Appendix G

Noise Calculation Worksheets

Cheval Blanc Project

Noise Calculations Worksheets

Provided by Acoustical Engineering Services

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1. Ambient Noise Measurements

Provided by Morgner

MORGNER

Job No.	Job Title			
1000	City of Beverly Hills Noise Baseline			
Date Created	By	Date Revised	Rev	Sheet
7/8/2021	CH	7/30/2021	0	2

Measurement Location R1: Church

ID	Date	Start Hour	Finish Hour	Metric	dB(A)	63	125	250	500	1k	2k	4k	8k
001	7-Jul-21	9.00	10.00	Leq	72.4	74.1	72.1	69.2	66.8	68.6	66.3	57.0	52.6
002	7-Jul-21	10.00	11.00	Leq	71.6	74.2	72.5	69.6	67.3	68.1	63.7	56.6	50.3
003	7-Jul-21	11.00	12.00	Leq	70.7	74.5	73.0	69.7	67.0	66.4	62.8	56.8	51.2
004	7-Jul-21	12.00	13.00	Leq	72.0	75.4	73.9	69.7	67.4	68.8	63.6	57.7	51.3
005	7-Jul-21	13.00	14.00	Leq	70.6	74.7	72.6	69.3	67.5	66.1	62.4	56.5	50.2
006	7-Jul-21	14.00	15.00	Leq	69.9	75.0	73.1	68.8	66.8	65.4	61.4	55.3	48.0
007	7-Jul-21	15.00	16.00	Leq	68.0	73.5	71.2	66.1	63.3	64.0	60.6	54.1	48.8
008	7-Jul-21	16.00	17.00	Leq	72.3	74.8	72.3	67.1	64.2	70.2	64.0	57.5	47.9
009	7-Jul-21	17.00	18.00	Leq	68.4	74.3	75.0	67.8	63.6	64.2	60.2	51.5	44.7
010	7-Jul-21	18.00	19.00	Leq	67.8	73.1	70.2	64.2	62.1	64.6	60.7	52.3	45.4
011	7-Jul-21	19.00	20.00	Leq	67.9	72.1	70.7	65.7	63.0	64.4	60.2	51.2	43.5
012	7-Jul-21	20.00	21.00	Leq	68.0	71.2	70.7	65.4	63.6	64.5	60.2	51.2	44.1
013	7-Jul-21	21.00	22.00	Leq	76.7	72.0	71.3	66.9	66.2	74.0	71.4	58.8	49.8
014*	7-Jul-21	22.00	23.00	Leq	67.6	70.4	70.4	67.0	64.1	63.6	59.2	50.2	43.2
015*	7-Jul-21	23.00	0.00	Leq	67.6	70.4	70.4	67.0	64.1	63.6	59.2	50.2	43.2
016	8-Jul-21	0.00	1.00	Leq	64.7	67.4	66.3	60.4	59.2	61.6	57.6	48.4	40.4
017	8-Jul-21	1.00	2.00	Leq	64.9	68.0	71.3	62.8	58.8	60.9	57.3	50.1	45.2
018	8-Jul-21	2.00	3.00	Leq	63.3	65.8	68.7	59.3	57.6	59.9	55.9	46.3	37.0
019	8-Jul-21	3.00	4.00	Leq	62.6	67.0	69.7	57.5	58.1	59.0	54.5	45.5	37.8
020	8-Jul-21	4.00	5.00	Leq	64.2	65.0	66.4	61.0	58.8	61.0	56.7	48.2	40.3
021	8-Jul-21	5.00	6.00	Leq	66.6	68.5	69.1	63.3	61.0	63.1	59.6	50.8	45.0
022	8-Jul-21	6.00	7.00	Leq	69.6	70.9	71.7	66.9	64.5	66.2	62.1	53.6	47.6
023	8-Jul-21	7.00	8.00	Leq	70.6	71.2	71.6	66.9	65.4	67.5	63.4	54.1	46.2
024	8-Jul-21	8.00	9.00	Leq	71.9	73.5	73.3	71.1	68.4	67.7	63.7	57.5	54.1
CNEL					74.7								

MORGNER

Job No.	Job Title			
1000	City of Beverly Hills Noise Baseline			
Date Created	By	Date Revised	Rev	Sheet
7/8/2021	CH	7/30/2021	0	1

