



## 5. Problems

- The faculty research assistant (post-doc) that was hired in the spring to assist in completing the project left OSU in the summer to take a tenure-track position at Bradley University.
- Installation of a set of 12 strain gages on US97 adjacent to a bridge over S. Century Drive was abandoned for the following reasons:
  - It was not known until arrival at the site on the morning of the HMA paving operation where the gages could be installed. The contractor began paving the north (upstream) approach to the bridge requiring that the gages be installed downstream of the bridge.
  - With the gages being downstream of the bridge, it was hypothesized that trucks leaving the bridge would have dynamic oscillations in their suspensions that would result in significant fluctuations in the axle loads imparted to the pavement and, hence, potential for confounding the measurements of load and strain data.
  - The location of the outside lane (and hence the fog line) could not be determined from the survey markings nor the plans (i.e., the location of strain gages relative to the fog line could not be determined with any certainty).
  - The topography surrounding the bridge would have required that the instrumentation control box be placed on the median creating a potentially unsafe situation for data collection, particularly during the winter months under snow cover.

## 6. Work Planned for Next Quarter

- Complete analysis of existing data collected thus far.
- Collect additional data from the I-5 MP site for the months of October, November, and December.
- Set up the data acquisition system for the axle sensor strips installed at the I-5 MP 239 site.
- Obtain subgrade soil samples and begin characterization of the materials.

## 7. Finances -SPR Project Summary

VENDOR	FY'06	FY'07	FY'08	TOTALS
ORIGINAL BUDGET				\$ -
REVISED BUDGET	\$ 41,544	\$ 70,700	\$ 12,743	\$ 124,987
EXPENDITURES - VENDOR	\$ 41,544	\$ 70,700	\$ -	\$ 112,244
BALANCE	\$ -	\$ -	\$ 12,743	\$ 12,743
ODOT	FY'06	FY'07	FY'08	TOTALS
ORIGINAL BUDGET	\$ 40,000	\$ 80,000	\$ 40,000	\$ 160,000
REVISED BUDGET	\$ 9,023	\$ 30,062	\$ 15,977	\$ 55,062
EXPENDITURES - ODOT	\$ 9,023	\$ 30,062	\$ 2,144	\$ 41,229
BALANCE	\$ -	\$ -	\$ 13,833	\$ 13,833
PROJECT	FY'06	FY'07	FY'08	TOTALS
ORIGINAL BUDGET	\$ 40,000	\$ 80,000	\$ 40,000	\$ 160,000
REVISED BUDGET	\$ 50,567	\$ 100,762	\$ 28,720	\$ 180,049
EXPENDITURES - PROJECT	\$ 50,567	\$ 100,762	\$ 2,144	\$ 153,473
BALANCE	\$ -	\$ -	\$ 26,576	\$ 26,576