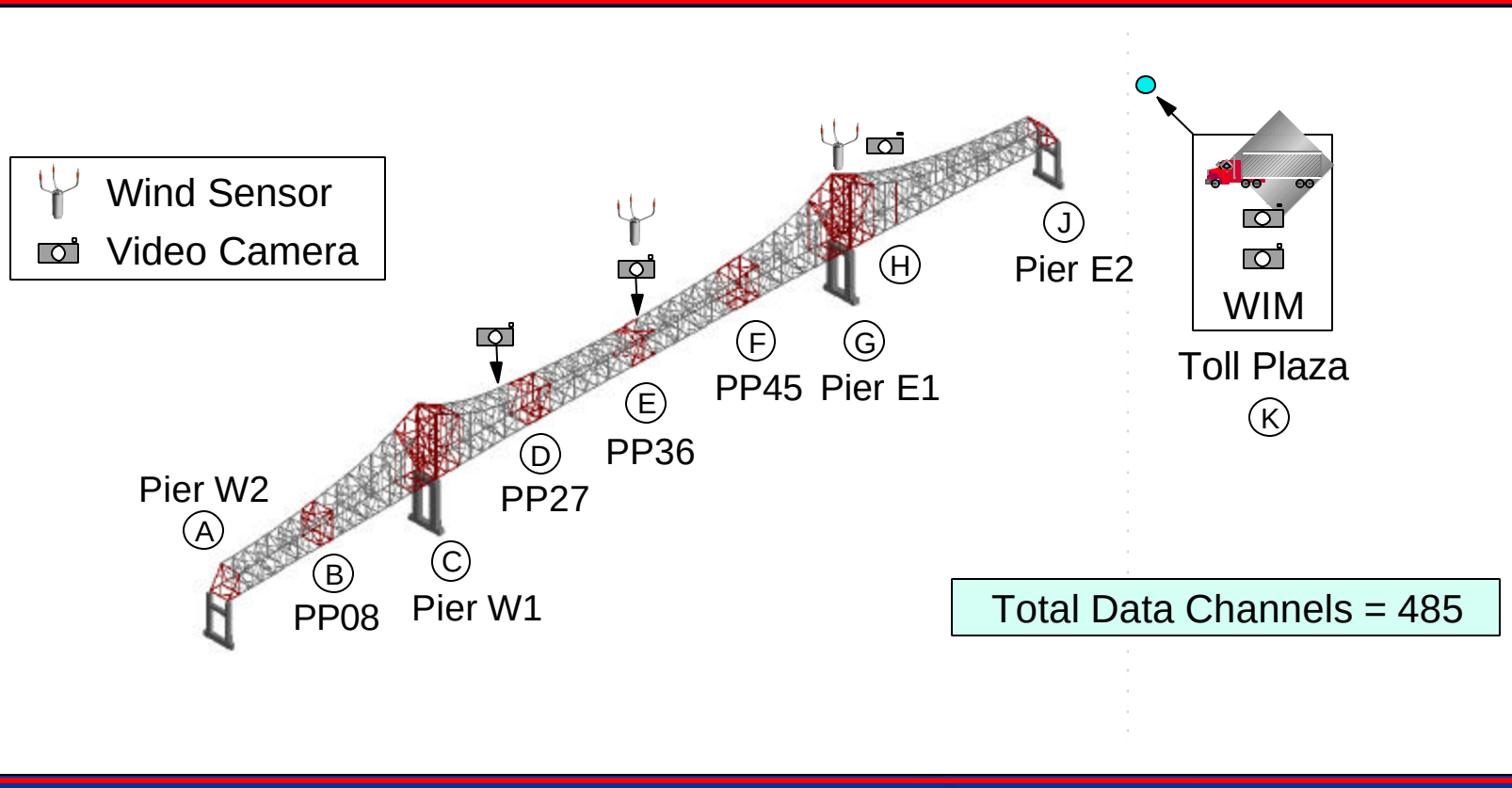
Rock Climbing Gear

Sensor Installation at Tower

Data Acq. During Damper Testing

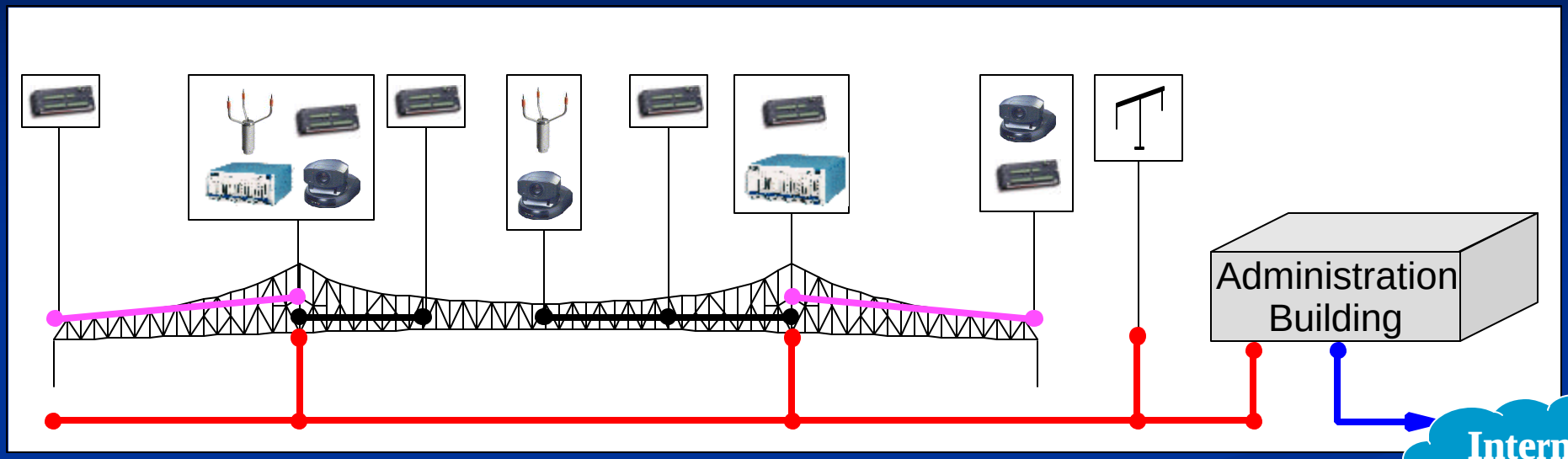
Preparation of the Pier Cabinet for DAQ

CBB Instrumentation Map for the Phenomena to be Measured



PHENOMENA	MEASURAND	SENSOR	QTY	LOCATIONS
Traffic	Image	Video Camera	4	D, E, J
	Speed & Weight	WIM System	2 Lanes	K
Weather	Air Temperature Relative Humidity Solar Radiation	Weather Station	1	G
	Wind Speed & Dir.	Ultrasonic Wind	4	E, G,