Measurement Location R2: Residential

ID	Date	Start Hour	Finish Hour	Metric	dB(A)	63	125	250	500	1k	2k	4k	8k
001	7-Jul-21	9.00	10.00	Leq	59.3	68.1	61.8	54.0	50.9	55.5	54.0	43.4	34.5
002	7-Jul-21	10.00	11.00	Leq	57.1	67.5	61.8	54.5	51.3	53.3	49.3	42.8	35.1
003	7-Jul-21	11.00	12.00	Leq	56.9	68.2	62.3	55.2	52.1	52.3	49.2	43.9	37.2
004	7-Jul-21	12.00	13.00	Leq	57.5	69.0	63.7	54.8	50.9	53.9	49.4	43.2	35.9
005	7-Jul-21	13.00	14.00	Leq	57.4	69.4	64.1	54.8	51.3	51.9	49.7	48.0	35.4
006	7-Jul-21	14.00	15.00	Leq	57.9	69.0	63.2	55.8	53.3	52.6	49.6	48.4	35.8
007	7-Jul-21	15.00	16.00	Leq	55.8	68.3	62.9	54.9	50.7	51.1	47.2	41.6	34.2
008	7-Jul-21	16.00	17.00	Leq	59.7	69.4	65.2	58.8	55.1	55.5	51.2	44.8	36.4
009	7-Jul-21	17.00	18.00	Leq	59.6	68.6	63.6	57.5	56.0	56.1	50.1	42.5	34.9
010	7-Jul-21	18.00	19.00	Leq	56.2	68.1	62.6	55.2	51.0	51.7	47.9	41.3	35.3
011	7-Jul-21	19.00	20.00	Leq	57.1	66.9	62.4	55.7	52.2	52.3	50.1	41.8	32.3
012	7-Jul-21	20.00	21.00	Leq	58.8	66.6	62.5	53.8	49.5	55.3	53.0	42.0	33.9
013	7-Jul-21	21.00	22.00	Leq	60.2	66.2	61.2	53.8	51.0	57.4	53.8	45.1	33.6
014	7-Jul-21	22.00	23.00	Leq	56.5	65.8	61.7	56.6	53.1	50.3	48.1	44.5	42.8
015	7-Jul-21	23.00	0.00	Leq	52.9	64.4	60.3	52.3	47.2	47.6	44.5	38.6	40.7
016	8-Jul-21	0.00	1.00	Leq	52.4	62.6	58.5	49.5	46.2	46.8	45.0	43.7	34.1
017	8-Jul-21	1.00	2.00	Leq	49.6	63.2	57.0	47.8	41.7	44.1	42.5	36.8	37.1
018	8-Jul-21	2.00	3.00	Leq	48.2	60.4	56.1	45.8	40.7	43.4	40.9	33.3	30.4
019	8-Jul-21	3.00	4.00	Leq	48.3	59.6	59.0	45.9	39.6	42.5	40.4	33.7	34.2
020	8-Jul-21	4.00	5.00	Leq	51.0	61.7	57.8	48.7	42.3	47.1	42.9	35.8	39.6
021	8-Jul-21	5.00	6.00	Leq	56.3	65.7	61.2	53.3	49.0	50.8	49.0	46.9	46.1
022	8-Jul-21	6.00	7.00	Leq	56.3	66.9	62.4	54.3	50.2	51.6	49.0	43.5	36.5
023	8-Jul-21	7.00	8.00	Leq	56.6	67.1	61.8	54.4	50.9	52.4	49.3	43.4	36.9
024	8-Jul-21	8.00	9.00	Leq	57.7	68.4	62.0	54.4	51.4	53.7	50.6	44.6	36.0
CNEL					61.6								

MORGNER

Job No.	Job Title		
1000	City of Beverly Hills Noise Basel		
Date Created	By	Date Revised	Rev
7/8/2021	CH	7/30/2021	0

