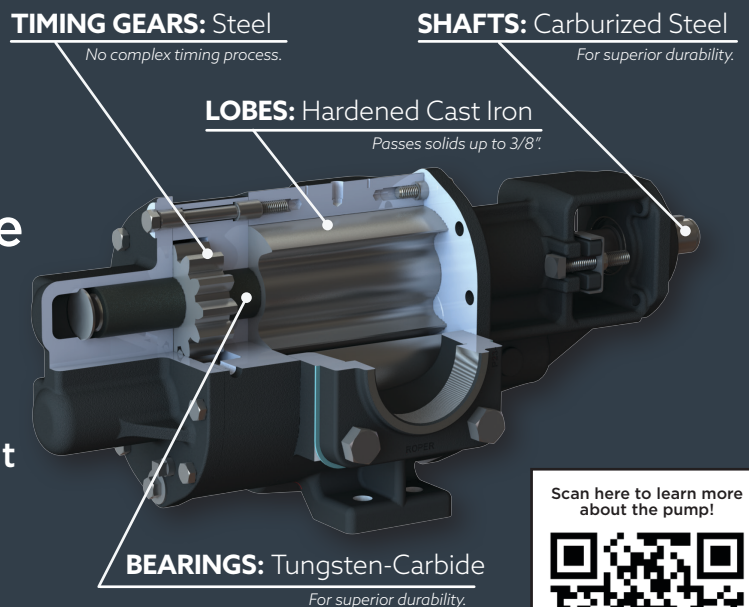




## Game-Changing Pumping Solution for High-Solid Mastic in Road Maintenance Applications

### OVERVIEW

A leading asphalt maintenance equipment manufacturer turned to Roper Pump Company with a challenge: find a reliable solution to pump high-solid mastic—an extremely viscous, aggregate-laden material—without relying on bulky, expensive auger systems.



Scan here to learn more about the pump!



### THE CHALLENGE

Mastic is a dense, polymer-modified asphalt blend containing up to 30% aggregate by volume, with particles as large as 1/4". Its abrasive and non-flowing nature makes it difficult to move using traditional pumping technology. Most operations rely on gravity-fed or auger-based systems, which add cost, complexity, and design limitations.

### THE SOLUTION

Roper Pump engineered a specialized pump solution featuring oversized internal cavities, lobe-style pumping elements, and wear-resistant hardened components. This innovative design handles the abrasive mix and passes the solids with ease, maintaining reliable flow while standing up to tough operating conditions.

### THE RESULTS

The customer successfully eliminated their costly auger-fed system and implemented a simplified, pump-based approach to mastic transfer. The new setup enabled longer-distance material handling from the trailer, increasing flexibility and reducing labor and equipment costs.

### Customer feedback:

*"This pump is going to be a game-changer for the industry."*

