

UDOT Progress Report for the

## State Planning and Research Program

PROJECT TITLE: Determine the Strength of aluminum overhead sign repaired connections after they have withstood fatigue loading at various stress ranges.		
PROJECT MANAGER: Daniel Hsiao	Pooled Fund, UDOT Job #: 4002415D	Project is:  <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> RESEARCH & DEVELOPMENT
<b>Annual Budget</b> Budget for FY2003: N/A  Cost to Date for FY2003	<b>Multi Year Project</b> Total Budget for Project \$70,527 Total Cost to Date for Project \$49,000	
SUMMARY OF COMPLETED ACTIVITIES AND EXPECTED TO BE PERFORMED WORK FOR NEXT QUARTER:  There are four series of tests and two reports of this research. Their status are:  Series I, Two tests of not damaged specimens to failure. This is done. Series II, Fatigue tests of as-is welded aluminum connections with no visible cracks. This is done. Series III, Fatigue tests of cracked aluminum connections from the field repaired with GRFP. This is done. Series IV , Fatigue tests of tack-welded aluminum connections retrofitted with GFRP. This is done Interim report in regard of the above tests. The report is done electronically and attached. Final report is expected to be finished by July, 2003.		
<b>STATUS AND COMPLETION DATE</b>  Percentage of work completed to date for total project Project is: 80  <input checked="" type="checkbox"/> on schedule <input type="checkbox"/> behind schedule, explain:  Expected Completion Date: <u>December 2003</u>		