

UPDATED FROM MDOT REPORT

Table 7

**Acoustical Mitigation, Noise Barrier Locations Analyzed
M-59 Crooks Road to Ryan Road, Oakland and Macomb Counties, MI**

Noise Barrier Number	Figure #	Locations	Existing Leq(1h) Noise	Range of Future		Noise Reduction	Barrier		Cost	Number of Units Attenuated	Cost/Unit
				w/o Barrier	Barrier		Length (ft)	Height (ft)			
NB-1	3, 4	South of M-59, Dearborn to Simpson Dr	70 - 73	72 - 75	65 - 67	7 - 10	1,132	9 - 18	\$702,543	7	\$100,365
NB-2	3, 4	South of M-59, Lutheran High School NW, west of Livernois Rd.	66 - 68	68 - 71	61	7 - 10	1,434	12 - 21	\$1,036,382	10	\$103,640
NB-3	4, 5	South of M-59, between Livernois Rd. and Auburn Rd.	66 - 72	64 - 76	59 - 65	5 - 12	1,608	12 - 18	\$943,674	14	\$67,405
NB-4	5	West of M-59 and south of Auburn Rd.	63 - 71	66 - 75	61 - 65	5 - 10	1,701	6 - 15	\$929,041	19	\$48,900
NB-5	5, 6	South of M-59, between Auburn Rd. and Rochester Rd.	63 - 71	65 - 75	60 - 67	5 - 10	2,853	9 - 15	\$1,644,989	28	\$58,750
NB-6a	6	South of M-59, between Rochester Rd. & John R, located at right-of-way.	58 - 73	61 - 76	56 - 65	5 - 11	2,863	9 - 15	\$1,685,623	55	\$30,648
NB-8	8	North of M-59, between Dequindre Rd. and Thelma G Spencer Park	54 - 67	57 - 71	52 - 65	5 - 10	1,689	15 - 24	\$1,174,840	40	\$29,371
NB-9	7, 8	North of M-59, between Thelma G Spencer Park and John R.	58 - 68	61 - 71	56 - 63	5 - 10	2,783	12 - 21	\$1,856,202	18	\$103,122
NB-10	6, 7	North of M-59, between John R. and Joshua Dr.	59 - 69	63 - 74	57 - 68	5 - 10	4,562	9 - 15	\$2,603,612	44	\$59,173
NB-11	5, 6	North of M-59 and west of Rochester Rd.	63 - 73	67 - 77	63 - 65	5 - 13	2,083	12 - 18	\$1,294,407	13	\$99,570
NB-12	5	East of M-59, St. Paul Albanian Catholic Church, south of Auburn Rd.	65 - 67	68 - 70	61 - 63	6 - 8	1,069	21	\$839,630	10	\$83,963
NB-13	3, 4	North of M-59, west of Livernois Road.	63 - 71	66 - 74	61 - 65	5 - 10	1,555	12 - 18	\$971,385	15	\$64,759

Approved walls by MDOT