

No additional funding was received for the project in this reporting period. So the total funding received for the TPF-5(164) study is \$180,000. In this reporting period we continued working on the flow field study using the 3-dimensional (stereo) Particle Image Velocimetry (PIV) system. 3D PIV is used to capture the boundary layer velocities in several cross-sections of the culvert. End of October we had problems with the laser system. The laser had to be fixed and delayed the study for a couple of weeks. In the mean time the laser is again operational and we are continuing the flow field study. We received from CONTECH to culvert pipes for testing. We got 2 six feet sections of a 5' diameter structural plate pipe with 6"x2" annular corrugations and 2 six feet sections of a 30" diameter structural plate pipe with 3"x1" annular corrugations. In the period from 10-01-08 to 12-31-08 no funds were received and no funds were spent.