

New 300 Ton/Hr Asphalt Plant in Sheboygan, WI.



NEW 300 TON/HR ASPHALT PLANT

SHEBOYGAN, WI

The Sheboygan County Highway Department faced the challenge of deciding whether to invest in a new asphalt plant or continue upgrading their existing 30+ year old plant. With the assistance of Motion Engineering, Inc., the county completed a Return on Investment (ROI) analysis and opted to construct a new 300 Ton/Hr asphalt plant. Motion Engineering, Inc. was hired as the consulting partner and General Contractor for the project, which had a budget of \$6.5 million.

Motion Engineering, Inc. played a crucial role in various aspects of the project, including:

- **Consulting:** Assisted the county with sourcing bids from multiple Original Equipment Manufacturers (OEMs) for new plants and equipment, ensuring the project stayed within budget.
- **Plant Layout and Erection:** Managed the layout and erection of the new plant.
- **Hot Oil Piping and Electrical Wiring/Install:** Oversaw the installation of hot oil piping and electrical wiring.
- **LP System:** Identified and managed the relocation of the existing LP system to the new site.

This comprehensive approach ensured that the project was completed efficiently and within budget, providing Sheboygan County with a modern and efficient asphalt plant.

PLANT CONTROL SYSTEM UPGRADES

KEWAUNEE, WI

In 2024, the Kewaunee County Highway Department faced significant downtime and inefficiencies with their current plant control system. To address these issues, the county enlisted Motion Engineering, Inc. as a consulting partner to identify the problems and present options for a new plant control system. With a budget of \$300,000, the scope of work included the installation of a new plant control system, a new burner control system, and a complete electrical install with a custom cabinet.

Motion Engineering, Inc. provided a comprehensive solution that integrated the following components:

- Systems Equipment®: Total Systems Control
- Systems Equipment®: Asphalt Drum Mix Process System
- Systems Equipment®: Graphical User-Interface System
- Hauck/Honeywell®: BCS7000 Burner Control System
- Complete Electrical Install mounted in a Custom Cabinet

This approach ensured that the Kewaunee County Highway Department's plant control system was upgraded efficiently, reducing downtime and improving overall plant performance.