Bridge Responses	Live Load Strains	Q.B. Strain Gage	56	C, D, E, F
	Environ. Strains	V.W. Strain Gage	148	A, C, D, E, F, J
	Temperature	Thermistor	201	A, C, D, E, F, G, J
	Displacements	V.W. Crackmeter	17	A, D, F, J
	Tilts	V.W. Tiltmeter	36	A, C, D, F, G, J
	Accelerations	Cap. Accelerometer	16	B, D, F, H

CBB Instrumentation LAN



Campbell CR10X

Optim MEGADAC

Handar 555C

Sony EVI

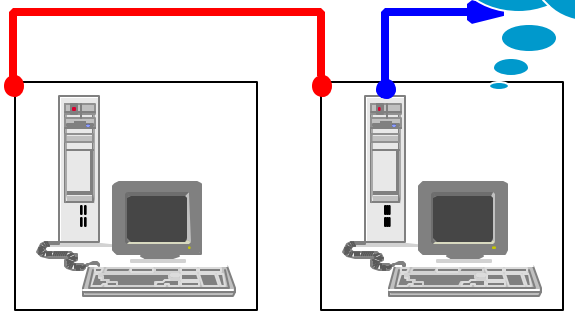
Weigh-In-Motion

Fiber LAN

Internet (T1)

