

**Steel Reinforcement**

Type of Construction	Material	Test	Frequency of Acceptance Samples and Tests for Job Control	Construction Stages for Obtaining Sample or Test	Sample Size	Procedures		Remarks
						Sampling Method	Test Methods	
Steel Reinforcement	Reinforcement Steel Bars	Chemical and Physical	Certified test reports for each heat of steel. ALDOT-195; Section 2.3	Prior to installation			Visual for rust, scales and damage	Verify that reinforcing bars were manufactured by an approved steel mill listed in the Materials Sources and Devices Manual with Special Acceptance Requirements Manual List I-12 Submit Certifications to Division Materials Engineer
	Prestressing Strand	Physical	One sample for each 50,000 lb (25,000 kg) of same heat	Sample at the prestress yard prior to use	3-pieces 6 ft. (2 m) long	ALDOT-210	Visual for rust, scales and damage	Submit samples to Division or Central Lab. Use Information Card Form BMT-1
	Wire Mesh	Physical	Certified test reports; ALDOT-195; Section 2.3; If not sample ALDOT-195; Section 2.1.3	Prior to installation	1 piece 24 in (600 mm) x 24 in.(600 mm) for each 8000 yds <sup>2</sup> (7000 m <sup>2</sup> ) or fraction thereof	ALDOT-210	Visual for rust and damage	Submit sample to Central Lab. Use Information Card Form BMT-1
	Welded Steel Wire	Physical	Same as Wire Mesh		1 piece 24 in. (600 mm) x 24 in. (600 mm) for each heat or lot			Submit sample to Central Lab. Use Information Card Form BMT-1
	Fabricated Bar or Rod Mat		Same as Wire Mesh		1 piece 24 in. (600 mm) x 24 in. (600 mm) per each 500 mats or fraction thereof		Visual for rust and damage	Submit sample to Central Lab. Use Information Card Form BMT-1

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	Spiral Reinforcement	Physical	Certified test reports; ALDOT-195; Section 2.3; If not sample ALDOT-195; Section 2.1.3		3 pieces 24 in.(600 mm) long per each heat	ALDOT-210	Visual for rust and damage	Submit sample to Central Lab. Use Information Card Form BMT-1
	Electrodes for Welding	Chemical and Physical	ALDOT-195; Section 2.3 Certified test Report for each lot of electrodes	Prior to use	None	None	Visual for dampness and unsealed containers	Electrodes must meet requirements of AASHTO/AWS D1.5M/D1.5 Bridge Welding Code