



# Improved Paint Sprayer System

## District 6

### Problem:

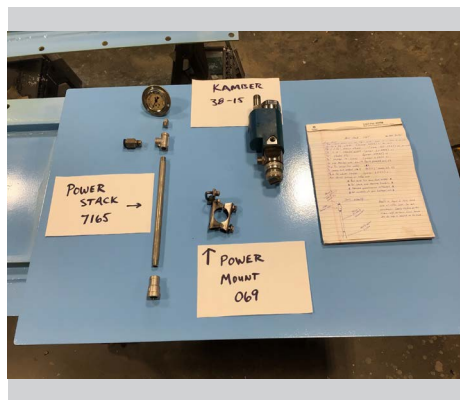
Road striping paint was backing up into the air-atomization supply line on striper trucks using the Kamber 38-15 paint guns, due to inconsistencies in atomization pressure. This caused paint clogging and drying in the atomization system, resulting in increased roadside maintenance needs, significant downtime and atomization system failure.

### Solution:

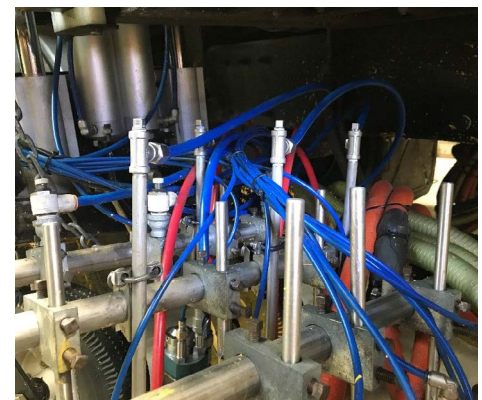
An improved atomization pressure delivery system was created downstream of the operator by raising the connection point of truck-mounted flex air line to a fixed, velocity-creating stack. The stack is easily serviceable and sends consistent atomization pressure to the paint guns, significantly reducing variations that cause paint backups. The new system also features a service port on each atomization line, allowing the operator to quickly identify potential pressure variations and monitor line condition by installing a pressure gauge to the service port.



The stack sends a consistent amount of pressure to the paint guns, reducing backups and clogging.



The system costs roughly \$6.65 in materials per gun. For a truck with six guns, the cost is just under \$40.



The system saves a three- or four-man crew an estimated 4-5 hours a week.