

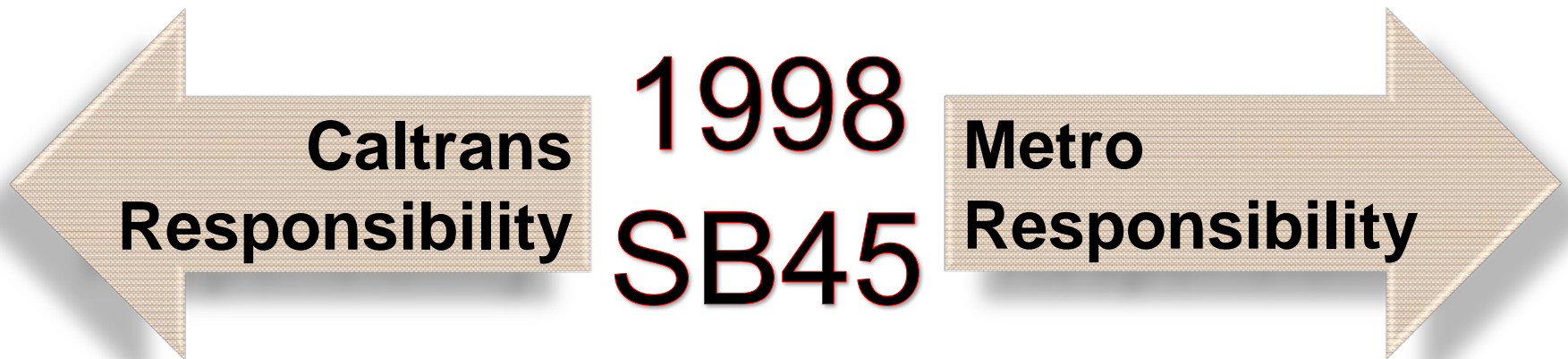
Metro Soundwall Program

Highway Program
February 2019



Soundwall Program History

- Soundwalls are constructed:
 1. as part of the **new freeway capacity enhancement projects** where warranted per established criteria, or
 2. as **retrofit** for protection of eligible residential neighborhoods constructed before an adjacent freeway





Soundwall Program History



Post May 1989 Phase I and II soundwall priority lists

- **Phase I** – Soundwalls where HOV lanes were constructed without the required soundwalls
 - [Priority 1](#): Soundwalls were constructed on one side of the freeway only
 - [Priority 2](#): Soundwalls were not constructed
 - [Priority 3](#): Soundwalls that met the requirements to be in Phase I but were identified after establishment of the initial Phase I list
- **Phase II** – All other soundwalls



Eligibility Criteria for Soundwall Construction



Feasibility Test - A soundwall of a reasonable height constructed adjacent to a freeway must be able to attenuate noise.

- 1. Noise Level Threshold** - A minimum noise level of 67 dBA for one hour (the highest one hour noise reading)
- 2. Noise Reduction:** Min. 5 dBA reduction with a proposed wall
- 3. Cost Feasibility** - Max. \$92,000 cost per dwelling unit.



Soundwall Project Funding & Delivery



1. Noise Investigation
2. Prepare Noise Barrier Scope Summary Report (NBSSR) to identify the proposed size and locations of soundwalls, environmental and other impacts, and provide the estimated cost
3. Priority assignment
4. Funding to proceed to design and construction phases

Construction Requirements



Alternative Materials



Soundwall Program Status



Phase/Package	Status
Phase I, Priority 1, Packages 1-8	Completed
Phase I, Priority 2, Package 10	In Design
Phase I, Priority 2, Package 11	In Construction (Package 9 Scope included in Package 11)
Phase I, Priority 2, Packages 12-14	NBSSR Completed Not Funded for Design or Construction
Phase I, Priority 3	List not funded/not prioritized
Phase II	List not funded/not prioritized

Remaining Walls Phase I



Priority 2

<u>Pkg</u>	<u>Route</u>	<u>Miles</u>	
12	210	1.7	Glendora
13	405	9	Long Beach, Carson
14	134	<u>0.6</u>	Eagle Rock
		11.3	NET: 4.06 miles

Priority 3

57	7.8	Diamond Bar
91	5.6	Bellflower
118	13.8	Los Angeles
134	0.6	Toluca Lake, Burbank
405	<u>0.7</u>	Long Beach, Los Angeles
	28.5	NET: 7.6 miles



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Total Miles: 39.8 (NET: 11.66)

Remaining Walls Phase II



<u>Route</u>	<u>Miles</u>	<u>Jurisdiction</u>
2	9.2	Los Angeles
5	10.2	Los Angeles
10	38.33	Santa Monica, LA, Alhambra, Monterey Park
14	8.4	Los Angeles, Lancaster
47	1.2	Los Angeles
57	2.8	Pomona
60	7.3	Los Angeles
71	1.7	Pomona
90	2.6	Los Angeles
91	0.12	Cerritos
101	14.77	Los Angeles, SFV, Calabasas
105	10.52	Los Angeles, Hawthorne, Lynwood, Willowbrook
110	18.55	Los Angeles, San Pedro
118	0.2	Los Angeles, Chatsworth
134	1.29	Los Angeles, Burbank, Glendale
210	42.6	Los Angeles, Glendale, Pasadena, Arcadia, Glendora,
405	3.04	Los Angeles, Long Beach
605	3.05	Lakewood, Pico Rivera, Whittier, Norwalk
710	<u>2.4</u>	Bell, South Gate
	178.27	(NET: 68.8 miles)





Soundwall Cost



- ❑ Current cost (design and construction):
 - \$10 Million/mile if placed adjacent to the freeway shoulder
 - \$20 Million/mile if on bridge structures or retaining walls

 - Phase I: \$216.6 - \$433.2 million
 - Phase II: \$688 million - \$1.3 billion

- ❑ Funds in LRTP (starting in 2024): \$350.8 million

Soundwall Funding



Eligible Fund Source	Eligible Phase	Comments
Prop. C 25% & RIP	I	2024-2040 Years New Funding is Available
Measure R		
Metro Allocation	I & II	\$17.3 (2024). Nearly all funds are programmed to other projects and programs
Subregional Highway Funds & Local Return	I & II	Only Arroyo Verdugo and Gateway Cities have programmed part of their allocations to build soundwalls
Measure M		
Subregional Highway Funds & Local Return	I & II	Guidelines Developed. Local return may be used to build soundwalls.
SB 1 Local Partnership Program	I & II	LPP Funds a broad variety of projects. Limited funding availability, soundwalls have to compete.





For More Information

Soundwall Program Webpage:
<https://www.metro.net/projects/soundwalls>