Measurement Location R3: Project Site

ID	Date	Start Hour	Finish Hour	Metric	dB(A)	63	125	250	500	1k	2k	4k	8k
001	7-Jul-21	9.00	10.00	Leq	74.9	74.7	69.9	66.7	68.6	72.9	67.0	56.5	46.3
002	7-Jul-21	10.00	11.00	Leq	66.0	75.2	71.3	66.6	62.0	61.6	56.5	49.8	42.2
003	7-Jul-21	11.00	12.00	Leq	66.0	75.2	70.4	66.0	62.6	61.9	56.2	49.2	46.4
004	7-Jul-21	12.00	13.00	Leq	66.5	76.6	71.1	66.5	62.9	62.1	57.1	50.4	44.1
005	7-Jul-21	13.00	14.00	Leq	65.7	75.9	72.0	66.0	62.0	61.1	55.7	49.5	43.6
006	7-Jul-21	14.00	15.00	Leq	66.1	77.5	71.6	66.5	62.5	61.2	56.6	50.8	44.8
007	7-Jul-21	15.00	16.00	Leq	66.5	76.8	71.1	67.5	63.1	61.6	57.1	51.3	45.3
008	7-Jul-21	16.00	17.00	Leq	66.7	77.0	72.0	66.3	62.1	62.4	58.3	51.1	44.3
009	7-Jul-21	17.00	18.00	Leq	69.2	77.6	71.2	66.5	63.6	66.3	60.6	54.8	44.7
010	7-Jul-21	18.00	19.00	Leq	66.3	76.1	71.2	65.8	63.1	61.9	56.7	49.5	43.7
011	7-Jul-21	19.00	20.00	Leq	66.8	75.1	69.8	67.5	64.1	62.4	56.3	50.2	41.7
012	7-Jul-21	20.00	21.00	Leq	64.6	73.2	68.3	64.6	61.1	60.7	55.0	47.3	42.4
013	7-Jul-21	21.00	22.00	Leq	74.9	74.7	69.9	66.7	68.6	72.9	67.0	56.5	46.3
014	7-Jul-21	22.00	23.00	Leq	69.8	73.5	68.8	74.3	66.9	63.6	57.9	48.0	39.2
015	7-Jul-21	23.00	0.00	Leq	64.7	69.3	70.5	67.5	60.9	59.3	54.1	48.4	40.3
016	8-Jul-21	0.00	1.00	Leq	62.7	68.4	65.8	60.8	58.6	57.8	55.0	51.1	47.8
017	8-Jul-21	1.00	2.00	Leq	59.1	70.8	62.8	58.5	56.3	54.9	49.0	43.2	36.9
018	8-Jul-21	2.00	3.00	Leq	58.5	64.9	65.8	56.5	53.9	53.6	50.2	46.2	42.0
019	8-Jul-21	3.00	4.00	Leq	52.5	60.9	57.0	50.1	48.8	49.0	43.0	35.6	27.7
020	8-Jul-21	4.00	5.00	Leq	59.7	69.2	64.5	59.9	56.9	54.9	49.9	43.9	36.7
021	8-Jul-21	5.00	6.00	Leq	61.8	71.3	65.2	62.3	57.5	57.6	53.2	45.2	40.7
022	8-Jul-21	6.00	7.00	Leq	64.4	74.7	68.2	63.6	60.2	60.7	55.1	47.2	40.5
023	8-Jul-21	7.00	8.00	Leq	65.4	73.0	69.4	64.3	61.3	61.8	56.2	48.0	40.6
024	8-Jul-21	8.00	9.00	Leq	66.5	75.6	70.3	66.1	62.7	62.7	56.9	50.1	43.2
CNEL					72.4								

2. Construction Noise Calculations

2.a. On-Site Construction Noise

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 1 & 2 Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	280	5
Excavator	1	81	40%	280	5
Paving Equipment	1	77	50%	300	5
Rubber Tired Loader	1	79	40%	300	5
Tractor/Loader/Backhoe	1	84	40%	325	5
Excavator	1	81	40%	325	5
Paving Equipment	1	77	50%	350	5

7

Receptor: ***R1***

Results:

1-hour Leq: 66.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 1 & 2 Grading/Excavation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	280	5
Crane	1	81	16%	300	5
Excavator	1	81	40%	300	5
Grader	1	85	40%	320	5
Pumps	1	81	20%	320	5
Rubber Tired Loader	1	79	40%	345	5
Bore/Drill Rig	1	84	20%	345	5
Crane	1	81	16%	370	5
Excavator	1	81	40%	370	5
Pumps	1	81	20%	370	5
	10				

