









### M-59 Noise Barrier Rating Form

Noise Barrier # 5 Total Score: 96

Location: South of M-59, between Auburn Road and Rochester Road

Total possible points for this rating form is 150

	Score Range	Rater Score	Weight	Total Points
<b>1 Predicted peak noise levels w/o barrier (per updated MDOT report)</b>				
73 to 77 dbA	5	5	5	25
68 to 72 dbA	4			
less than 68 dbA	3			
<b>2 Number of first floor attenuated units (per updated MDOT report)</b>				
greater than 40	5	4	5	20
26 to 40	4			
11 to 25	3			
less than 11	2			
<b>3 Cost per benefitting unit (per updated MDOT study)</b>				
less than \$45,000	5	4	5	20
\$45,001 - \$60,000	4			
\$60,001 - \$75,000	3			
\$75,001 - \$90,000	2			
greater than \$90,000	1			
<b>4 Number of first floor home sites within 500 feet</b>				
50 or greater	5	3	4	12
40 to 49	4			
30 to 39	3			
20 to 29	2			
less than 20	1			
<b>5 Public areas within 500 ft of M59 (multi count possible, max 5 items)</b>				
School or Licensed Daycare	2	0	4	0
Church	1			
Clubhouse or Swimming Pool	1			
Common Area / Park/ Pavillion / Event Center	1			
Tennis Courts	1			
Walking / Bike trails	1			
<b>6 Elevation difference between first homes and M-59 (plurality)</b>				
M-59 is typically lower than home ground elevations by 6 feet	5	3	3	9
M-59 is typically within 6 feet of home ground elevations	3			
M-59 is typically higher than home ground elevations by 6 feet	1			
<b>7 Is a berm or other alternative feasible?</b>				
Yes - full berm	5	0	2	0
Yes - partial berm	3			
No	0			
<b>8 Maintenance access rating for the proposed wall location</b>				
Good - road access from both sides	5	5	2	10
Fair - easy access from M59, but no road access behind	3			
Poor - difficult from both sides	0			

### M-59 Noise Barrier Rating Form

Noise Barrier # 6A Total Score: 106

Location: South of M-59, between Rochester & John R (located along edge of shoulder)

Total possible points for this rating form is 150

	Score Range	Rater Score	Weight	Total Points
<b>1 Predicted peak noise levels w/o barrier (per updated MDOT report)</b>				
73 to 77 dbA	5	5	5	25
68 to 72 dbA	4			
less than 68 dbA	3			
<b>2 Number of first floor attenuated units (per updated MDOT report)</b>				
greater than 40	5	5	5	25
26 to 40	4			
11 to 25	3			
less than 11	2			
<b>3 Cost per benefitting unit (per updated MDOT study)</b>				
less than \$45,000	5	5	5	25
\$45,001 - \$60,000	4			
\$60,001 - \$75,000	3			
\$75,001 - \$90,000	2			
greater than \$90,000	1			
<b>4 Number of first floor home sites within 500 feet</b>				
50 or greater	5	4	4	16
40 to 49	4			
30 to 39	3			
20 to 29	2			
less than 20	1			
<b>5 Public areas within 500 ft of M59 (multi count possible, max 5 items)</b>				
School or Licensed Daycare	2	0	4	0
Church	1			
Clubhouse or Swimming Pool	1			
Common Area / Park/ Pavillion / Event Center	1			
Tennis Courts	1			
Walking / Bike trails	1			
<b>6 Elevation difference between first homes and M-59 (plurality)</b>				
M-59 is typically lower than home ground elevations by 6 feet	5	3	3	9
M-59 is typically within 6 feet of home ground elevations	3			
M-59 is typically higher than home ground elevations by 6 feet	1			
<b>7 Is a berm or other alternative feasible?</b>				
Yes - full berm	5	0	2	0
Yes - partial berm	3			
No	0			
<b>8 Maintenance access rating for the proposed wall location</b>				
Good - road access from both sides	5	3	2	6
Fair - easy access from M59, but no road access behind	3			
Poor - difficult from both sides	0			

