

## STEEL DYNAMICS INC.

Fort Wayne, IN

### Project Overview:

Onex Construction was responsible for the complete refractory lining for this walking beam reheat furnace. This was a poured furnace using 14 different types of castable. Onex was able to modify the material so a pumping method could be applied. The skid rails were insulated with weld-on precast shapes. A gunite application was used to insulate the waste gas system and stack. The project took place during the winter months with below freezing temperatures. Onex provided a 7,500 ft<sup>2</sup> heated material tent to ensure acceptable conditions for pumping and gunning refractory materials. The refractory portion of the project was completed in March 2008.

- NEW 200 ton/hour Reheat Furnace
- SMS Furnace Design
- Complete refractory install, including waste gas system and stack
- 81' x 52' Furnace Size
- Completed on-time and on budget in Spring 2008
- 17,521 Man Hours used
- Zero recordable injuries
- 2.06 million pounds of material installed

### References:

**TOM WILCOX**  
*Rolling Mill Engineer SDI*  
260-625-8100

**BOB JOHNSON**  
*Rolling Mill Supervisor SDI*  
260-625-8100

**ENRICO CANEPA**  
*SMS Re-heating Furnaces Chief Supervisor*  
+39 010 2359301