Receptor: ***R1***

Results:

1-hour Leq: 65.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 1 Garage***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift	1	83	40%	280	5
Crane	1	81	16%	300	5
Tractor/Loader/Backhoe	1	84	40%	300	5
Concrete Pump	1	81	20%	320	5
Rough Terrain Forklift	1	83	40%	320	5
Welders	1	74	40%	345	5
Aerial Lift	1	83	40%	345	5
Crane	1	81	16%	370	5
Tractor/Loader/Backhoe	1	84	40%	370	5
Concrete Pump	1	81	20%	370	5
	10				

Receptor: ***R1***

Results:

1-hour Leq: 66.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 2 Garage***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift	1	83	40%	280	5
Crane	1	81	16%	300	5
Tractor/Loader/Backhoe	1	84	40%	300	5
Concrete Pump	1	81	20%	320	5
Rough Terrain Forklift	1	83	40%	320	5
Welders	1	74	40%	345	5
Aerial Lift	1	83	40%	345	5
Crane	1	81	16%	370	5
Tractor/Loader/Backhoe	1	84	40%	370	5
Concrete Pump	1	81	20%	370	5

10

Receptor: ***R1***

Results:

1-hour Leq: 66.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 2 Building Construction***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	280	5
Crane	1	81	16%	300	5
Fork Lift	1	75	20%	300	5
Generator Set	1	81	50%	320	5
Welders	1	74	40%	320	5
Tractor/Loader/Backhoe	1	84	40%	345	5
Aerial Lift	1	83	40%	345	5
Air Compressor	1	78	40%	370	5
Crane	1	81	16%	370	5
Fork Lift	1	75	20%	370	5
Aerial Lift	1	83	40%	370	5
	11				

Receptor: ***R1***

Results:

1-hour Leq: 66.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: Paving/Landscaping

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Cement and Mortar Mixer	1	80	50%	280	5
Paving Equipment	1	77	50%	300	5
Roller	1	80	20%	300	5
Trencher	1	80	50%	320	5

4

Receptor: ***R1***

Results:

1-hour Leq: 61.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 1 & 2 Demolition***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	525	10
Excavator	1	81	40%	525	10
Paving Equipment	1	77	50%	545	10
Rubber Tired Loader	1	79	40%	545	10
Tractor/Loader/Backhoe	1	84	40%	570	10
Excavator	1	81	40%	570	10
Paving Equipment	1	77	50%	595	10
	7				

Receptor: ***R2***

Results:

1-hour Leq: 56.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 1 & 2 Grading/Excavation***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Bore/Drill Rig	1	84	20%	525	10
Crane	1	81	16%	525	10
Excavator	1	81	40%	545	10
Grader	1	85	40%	545	10
Pumps	1	81	20%	570	10
Rubber Tired Loader	1	79	40%	570	10
Bore/Drill Rig	1	84	20%	595	10
Crane	1	81	16%	595	10
Excavator	1	81	40%	620	10
Pumps	1	81	20%	620	10
	10				

Receptor: ***R2***

Results:

1-hour Leq: 55.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 1 Garage***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift	1	83	40%	525	10
Crane	1	81	16%	525	10
Tractor/Loader/Backhoe	1	84	40%	545	10
Concrete Pump	1	81	20%	545	10
Rough Terrain Forklift	1	83	40%	570	10
Welders	1	74	40%	570	10
Aerial Lift	1	83	40%	595	10
Crane	1	81	16%	595	10
Tractor/Loader/Backhoe	1	84	40%	620	10
Concrete Pump	1	81	20%	620	10
	10				

Receptor: ***R2***

Results:

1-hour Leq: 56.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 2 Garage***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Aerial Lift	1	83	40%	525	10
Crane	1	81	16%	525	10
Tractor/Loader/Backhoe	1	84	40%	545	10
Concrete Pump	1	81	20%	545	10
Rough Terrain Forklift	1	83	40%	570	10
Welders	1	74	40%	570	10
Aerial Lift	1	83	40%	595	10
Crane	1	81	16%	595	10
Tractor/Loader/Backhoe	1	84	40%	620	10
Concrete Pump	1	81	20%	620	10
	10				

