



## **MVP Southgate Amendment Project**

Docket No. CP25-60-000

### **Attachment IP-9**

## **Summary of Predicted Sound Levels with Sound Barrier Mitigation**

March 2026

Bore Location	NSA	Predicted Unmitigated Sound Level –24-Hour Construction, dBA		Predicted dBA With Barrier Wall(s)	Barriers required at Entry? Exit? Both?	Total Barrier Length (ft)	Notes
		Night	L <sub>dn</sub>				
MP 0.4	1	48.6	55.0	N/A			
	2	43.2	49.6	N/A			
MP 0.8	1	54.3	60.7	44.6	Both	1665	Barrier along N and S of both Entry and Exit Bores
	2	55.6	62.0	49.3			
MP 2.0	1	53.7	60.1	46.4	Both	630	Barrier along N side of Entry and Exit Bores
MP 4.3	1	48.6	55.0	53.5	Both	1100	U - shaped barrier around both entry and exit bores
	2	62.3	68.7	50.0			
	3	53.2	59.6	46.9			
	4	54.2	60.6	47.8			
	5	52.7	59.1	43.4			
MP 5.3	2	44.5	50.9	N/A			
MP 11.5	1	44.0	50.4	N/A			
	2	46.2	52.6	N/A			
	3	46.6	53.0	N/A			
	4	43.7	50.1	N/A			
MP 16.1	1	48.3	54.7	48.6	Both	430	L- shaped barrier along exit bore; Barriers along N and S side of Entry
	2	50.6	57.0	48.0			
	3	48.2	54.6	43.8			
	4	51.1	57.5	48.6			
MP 17.4	1	61.7	68.1	46.1	Both	450	L - Shaped barrier along entry bore, Barrier along N side of Exit
	2	54.9	61.3	45.5			
	3	45.9	52.3	46.1			
	4	46.3	52.7	46.8			
	5	46.0	52.4	46.6			
MP 21.4	1	49.1	55.5	44.7	Both	750	L shaped Barrier along Entry and Exit Bores
	2	54.0	60.4	45.4			
	3	47.9	54.3	48.1			
MP 22.5	1	73.6	80.0	57.1	Both	890	NSA is only ~150 ft from Bore pit
	2	65.8	72.2	52.5			
MP 24.0	1	53.6	60.0	42.7	Both	535	L shaped Barrier along Entry and Exit Bores
	2	48.0	54.4	34.5			
MP 24.4	1	48.1	54.5	48.3	Both	495	L shaped Barrier along Entry and Exit Bores
	2	54.6	61.0	48.0			
	3	47.1	53.5	46.2			
MP 24.6	1	53.0	59.4	45.5	Both	390	L shaped barrier along entry, barrier along N side of exit
	2	46.7	53.1	42.3			
	3	46.1	52.5	47.2			
MP 26.5	1	47.6	54.0	N/A			
MP 26.9	1	46.8	53.2	N/A	Entry	260	L shaped barrier along W and south side of entry
	2	51.2	57.6	48.0			
MP 27.2	1	51.9	58.3	45.2	Both	650	Barrier along E side of both bores
	2	44.9	51.3	43.6			
MP 28.0	1	47.2	53.6	N/A			

Note: All Barrier walls modeled at a height of 28 feet