

PROJECT CONTROL DOCUMENT – TRP 9807

PROJECT TITLE: Reducing the Variability of HSLA Sheet Steels

PROJECT DESCRIPTION: By accounting for the effects of hot mill processing, the objective of this study is to reduce the variability of the strength of HSLA steels. This will be achieved by intimately relating the strength variability to processing permutations and full characterizations of the resulting components of the microstructures. The result will be a set of guidelines for the design of optimum hot mill processing paths and the possible modification of alloying to reduce yield strength variability.

PRIMARY RESEARCH ORGANIZATION(S):

University of Pittsburgh
Basic and Advanced Metals Processing Research Institute
Pittsburgh, PA

PRINCIPAL INVESTIGATOR(S): Dr. Anthony DeArdo

PROJECT PARTICIPANTS: Hylsa, S.A. de C.V.
LTV Steel
Rouge Steel
US Steel Research

PROJECT DURATION: 59 Months

PROJECT START – END DATE: 4/20/99 – 3/15/04

PROJECT BUDGET (excluding AISI Project Mgmt.): \$548,168

TECHNICAL PROJECT MANAGER: BV Lakshminarayana – AISI Washington

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