AWS D1.4 Interpretation

Subject: Filler metal requirements
Code Edition: D1.4-98
Code Provision: Section 5.1
AWS Log: D1.4-98-I1 (INQ-51)

Inquiry: When welding an ASTM A615 Grade 60 rebar or an ASTM A706 Grade 60 rebar to an A36 plate, what GMAW electrode specification must we use?

Response: In accordance with Paragraph 5.1.2, GMAW electrode ER70S-X should be selected from Table 5.1 based on the lower tensile base metal in the joint, the ASTM A36 plate.