

WINCHESTER MUNICIPAL UTILITIES
EVALUATION MODEL
SANITARY SEWER FORCE MAIN

Street/Roadway Name: _____

Address Range: _____

Cross Street Range: (if applicable) _____

From Manhole # _____ To Manhole # _____

Criteria	Point Value	Rating
Physical Data		
1. Age (Service Life – 50 Years)		_____
> 50 Years	10	
40-50 Years	8	
30-40 Years	6	
20-30 Years	4	
0-20 Years	0	
2. Pipe Size		_____
< 4-inch diameter	10	
4-inch diameter	5	
> 4-inch diameter	0	
3. Material Type		_____
Orangeburg, Wood	10	
Unlined Cast Iron	7	
Vitrified Clay Pipe (VCP)		
Lined Cast Iron, Reinforced Concrete	3	
Lined Ductile Iron, ABS Truss Pipe, PVC	0	
Level of Service		
4. Potential for Bypass/Surcharge (public health safety)		_____
High	10	
Medium	5	
Low	0	
5. Potential for Inflow		_____
High	10	
Medium	5	

Low 0

6. Depth of Existing Sewer Adequate for Existing Connections _____

No 10

Yes 0

7. Institutional Facility Location _____

Within Project Area 10

Within 500 ft. of Project Area 5

Greater than 500 ft. Outside Project Area 0

Maintenance History

8. Historical Blockage Frequency (HBF)* _____

HBF > 10 10

HBF 2-10 5

HBF < 2 0

* Historical Blockage Frequency = Number of Blockages/MH/Year

9. Pipe Failure Potential _____

High 10

Medium 5

Low 0

10. Jet Rod Ability _____

No 10

Yes 0

Cost Factors

11. Customer Connections/100 ft. _____

≥ 4 Connections/100 ft. 10

3 Connections/100 ft. 7

≤ 2 Connections/100 ft. 3

12. Total Opinion of Cost _____

≤ \$50,000 10

\$50,000 - \$125,000 5

≥ \$125,000 0

Constructability

13. Roadway Classification _____

Residential 10

Collector 5

Arterial	0	
14. Roadway Maintenance		_____
City, County	10	
State	0	
15. Project Location		_____
Roadway Right-of-Way	10	
Rear Yard	0	
16. Easement/Right-of-Way		_____
Yes	10	
No	0	
	Total	_____

WINCHESTER MUNICIPAL UTILITIES
PROJECT PRIORITIZATION
SANITARY SEWER FORCE MAIN

Street/Roadway Name: _____

Address Range: _____

Cross Street Range: (if applicable) _____

Criteria	Rating	X	Importance Factor	=	Priority Points
Physical Data					
1. Age	_____		<u>2</u>		_____
2. Pipe Size	_____		<u>4</u>		_____
3. Material Type	_____		<u>3</u>		_____
Level of Service					
4. Bypasses/Surcharges	_____		<u>10</u>		_____
5. Potential for Inflow	_____		<u>10</u>		_____
6. Depth	_____		<u>7</u>		_____
7. Institutional Facilities	_____		<u>4</u>		_____
Maintenance History					
8. Historical Blockage Freq.	_____		<u>5</u>		_____
9. Pipe Failure Potential	_____		<u>15</u>		_____
10. Jet Rod Ability	_____		<u>10</u>		_____
Cost Factors					
11. Customer Connections	_____		<u>5</u>		_____
12. Project Cost	_____		<u>15</u>		_____
Constructability					
13. Roadway Classification	_____		<u>1</u>		_____
14. Roadway Maintenance	_____		<u>2</u>		_____
15. Project Location	_____		<u>3</u>		_____
16. Easement/Right-of-Way	_____		<u>4</u>		_____
Total Points			<u>100</u>		_____