

M-59 Noise Barrier Rating Form (DRAFT VERSION Dec-03-09)

Location: _____ Total Score: _____ -

Total Possible Points 1 - 10: 138

	Score Range	Rater Score	Weight	Total Points
1 Predicted peak noise levels (per updated MDOT report) 73 to 77 dBA 68 to 72 dbA less than 68 dBA	5 3 1	-	5	-
2 Number of attenuated units (per updated MDOT report) greater than 40 26 to 40 11 to 25 less than 11	5 4 3 2	-	4	-
3 Public areas within 500 ft of M59 (multi count possible, max 15) School or Daycare Church Clubhouse Swimming Pool Common Area / Park/ Pavilion / Event Center Tennis Courts Walking / Bike trails	1 1 1 1 1 1 1	-	3	-
4 Elevation difference between first homes and M-59 M-59 is typically lower than home ground elevations by 6 feet M-59 is typically within 6 feet of home ground elevations M-59 is typically higher than home ground elevations by 6 feet	5 3 1	-	2	-
5 Number of homes within 500 feet of M-59 50 or greater 40 to 49 30 to 39 20 to 29 less than 20	5 4 3 2 1	-	4	-
6 Does the wall location provide suitable maintenance access Good - road access from both sides Fair - easy access from M59, but no road access behind Poor - difficult from both sides	5 3 0	-	1	-
7 Cost per benefitting unit (per updated MDOT study) less than \$45,000 \$45,001 - \$60,000 \$60,001 - \$75,000 \$75,001 - \$90,000 greater than \$90,000	5 4 3 2 1	-	5	-
8 Is a berm or other alternative feasible? Yes - full berm Yes - partial berm No	5 3 0	-	2	-
9 Other considerations: No existing berm or no other noise obstruction Loss of existing obstruction through construction Reflection of approved noise barrier on opposite side	1 1 1	-	?	
10 Possible future category consideration - subdivision cost share? 50% subdivision cost participation 25% subdivision cost participation no cost share	5 3 0	-	?	-