

Marshall County #7, Iowa

DIAMETER	GAGE	YEAR INSTALLED	INSPECTION DATE
36" - RIVETED	12 (0.109 IN)	ESTIMATED AT 1953	JUNE, 2013
PROFILE	COATING	SOIL DATA	WATER DATA
2 2/3 X 1/2	ALUMINIZED TYPE 2	PH: 7	PH: 6.7
		RESISTIVITY: 1,330 Ω-CM	RESISTIVITY: 710 Ω-CM
			FHWA ABRASION LEVEL:2
			CHLORIDES: DRY
			CaCO ₃ : DRY



IMAGES:

SOIL SIDE ALUMINUM COATING DATA:



- Surface area coated: 95%
- Minimum thickness: 0.58 mils
- Maximum thickness: 1.38 mils (35 μm)
- Maximum pit depth: 0.84 mils

WATER SIDE ALUMINUM COATING DATA:



- Surface area coated: 90%
- Minimum thickness: 0.00 mils
- Maximum thickness: 1.78 mils (45 μm)
- Maximum pit depth: 1.23 mils

Marshall County #7, Iowa

ULTRA-SONIC PIPE THICKNESS (IN):

- TOP: AVG = 0.114
- INVERT: AVG = 0.110

* Avg of a minimum of 4 readings after cleaning measured using TI-25M Ultrasonic Wall Thickness Gauge

COATING THICKNESS COMPARISON (microns):

- TOP: 44
- INVERT: 17

*Avg of a minimum of 4 readings after cleaning

COMMENTS:

- Pipe in good condition
- No pavement distress
- No further corrosion of previous trepan holes