Short Haul Modem

Direct Copper

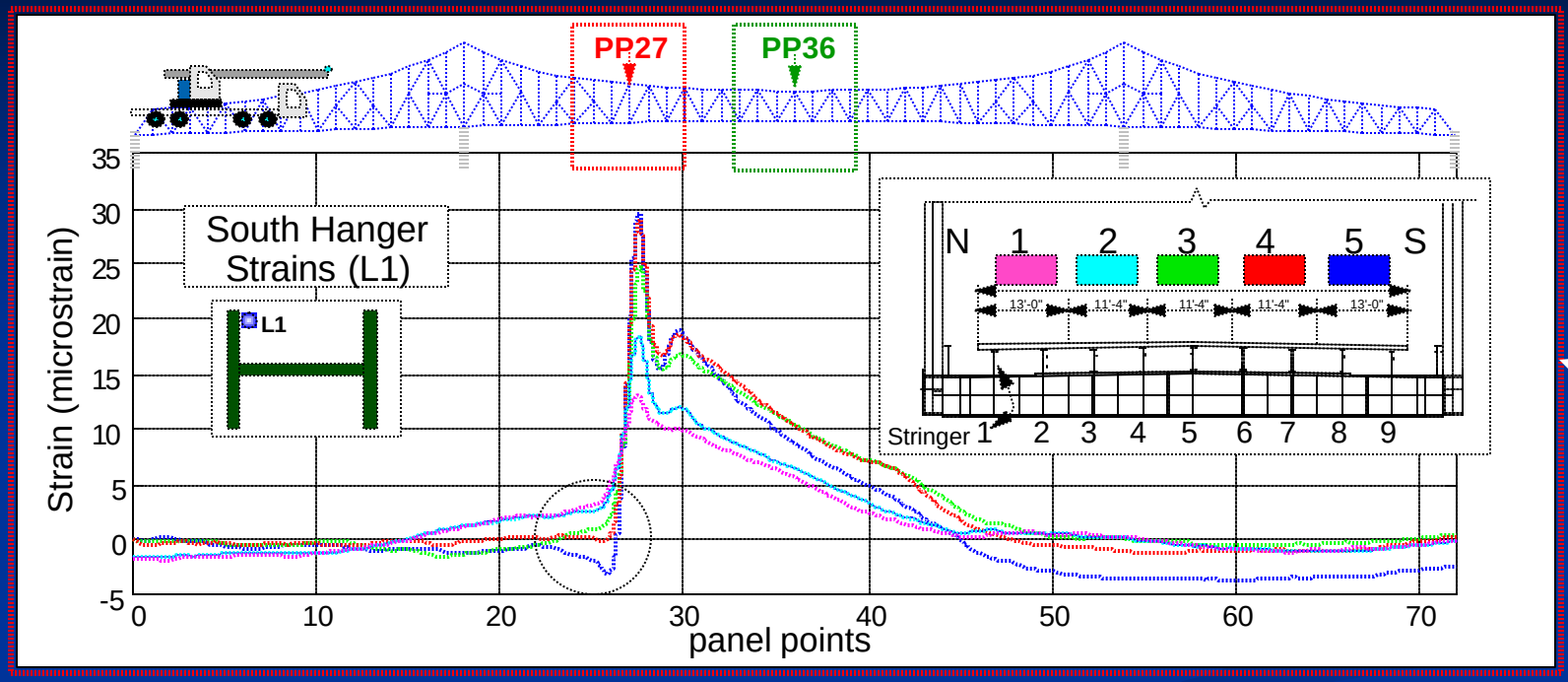


Bridge Module (LabVIEW)

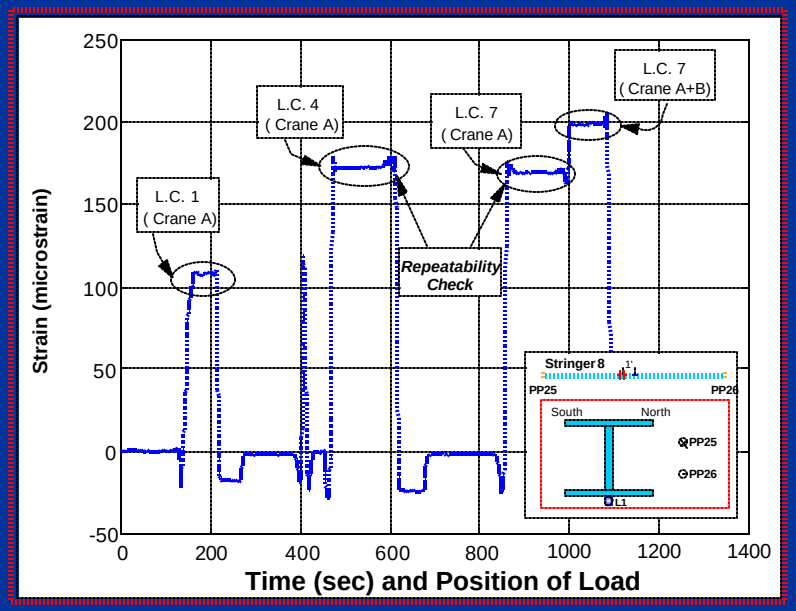
Data Server Module (LabVIEW)

Administration Building

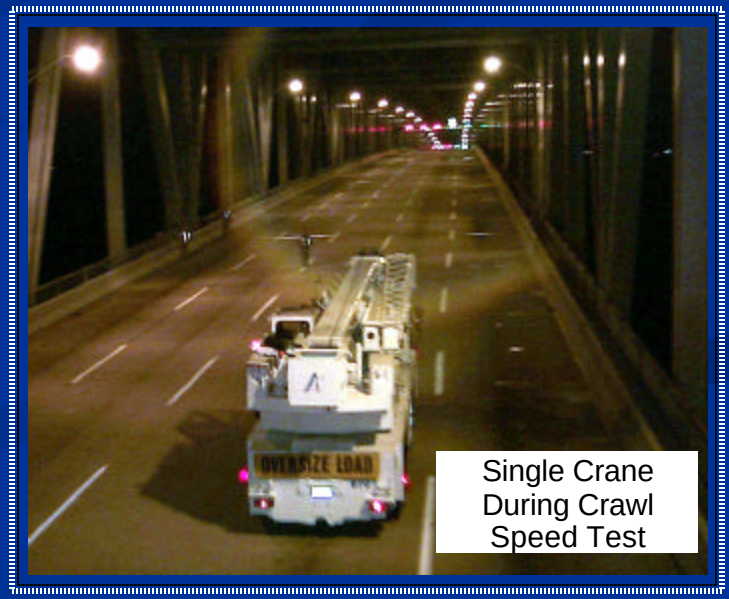
Static and Crawl Speed Load Test



Crawl Speed Test Data for Influence Line Generation



Static Test Data For Stringer b/w PP25-PP26



Single Crane During Crawl Speed Test