Receptor: ***R2***

Results:

1-hour Leq: 56.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: ***Phase 2 Building Construction***

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Concrete Saw	1	90	20%	525	10
Crane	1	81	16%	525	10
Fork Lift	1	75	20%	545	10
Generator Set	1	81	50%	545	10
Welders	1	74	40%	570	10
Tractor/Loader/Backhoe	1	84	40%	570	10
Aerial Lift	1	83	40%	595	10
Air Compressor	1	78	40%	595	10
Crane	1	81	16%	620	10
Fork Lift	1	75	20%	620	10
Aerial Lift	1	83	40%	645	10
	11				

Receptor: ***R2***

Results:

1-hour Leq: 56.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
ACOUSTICAL ENGINEERING SERVICES

Project: Cheval Blanc Project EIR

Construction Phase: Paving/Landscaping

Equipment

Description	No. of Equip.	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
Cement and Mortar Mixer	1	80	50%	525	10
Paving Equipment	1	77	50%	525	10
Roller	1	80	20%	545	10
Trencher	1	80	50%	545	10

4

Receptor: ***R2***

Results:

1-hour Leq: 51.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

2.b. Off-Site Construction Noise

Project: Cheval Blanc Project EIR

Off-Site Construction Traffic

Haul Truck Routes
Between 8am and 10pm (hauling between 7pm and 10pm)
Departing Route: South SMB to West Burton, to San Vicente, to La Cienega, to I-10
Arriving Route: I-10, exit at Caddilac, to La Cienega, to San Vicente, to Burton Way, to SMB, to Project Site

Between 10pm and 7:30am (hauling only)
Departing Route: Beveverly Dr to Wilshire, to San Vicente, to La Cienega, to I-10
Arriving Route: I-10, exit at Caddilac, to La Cienega, to Wilshire, to Camden, to South SMB, to Project Site

Off-Site construction traffic noise levels (hourly Leq) are calculated based on the hourly traffic trips, using the FHWA TNM computer model.
The calculated hourly Leq noise levels are used to calculate the 24-hour CNEL levels, based on the anticipated construction hours.

TRUCKS	Truck Trips (delivery/haul)		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)							
Phase	Per Day	Per Hour	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)[1]	Beverly Dr. (PS to Wilshire)[1]	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)[1]
1. P1 Demolition	60	5	59.4	55.5	57.8	57.8	54.8	55.2	57.8	56.4
2. P1 Grading/Excavation	120	10	62.4	58.5	60.8	60.8	57.8	58.2	60.8	59.4
3. P1 Construction (parking to grade)	100	13	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
4. P2 Demolition	60	5	59.4	55.5	57.8	57.8	54.8	55.2	57.8	56.4
5. P2 Grading/Excavation	120	10	62.4	58.5	60.8	60.8	57.8	58.2	60.8	59.4
6. P2 Construction (Parking)	100	13	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
7. P2 Construction (Hotel)	50	7	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
8. P2 Finishes/Arch. Coating	20	3	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
9. P2 Paving/Landscape	20	3	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2

Daytime: P1 Construction, P2 Construction, Finishes/Arch. Coating, and Paving/Landscape
Nighttime: P1 Demo and Grading/Excavation; P2 Demo and Grading/Excavation
Construction Hours: Demo, Grading/Excavation are from 7pm to 7:30am (12.5 hours); Construction, Finishes/Arch. Coating, and Paving/Landscape are from 8am to 3pm (8 hours)
Note: 1 Trucks on Cadillac Ave., Camden Ave., and Beverly Dr. are one-way, i.e., only incoming trucks on Cadillac/Camdend and only outgoing trucks on Beverly; therefore, noise levels adjusted by -3 dBA.

