

**REQUIREMENTS FOR CORRUGATED STEEL PIPE THICKNESS  
AND PROTECTION AT NON-ABRASIVE SITES**

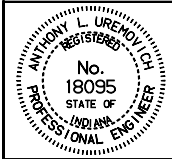
pH	≤4.0	4.5	5.0	5.5	6.0	6.5	≥7.0	Steel Conduit Type
Thickness (in.) required for 50 year Design Service Life				0.168	0.168	0.138	0.109	Zinc Coated Corrugated Steel Pipe Zinc Coated Corrugated Steel Pipe-Arch
			0.138	0.109	0.109	0.079	0.064	Zinc Coated Corrugated Steel Pipe w/Paved Invert Zinc Coated Corrugated Steel Pipe-Arch w/Paved Invert Fully Bituminous Coated and Lined Corrugated Steel Pipe Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch
			0.138	0.109	0.109	0.079	0.064	Aluminum Coated Type 2 Corrugated Steel Pipe Aluminum Coated Type 2 Corrugated Steel Pipe-Arch Polymer Precoated Galvanized Corrugated Steel Pipe Polymer Precoated Galvanized Corrugated Steel Pipe-Arch
	0.109	0.109	0.079	0.064	0.064	0.064	0.064	Fiber Bonded Bituminous Coated Corrugated Steel Pipe Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch
	0.111*	0.111*	0.111*	0.170	0.111	0.111	0.111	Structural Plate Steel Pipe Structural Plate Steel Pipe-Arch

\*—Concrete field paving required

pH	≤4.0	4.5	5.0	5.5	6.0	6.5	≥7.0	Steel Conduit Type
Thickness (in.) required for 75 year Design Service Life						0.168	0.138	Zinc Coated Corrugated Steel Pipe Zinc Coated Corrugated Steel Pipe-Arch
				0.168	0.168	0.138	0.109	Zinc Coated Corrugated Steel Pipe w/Paved Invert Zinc Coated Corrugated Steel Pipe-Arch w/Paved Invert Fully Bituminous Coated and Lined Corrugated Steel Pipe Fully Bituminous Coated and Lined Corrugated Steel Pipe-Arch
				0.168	0.168	0.138	0.109	Aluminum Coated Type 2 Corrugated Steel Pipe Aluminum Coated Type 2 Corrugated Steel Pipe-Arch Polymer Precoated Galvanized Corrugated Steel Pipe Polymer Precoated Galvanized Corrugated Steel Pipe-Arch
	0.168	0.168	0.168	0.138	0.138	0.109	0.109	Fiber Bonded Bituminous Coated Corrugated Steel Pipe Fiber Bonded Bituminous Coated Corrugated Steel Pipe-Arch
	0.111*	0.111*	0.111*	0.218	0.111	0.111	0.111	Structural Plate Steel Pipe Structural Plate Steel Pipe-Arch

\*—Concrete field paving required

Refer to Standard Drawing E 715-PSLC-03 for General Notes.

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>PIPE SERVICE LIFE CRITERIA</b>	
JANUARY 1998	
<b>STANDARD DRAWING NO. E 715-PSLC-01</b>	
	DETAILS PLACED IN THIS FORMAT 11-15-99  /s/ Anthony L. Uremovich 11-15-99 DESIGN STANDARDS ENGINEER DATE  /s/ Firooz Zandi 11-15-99 CHIEF HIGHWAY ENGINEER DATE DESIGN STANDARDS ENGINEER ORIGINALLY APPROVED 1-02-98