

IIS-065
Optimized Welds in HPS Steels

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Abstract

The project will help define the geometrical and weld strength parameters that will make optimized welding possible for HPS 100W steel. This will make the cost of steel products more competitive which is of benefit to steel producers and steel fabricators in Pennsylvania for which steelmaking and fabrication of steel structures are important industries. The previous funding period projects focused on one fabrication process, submerged arc welding. This project will extend the work to two additional welding processes, gas metal arc welding and fluxcored arc welding.