

Field #	Field Name	Field Explanation
1	LENGTH	Geometric Length of pipe feature
2	OWNER	Owner of pipe
3	LAST_UPDATE	Last date the record was updated
4	STATUS	Status of record in database
5	USE_TYPE	Purpose of pipe in the system
6	PIPE_DIAMETER	Specified diameter of pipe (in)
7	PIPE_DIAMETER_OD_YN	Y/N is the specified pipe diameter the outer diameter
8	PIPE_LENGTH	Length of pipe if different from geometric length (ft)
9	PIPE_THICKNESS	Wall thickness of pipe
10	JOINT_METHOD	Method used to join pipe segments
11	PIPE_TYPE	Specific material, manufacturer, or manufacturing process of pipe
12	PIPE_MATERIAL	General material of pipe
13	PIPE_LINING	Pipe lining as delivered from manufacturer
14	PIPE_PLR_YEAR	Year that pipe was installed
15	PIPE_LOGICAL_CON_YN	Y/N is the feature a pipe or exists only for GIS connectivity
16	SOIL_RES_OHM_CM	Soil Resistivity (ohm-cm)
17	CURRENT_LEAKS_COUNT_PER_FID	Current Leaks Count Per FID Length
18	LEAK_RATE_PER_FID	Leak Rate per 100ft of FID Length =100* FID LeakCount/FID Length
19	PLR_LENGTH	Total Length of Associated PLR (ft)
20	CRNT_LKS_PER_PLR	Current Leaks Count per Associated PLR
21	LEAK_RATE_PER_PLR	Leak Rate Per 1,000ft of PLR Length=1000*PLR_LENGTH/CRNT_LKS_PER_PLR
22	AGE	Pipe Age in Years in 2014
23	UL	Useful Life per Material (yrs)
24	AGE_OVER_UL	Age Over Useful Life Ratio
25	SOIL_RES_SCR	Soil Resistivity Score
26	CNSMD_UL_SCR	Consumed Useful Life Score
27	DIAM_LOF_SCR	Diameter LOF Score
28	LEAK_SCR	Leaks per FID Length Score
29	DIAM_COF_SCR	Diameter COF Score
30	LOF_SCR	LOF Score
31	COF_SCR	COF Score
32	BRE_SCR	BRE Score
33	LOF_GRADE	LOF Grade
34	COF_GRADE	COF Grade
35	BRE_GRADE	BRE Grade
36	UPDATED	Last Update
37	Shape_Length	Feature Length (disregard)

#### Likelihood of Failure

LOF Grade	LOF Score Range	Grade Interpretation
A	[1, 1.81]	Very Low Likelihood of Failure
B	(1.81, 2.52]	Low Likelihood of Failure
C	(2.52, 3.23]	Medium Likelihood of Failure
D	(3.23, 3.94]	High Likelihood of Failure
F	(3.94,5]	Very High Likelihood of Failure

#### Consequence of Failure

COF Grade	COF Score Range	Grade Interpretation
A	[1, 1.68]	Very Low Consequence of Failure
B	(1.68, 2.36]	Low Consequence of Failure
C	(2.36, 3.04]	Medium Consequence of Failure
D	(3.04, 3.72]	High Consequence of Failure
F	(3.72,5]	Very High Consequence of Failure

#### Business Risk Exposure

BRE Score = LOF Score x COF Score

BRE Grade	BRE Score Range	Grade Interpretation
A	[1, 4.624]	Very Low Business Risk Exposure
B	(4.624, 7.648]	Low Business Risk Exposure
C	(7.648, 10.672]	Medium Business Risk Exposure
D	(10.672, 13.696]	High Business Risk Exposure
F	(13.696, 25]	Very High Business Risk Exposure