

Santiam Highway 90+38, Oregon

DIAMETER	GAGE	YEAR INSTALLED	INSPECTION DATE
36"	16 (0.064 IN)	ESTIMATED AT 1985	APRIL, 2013
PROFILE	COATING	SOIL DATA	WATER DATA
2 2/3 X 1/2	ALUMINIZED TYPE 2	PH: N/A	PH: 5.5
		RESISTIVITY: 14,410 Ω-CM	RESISTIVITY: 18,520 Ω-CM
			FHWA ABRASION LEVEL: 3
			CHLORIDES: <1
			CaCO ₃ : 0-40 PPM

IMAGES:



SOIL SIDE ALUMINUM COATING DATA:



- Surface area coated: 30%
- Minimum thickness: 0.00
- Maximum thickness: 0.88 (22 μm)
- Maximum pit depth: 35.50 mils

WATER SIDE ALUMINUM COATING DATA:



- Surface area coated: 5%
- Minimum thickness: 0.00
- Maximum thickness: 0.00
- Maximum pit depth: 51.50 mils

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ULTRA-SONIC PIPE THICKNESS (IN):

- TOP: AVG = 0.055 (0.051, 0.057, 0.055, 0.055, 0.056)
- INVERT (@ 8 o'clock position): AVG = 0.051 (0.048, 0.051, 0.056, 0.050, 0.052)

*Measured using TI-25M Ultrasonic Wall Thickness Gauge

COATING THICKNESS COMPARISON (microns):

- TOP: 35
- INVERT: 37

*Avg of a minimum of 4 readings after cleaning using DCF3000FX

COMMENTS:

- This is a twin barrel installation where both culverts appear to experience high velocity abrasive flow