

An Automated Roadway Pavement Marker Placement System

Project Team

Stay Alert Safety Services
Detail Technologies
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Award

\$499,277



What Is It?

The Automated Roadway Pavement Marker Placement System automates the installation of raised pavement markers on roadways.



Stack up markers



Hit the road



Apply adhesive



Place marker

Need

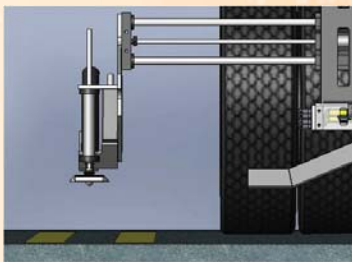
- Traffic delays and vehicle crashes at work zones have resulted in significant economic consequences
- Manual installation of roadway pavement markers is one of the most dangerous activities in the industry

Anticipated advantages to conventional practice

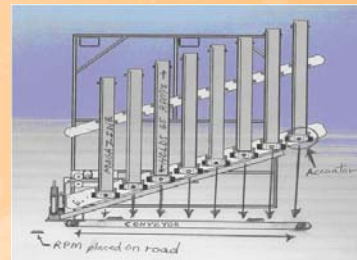
- Removes workers from exposure to traffic
- Reduces congestion by requiring less stoppage on highway
- Cost savings from reduced labor and accelerated installation cycle time

3 of 4

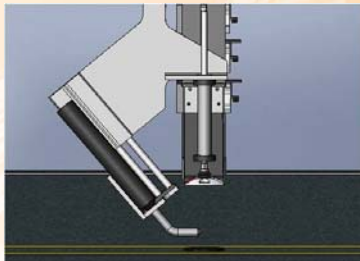
Planned Refinements



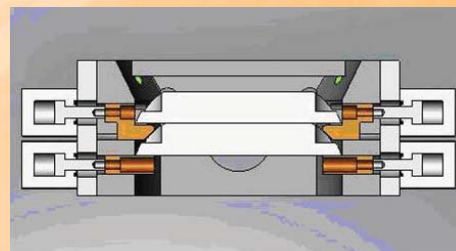
Improved marker delivery system



Redesigned pallet subsystem



Enhanced adhesive subsystem



Improved hydraulic cylinder

4 of 4