### M-59 Noise Barrier Rating Form

Noise Barrier # 8 Total Score: 118

Location: North of M-59, between Dequindre Road and Thelma G Spencer Park

Total possible points for this rating form is 150

	Score Range	Rater Score	Weight	Total Points
<b>1 Predicted peak noise levels w/o barrier (per updated MDOT report)</b>				
73 to 77 dbA	5	4	5	20
68 to 72 dbA	4			
less than 68 dbA	3			
<b>2 Number of first floor attenuated units (per updated MDOT report)</b>				
greater than 40	5	4	5	20
26 to 40	4			
11 to 25	3			
less than 11	2			
<b>3 Cost per benefitting unit (per updated MDOT study)</b>				
less than \$45,000	5	5	5	25
\$45,001 - \$60,000	4			
\$60,001 - \$75,000	3			
\$75,001 - \$90,000	2			
greater than \$90,000	1			
<b>4 Number of first floor home sites within 500 feet</b>				
50 or greater	5	5	4	20
40 to 49	4			
30 to 39	3			
20 to 29	2			
less than 20	1			
<b>5 Public areas within 500 ft of M59 (multi count possible, max 5 items)</b>				
School or Licensed Daycare	2	2	4	8
Church	1			
Clubhouse or Swimming Pool	1			
Common Area / Park/ Pavillion / Event Center	1			
Tennis Courts	1			
Walking / Bike trails	1			
<b>6 Elevation difference between first homes and M-59 (plurality)</b>				
M-59 is typically lower than home ground elevations by 6 feet	5	3	3	9
M-59 is typically within 6 feet of home ground elevations	3			
M-59 is typically higher than home ground elevations by 6 feet	1			
<b>7 Is a berm or other alternative feasible?</b>				
Yes - full berm	5	3	2	6
Yes - partial berm	3			
No	0			
<b>8 Maintenance access rating for the proposed wall location</b>				
Good - road access from both sides	5	5	2	10
Fair - easy access from M59, but no road access behind	3			
Poor - difficult from both sides	0			





## M-59 Noise Barrier Rating Form

Noise Barrier # 11 Total Score: 68

Location: North of M-59 and west of Rochester Road

Total possible points for this rating form is 150

	Score Range	Rater Score	Weight	Total Points
<b>1 Predicted peak noise levels w/o barrier (per updated MDOT report)</b>				
73 to 77 dbA	5	5	5	25
68 to 72 dbA	4			
less than 68 dbA	3			
<b>2 Number of first floor attenuated units (per updated MDOT report)</b>				
greater than 40	5	3	5	15
26 to 40	4			
11 to 25	3			
less than 11	2			
<b>3 Cost per benefitting unit (per updated MDOT study)</b>				
less than \$45,000	5	1	5	5
\$45,001 - \$60,000	4			
\$60,001 - \$75,000	3			
\$75,001 - \$90,000	2			
greater than \$90,000	1			
<b>4 Number of first floor home sites within 500 feet</b>				
50 or greater	5	1	4	4
40 to 49	4			
30 to 39	3			
20 to 29	2			
less than 20	1			
<b>5 Public areas within 500 ft of M59 (multi count possible, max 5 items)</b>				
School or Licensed Daycare	2	1	4	4
Church	1			
Clubhouse or Swimming Pool	1			
Common Area / Park/ Pavillion / Event Center	1			
Tennis Courts	1			
Walking / Bike trails	1			
<b>6 Elevation difference between first homes and M-59 (plurality)</b>				
M-59 is typically lower than home ground elevations by 6 feet	5	3	3	9
M-59 is typically within 6 feet of home ground elevations	3			
M-59 is typically higher than home ground elevations by 6 feet	1			
<b>7 Is a berm or other alternative feasible?</b>				
Yes - full berm	5	0	2	0
Yes - partial berm	3			
No	0			
<b>8 Maintenance access rating for the proposed wall location</b>				
Good - road access from both sides	5	3	2	6
Fair - easy access from M59, but no road access behind	3			
Poor - difficult from both sides	0			

