County Color Station 4224	nbiana 43.07	Route Station	644	Section 12+52.73	7.95	P10	118153	Shape Soan x Rise	Circular 30													
User pH_ 6.5	Abrasion Level		pits 7,6	Constants and Cal	End of Service Life GA	Service Life Required																
									Metal C	onduit Durability Result:												
Adoteriol	707.01 , 707.02, or 707.03 Metallic coated issivanized)	707.01 or 707.02 or 707.03 Metalic coated (galvanized) with Concrete Field Pavine	707.01 or 707.02 Metallic	***707.01 or 707.02 Metallic coated (aluminized) with Concrete Field Paying		***707,04 Polymeric Coated with Concrete Field Paying	707.05 or 707.07 (707.01 or 707.02 galvanized) 1/2 Biturninous coated with Biturninous paved invert	*** 707.05 or 707.07 (707.01 or 707.02 sluminized) 1/2 Situminous coated with Situminous pawel invert	**707.11 Polymer Precoated spiral rib steel	**707.12 or 707.17	707.13 or 707.14 (707.01 or 707.02 galvanized) Bituminous lined zalvanized steel	707.13 or 707.14 (707.01 or 707.02 aluminized) Bituminous lined aluminized steel	707.15 Galvanized steel box	**707.18 Polymer Precoated, Galvanized Steel Conduits with precoated galvanized smooth steel interior liner	**707.19 Aluminum coated Steel Conduits with precoated galvanized amouth steel interior liner	**707.20 Galvanized Coated Steel Conduits with precoated galvanized smooth steel interior lines	**748.06 Steel Casing	707.21 or 707.22 Aluminum	707.23 Aluminum Structural Plate	707.24 Aluminum Spiral Rib	207.25 Aluminum Box	707.21, 707.22, or 707.23 Aluminum Alloy or Aluminum Alloy Structural Plate with Concrete Invert Pavins
Conduit Use and Shape	Culvert or Liner Pipe - Round or Pipe Arch	Culvert-Round, Pipe Arch, and Arch	Culvert or Liner Pipe -Round or Pipe Arch	Culvert -Round or Pipe Arch	Culvert or Liner Pipe - Round or Pipe Arch	Colvert-Round or Pipe Arch	Culvert -Round or Pipe Arch	Culvert -Round or Pipe Arch	Storm Sewer or Liner Pipe-Round	Liner Pipe-Round or Pipe Arch	Storm Sewer - Round or Pipe Arch	Storm Sewer -Round or Pipe Arch	Culvert -Box	Liner Pipe -Round	Liner Pipe -Round	Liner Pipe - Round	Culvert or Liner Pipe- Round, Pipe Arch, or	Culvert or Liner Pipe- Round or Pipe Arch	Culvert or Liner Pipe - Round, Pipe Arch, and	Storm Sewer or Liner Pipe -Round	Culvert-Box	Culvert - Round or Pipe Arch
Corr. Depth (inches) 1/4 or 1/2 min gauge or thickness 2 3/4	15 N/A N/A N/A	16 N/A N/A N/A	N/A N/A N/A	16 N/A N/A N/A	16 N/A N/A	16 N/A N/A	16 N/A N/A N/A	35 N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 16	16 N/A N/A N/A	15 N/A N/A N/A	N/A N/A N/A	15 N/A N/A	16 N/A N/A N/A	15 N/A N/A N/A	0.5	14 N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	14 N/A N/A
1/4 or 1/2 max gauge or thickness 2 3/4	12 N/A N/A N/A	12 N/A N/A N/A	12 N/A N/A N/A	12 N/A N/A N/A	12 N/A N/A N/A	22 N/A N/A N/A	N/A N/A N/A	22 N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 12	22 N/A N/A N/A	12 N/A N/A N/A	N/A N/A N/A N/A	12 N/A N/A N/A	12 N/A N/A N/A	12 N/A N/A N/A	Q.S	10 N/A N/A N/A	N/A N/A N/A N/A	12 N/A N/A 12	N/A N/A N/A N/A	10 N/A N/A N/A
Goupe Thickness flackes 16 0.064																						
\$ 0.155 7 0.185 5 0.215 3 0.249 1 0.25																						
Casing 0.5																						
Concrete Conduit Durability Results Motorial	Concrete Pipe	Circular Pige	**705.03 Reinforced Concrete Pipe, Eppay Coated	**706.04 Reinforced Concrete Elliptical Colvert, Storm Drain, and Sewer Pipe	** 706.05 Precast Reinforced Concrete Box Sections	705.08 Clay Drain Tile																
Conduit Use and Shape	Culvert or Storm Sewer - Round	Culvet or Storm Sewer - Round	Culvert or Storm Sewer - Round or Elistical	Culvert or Storm Sewer - Elliptical	Culvert or Storm Sewer - Box	Culvert or Storm Sewer - Round																
					Plas	stic Conduit Durability Re	sults								l							
Moterial	707.33 Corrugated Polyethylene Smooth Lined Pipe	707.34 Polyethylene Plastic Pipe Based on Outside Diameter (OD)	707.35 Polyethylene Profile Wall Pipe	707.42 Polyvinyl Chloride Corrugated Smooth Interior Pipe	707.43 Polyvinyl Chloride Profile Wall Pipe	707.45 Polyvinyl Chloride Solid Wall Pipe	707.46 Polyvinyl Chloride Drain Waste and Vent Pipe	707.47 ABS and Polyvinyl Chloride Composite Pipe	707.48 Polyvinyl Chloride Large- Diameter Solid Wall Sine	707.65 Polypropylene corrugated Double Wall Pipe	707.69 Polypropylene Triple Wall Pipe	707.75 Glass-Riber- Reinforced Polymer Mortar Pipe	748.02 Polyvinyl Chloride (PVC) Pipe, Joints, and Fittings	SS938 Steel Reinforced Thermoplastic Ribbed Pipe								
Conduit Use and Shape	Culvert, Storm Sewer, or	Culvert, Storm Sewer, or Lines	Culvert, Storm Sewer, or Liner	Storm Sewer or Liner Pipe -	Storm Sewer or Liner Pipe					Culvert or Storm Sewer -	Culvert or Storm Sewer-	Culvert, Storm Sewer,		Culvert or Liner Pipe -								

Nation:
Many metal logificat are distincted when all ration level equals 4 or greater
Alaments for the available between pit News ranging from 5.00 to see than 10.

Alaments for the available between pit News ranging from 5.00 to see than 10.

Alaments for the available between pit News ranging from 5.00 to see that 10.

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Alaments for the available from pit ranging greater than 15.00 of see than 10.

Options were seen instituted when the 10.00 to see loves of the Calculated or concernment option; typically due to advantage conditions or pit finishings and the control of the

Constants									
Protective Coating Constants-Initial Service Life (years)									
Concrete Invert Pavings	20								
Aluminized+	35								
Aluminized Spiral Rib+	35								
Polymeric*	50								
Bituminous coated w/ bitum, paved invert-	10								
Situmingus lined =	25								
Galvanized+	0								