

A) Noise level-based criteria

Predicted peak noise levels per MDOT report
Largest reduction in sound level if wall is built
Reflection of approved noise barrier on opposite side of road
of affected residents within 500 feet
of benefitting dwelling units within 500 feet
Number of adjacent residents within 500 feet of M-59
Number of homes within 200 feet of nearest M-59 thru lane
Elevation differences between first homes and M-59
Typical height of adjacent homes
Public uses available within 500 feet of wall

- Pool/Tennis courts
- Common areas/walking trails
- School/Daycare/Church

B) Financially-based criteria

Taxable value of homes within 500 feet
SEV of homes within 500 feet
Taxable value of benefitting homes within 500 feet
SEV of benefitting homes within 500 feet
Average assessed value of homes within 500 feet of M-59
Estimated taxable value reduction for homes within 500 feet (w/o barrier)

C) Wall cost-based criteria

Cost of wall per affected resident
Cost of wall per benefitting dwelling unit
Cost per benefitting parcel (MDOT “reasonable” criteria)
Subdivision cost share
Length of proposed wall construction
Does the wall location provide suitable maintenance access?
Proposed noise barrier construction type

D) Other considerations