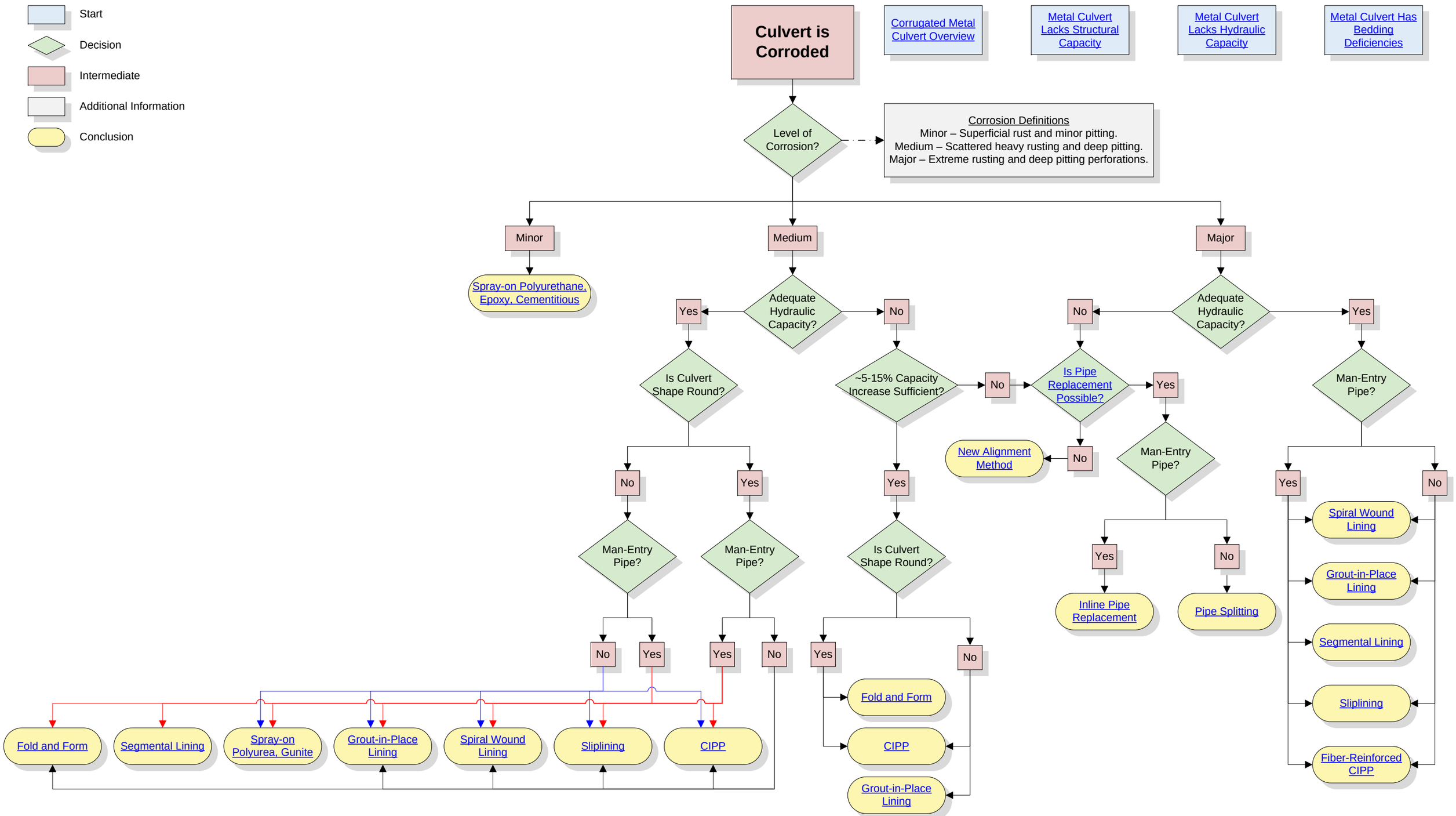
Start
Decision
Intermediate
Additional Information
Conclusion
Culvert is Corroded
Corrugated Metal Culvert Overview
Metal Culvert Lacks Structural Capacity
Metal Culvert Lacks Hydraulic Capacity
Metal Culvert Has Bedding Deficiencies
Level of Corrosion?
Corrosion Definitions
Minor – Superficial rust and minor pitting.
Medium – Scattered heavy rusting and deep pitting.
Major – Extreme rusting and deep pitting perforations.
Minor
Medium
Major
Spray-on Polyurethane, Epoxy, Cementitious
Adequate Hydraulic Capacity?
Yes
No
Is Culvert Shape Round?
~5-15% Capacity Increase Sufficient?
Is Pipe Replacement Possible?
New Alignment Method
Man-Entry Pipe?
Inline Pipe Replacement
Pipe Splitting
Spiral Wound Lining
Grout-in-Place Lining
Segmental Lining
Sliplining
Fiber-Reinforced CIPP
Fold and Form
CIPP
Spray-on Polyurea, Gunite