

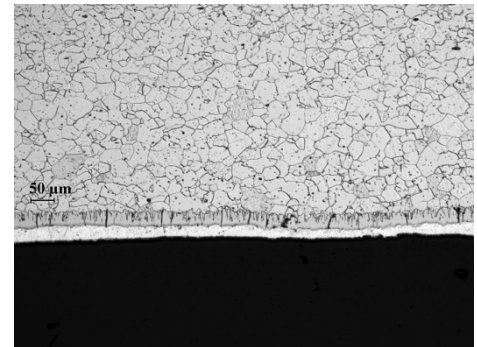
Santiam Highway 104+45 East & West, Oregon

DIAMETER	GAGE	YEAR INSTALLED	INSPECTION DATE
71" X 47" ARCH PAIR	10 (0.0138 IN)	ESTIMATED AT 1985	MAY, 2013
PROFILE	COATING	SOIL DATA	WATER DATA
2 2/3 X 1/2	ALUMINIZED TYPE 2	PH: N/A	PH: 5
		RESISTIVITY: 14,700 Ω -CM	RESISTIVITY: 32,258 Ω -CM
			FHWA ABRASION LEVEL: 3
			CHLORIDES: <1
			CaCO ₃ : 0-40 PPM

IMAGES:



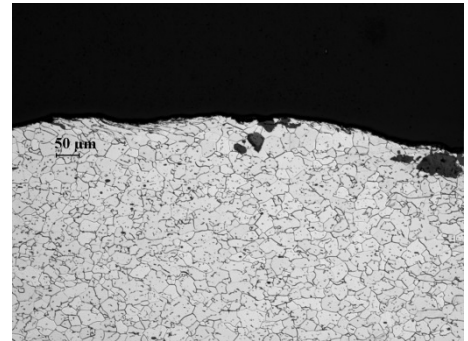
SOIL SIDE ALUMINUM COATING DATA:



- Surface area coated: 100%
 - Minimum thickness: 0.93 mils
 - Maximum thickness: 2.09 mils (53 μ m)
 - Maximum pit depth: 1.16 mils
- *Note: largest visible pit is a result of the removal process

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WATER SIDE ALUMINUM COATING DATA:



- Surface area coated: 10%
- Minimum thickness: 0.00 mils
- Maximum thickness: 0.00 mils (42 μm)
- Maximum pit depth: 20.00 mils

ULTRA-SONIC PIPE THICKNESS (IN):

- TOP: AVG = 0.135 (0.136, 0.135, 0.136, 0.132, 0.134)
 - INVERT: AVG = 0.139 (0.139, 0.137, 0.141)
 - Splash Zone (@ 5 o'clock position) AVG = 0.134 (0.135, 0.135, 0.134, 0.134, 0.134)
- *Measured using TI-25M Ultrasonic Wall Thickness Gauge
**Readings taken from east pipe

COATING THICKNESS COMPARISON (microns):

- TOP: East = 33 West = 38
 - INVERT: East = 9 West = 14
- *Avg of a minimum of 4 readings after cleaning

COMMENTS:

- This is a twin barrel installation where the west pipe appears to receive heavier and faster flow due to the approach angle
- Data presented is from both pipe barrels