### M-59 Noise Barrier Rating Form

Noise Barrier # 12 Total Score: 71

Location: East of M-59, St. Paul Albanian Catholic Church and south of Auburn Road

Total possible points for this rating form is 150

	Score Range	Rater Score	Weight	Total Points
<b>1 Predicted peak noise levels w/o barrier (per updated MDOT report)</b>				
73 to 77 dbA	5	4	5	20
68 to 72 dbA	4			
less than 68 dbA	3			
<b>2 Number of first floor attenuated units (per updated MDOT report)</b>				
greater than 40	5	2	5	10
26 to 40	4			
11 to 25	3			
less than 11	2			
<b>3 Cost per benefitting unit (per updated MDOT study)</b>				
less than \$45,000	5	2	5	10
\$45,001 - \$60,000	4			
\$60,001 - \$75,000	3			
\$75,001 - \$90,000	2			
greater than \$90,000	1			
<b>4 Number of first floor home sites within 500 feet</b>				
50 or greater	5	1	4	4
40 to 49	4			
30 to 39	3			
20 to 29	2			
less than 20	1			
<b>5 Public areas within 500 ft of M59 (multi count possible, max 5 items)</b>				
School or Licensed Daycare	2	2	4	8
Church	1			
Clubhouse or Swimming Pool	1			
Common Area / Park/ Pavillion / Event Center	1			
Tennis Courts	1			
Walking / Bike trails	1			
<b>6 Elevation difference between first homes and M-59 (plurality)</b>				
M-59 is typically lower than home ground elevations by 6 feet	5	3	3	9
M-59 is typically within 6 feet of home ground elevations	3			
M-59 is typically higher than home ground elevations by 6 feet	1			
<b>7 Is a berm or other alternative feasible?</b>				
Yes - full berm	5	0	2	0
Yes - partial berm	3			
No	0			
<b>8 Maintenance access rating for the proposed wall location</b>				
Good - road access from both sides	5	5	2	10
Fair - easy access from M59, but no road access behind	3			
Poor - difficult from both sides	0			

### M-59 Noise Barrier Rating Form

Noise Barrier # 13 Total Score: 94

Location: North of M-59, west of Livernois Road

Total possible points for this rating form is 150

	Score Range	Rater Score	Weight	Total Points
<b>1 Predicted peak noise levels w/o barrier (per updated MDOT report)</b>				
73 to 77 dbA	5	5	5	25
68 to 72 dbA	4			
less than 68 dbA	3			
<b>2 Number of first floor attenuated units (per updated MDOT report)</b>				
greater than 40	5	3	5	15
26 to 40	4			
11 to 25	3			
less than 11	2			
<b>3 Cost per benefitting unit (per updated MDOT study)</b>				
less than \$45,000	5	3	5	15
\$45,001 - \$60,000	4			
\$60,001 - \$75,000	3			
\$75,001 - \$90,000	2			
greater than \$90,000	1			
<b>4 Number of first floor home sites within 500 feet</b>				
50 or greater	5	3	4	12
40 to 49	4			
30 to 39	3			
20 to 29	2			
less than 20	1			
<b>5 Public areas within 500 ft of M59 (multi count possible, max 5 items)</b>				
School or Licensed Daycare	2	2	4	8
Church	1			
Clubhouse or Swimming Pool	1			
Common Area / Park/ Pavillion / Event Center	1			
Tennis Courts	1			
Walking / Bike trails	1			
<b>6 Elevation difference between first homes and M-59 (plurality)</b>				
M-59 is typically lower than home ground elevations by 6 feet	5	3	3	9
M-59 is typically within 6 feet of home ground elevations	3			
M-59 is typically higher than home ground elevations by 6 feet	1			
<b>7 Is a berm or other alternative feasible?</b>				
Yes - full berm	5	0	2	0
Yes - partial berm	3			
No	0			
<b>8 Maintenance access rating for the proposed wall location</b>				
Good - road access from both sides	5	5	2	10
Fair - easy access from M59, but no road access behind	3			
Poor - difficult from both sides	0			

