Rationale:

This ballot is being presented to propose an Iron and Steel Equipment Table in the Annex of AASHTO R 18. All other tables that follow will be renumbered and referenced documents updated if this is approved.

Additions to Referenced Documents:

A370, Standard Test Methods and Definitions for Mechanical Testing of Steel Products

E10, Standard Test Method for Brinell Hardness of Metallic Materials

E18, Standard Test Methods for Rockwell Hardness of Metallic Materials

E290, Standard Test Methods for Bend Testing of Material for Ductility

E376, Standard Practice for Measuring Coating Thickness by Magnetic-Field or Eddy Current (Electromagnetic) Testing Methods

F3125, Standard Specification for High Strength Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, Inch Dimensions 120 ksi and 150 ksi Minimum Tensile Strength, and Metric Dimensions 830 MPa and 1040 MPa Minimum Tensile Strength

G62, Standard Test Methods for Holiday Detection in Pipeline Coatings

Table A.X—Iron and Steel Testing Equipment

Equipment	Standard	Requirement	Max. Interval (months)
Brinell Hardness Testing Machine	E10	Standardize as Prescribed in Annex 1	See Table A1.1
Brinell Hardness Indenters	E10	Standardize as Prescribed in Annex 3 by an ISO/IEC 17025 Accredited Agency	See Table A3.1
Rockwell Testing Machine	E18	Standardize as Prescribed in Annex 1	See Table A1.1
Rockwell Diamond Spheroconical Indenter and Rockwell Ball Indenters	E18	Standardize as Prescribed in Annex 3 by an ISO/IEC 17025 Accredited Agency	See Table A3.2
Charpy Impact Machine	A370	Standardize as Prescribed in Annex 2	12
Bending Pins, Mandrels, Rollers	E290	Check Critical Dimensions	12
Bolt Tension Measuring Device (Skidmore)	F3125	Standardize Torque	12
Low and High-Voltage Holiday Detector	G62	Standardize Voltage	12
Peak or Crest Reading Voltmeter	G62	Standardize Resistance	12
Magnetic Thickness Gage	E376	Standardize Thickness Measurements	12