

WINCHESTER MUNICIPAL UTILITIES  
EVALUATION MODEL  
SANITARY SEWER MANHOLE

Manhole # \_\_\_\_\_

Street/Roadway Name: \_\_\_\_\_

Address Range: \_\_\_\_\_

Criteria	Point Value	Rating
<b>Physical Data</b>		
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. Manhole Lid Material/Condition		_____
Concrete – cracked, not watertight	10	
Steel/Cast Iron – not watertight	8	
Concrete – watertight	4	
Steel/Cast Iron – watertight	0	
3. Trough Obstruction		_____
Large Amounts of Debris	10	
Minimal Debris	5	
No Evident Debris	0	
<b>Level of Service</b>		
4. Number of Inlet Pipes		_____
> 3 Inlet Pipes	10	
2-3 Inlet Pipes	5	
1 Inlet Pipe	2	
5. Potential of Inflow through Manhole walls		_____
High	10	
Medium	5	
Low	0	

**Maintenance History**

6. Historical Blockage Frequency (HBF)*		_____
HBF > 10	10	
HBF 2-10	5	
HBF < 2	0	

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

7. Manhole Failure Potential		_____
High	10	
Medium	5	
Low	0	

**Cost Factors**

8. Total Opinion of Cost		_____
≤ \$10,000	10	
\$10,000 - \$20,000	5	
≥\$20,000	0	

**Constructability**

9. Roadway Classification		_____
Residential	10	
Collector	5	
Arterial	0	

10. Roadway Maintenance		_____
City, County	10	
State	0	

11. Project Location		_____
Roadway Right-of-Way	10	
Rear Yard	0	

12. Easement/Right-of-Way		_____
Yes	10	
No	0	

**Total** \_\_\_\_\_

WINCHESTER MUNICIPAL UTILITIES  
PROJECT PRIORITIZATION  
SANITARY SEWER MANHOLE

Street/Roadway Name: \_\_\_\_\_

Address Range: \_\_\_\_\_

Cross Street Range: (if applicable) \_\_\_\_\_

<b>Criteria</b>	<b>Rating</b>	<b>X</b>	<b>Importance Factor</b>	<b>=</b>	<b>Priority Points</b>
<b>Physical Data</b>					
1. Age	_____		<u>5</u>		_____
2. MH Lid Material	_____		<u>5</u>		_____
3. Trough Obstruction	_____		<u>5</u>		_____
<b>Level of Service</b>					
4. Number of Inlet Pipes	_____		<u>10</u>		_____
5. Potential for Inflow	_____		<u>20</u>		_____
<b>Maintenance History</b>					
6. Historical Blockage Freq.	_____		<u>10</u>		_____
7. Manhole Failure Potential	_____		<u>20</u>		_____
<b>Cost Factors</b>					
8. Project Cost	_____		<u>15</u>		_____
<b>Constructability</b>					
9. Roadway Classification	_____		<u>1</u>		_____
10. Roadway Maintenance	_____		<u>2</u>		_____
11. Project Location	_____		<u>3</u>		_____
12. Easement/Right-of-Way	_____		<u>4</u>		_____
<b>Total Points</b>			<u><b>100</b></u>		_____