WORKERS	Worker Trips		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)							
Phase	Daily Trips	Trips during Pk Hr.	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)[1]	Beverly Dr. (PS to Wilshire)[1]	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)[1]
1. P1 Demolition	50	20	55.9	52.0	54.3	54.3	51.3	54.8	54.3	52.9
2. P1 Grading/Excavation	136	55	60.3	56.4	58.6	58.6	55.6	59.1	58.6	57.3
3. P1 Construction (parking to grade)	200	80	61.9	58.0	60.3	60.3	57.3	60.8	60.3	58.9
4. P2 Demolition	50	20	55.9	52.0	54.3	54.3	51.3	54.8	54.3	52.9
5. P2 Grading/Excavation	136	55	60.3	56.4	58.6	58.6	55.6	59.1	58.6	57.3
6. P2 Construction (Parking)	200	80	61.9	58.0	60.3	60.3	57.3	60.8	60.3	58.9
7. P2 Construction (Hotel)	650	260	67.1	63.2	65.4	65.4	62.4	65.9	65.4	64.1
8. P2 Finishes/Arch. Coating	300	120	63.7	59.8	62.1	62.1	59.1	62.5	62.1	60.7
9. P2 Paving/Landscape	50	20	55.9	52.0	54.3	54.3	51.3	54.8	54.3	52.9

		Estimated Project Noise Levels (Trucks and Workers) in CNEL							
Phase		South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition		55.6	51.7	54.0	64.0	61.0	61.0	63.6	60.6
2. P1 Grading/Excavation		58.6	54.7	57.0	67.0	64.1	64.0	66.6	63.6
3. P1 Construction (parking to grade)		59.1	55.2	57.6	57.4	54.5	55.3	57.6	54.5
4. P2 Demolition		55.6	51.7	54.0	64.0	61.0	61.0	63.6	60.6
5. P2 Grading/Excavation		58.6	54.7	57.0	67.0	64.1	64.0	66.6	63.6
6. P2 Construction (Parking)		59.1	55.2	57.6	57.4	54.5	55.3	57.6	54.5
7. P2 Construction (Hotel)		58.0	54.0	56.3	55.5	53.3	55.0	56.3	53.3
8. P2 Finishes/Arch. Coating		54.4	50.5	52.8	51.9	49.8	51.5	52.8	49.7
9. P2 Paving/Landscape		52.8	48.9	51.2	51.0	48.2	49.0	51.2	48.2
	Ambient, CNEL	72.7	64.8	69.4	69.4	66.3	72.7	74.7	65.6
	Threshold, CNEL	73.7	66.8	70.4	70.4	71.3	73.7	75.7	66.6

	Project + Ambient, CNEL							
Phase	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition	72.8	65.0	69.5	70.5	67.4	73.0	75.0	66.8
2. P1 Grading/Excavation	72.9	65.2	69.6	71.4	68.3	73.2	75.3	67.7
3. P1 Construction (parking to grade)	72.9	65.3	69.7	69.7	66.6	72.8	74.8	65.9
4. P2 Demolition	72.8	65.0	69.5	70.5	67.4	73.0	75.0	66.8
5. P2 Grading/Excavation	72.9	65.2	69.6	71.4	68.3	73.2	75.3	67.7
6. P2 Construction (Parking)	72.9	65.3	69.7	69.7	66.6	72.8	74.8	65.9
7. P2 Construction (Hotel)	72.8	65.1	69.6	69.6	66.5	72.8	74.8	65.8
8. P2 Finishes/Arch. Coating	72.8	65.0	69.5	69.5	66.4	72.7	74.7	65.7
9. P2 Paving/Landscape	72.7	64.9	69.5	69.5	66.4	72.7	74.7	65.7

Phase	Estimated Noise Increase, CNEL							
	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition	0.1	0.2	0.1	1.1	1.1	0.3	0.3	1.2
2. P1 Grading/Excavation	0.2	0.4	0.2	2.0	2.0	0.5	0.6	2.1
3. P1 Construction (parking to grade)	0.2	0.5	0.3	0.3	0.3	0.1	0.1	0.3
4. P2 Demolition	0.1	0.2	0.1	1.1	1.1	0.3	0.3	1.2
5. P2 Grading/Excavation	0.2	0.4	0.2	2.0	2.0	0.5	0.6	2.1
6. P2 Construction (Parking)	0.2	0.5	0.3	0.3	0.3	0.1	0.1	0.3
7. P2 Construction (Hotel)	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.2
8. P2 Finishes/Arch. Coating	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1
9. P2 Paving/Landscape	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Maximum Increase, dBA (CNEL)	0.2	0.5	0.3	2.0	2.0	0.5	0.6	2.1

WORKERS

Phase	Estimated Noise Levels (due to Trucks) in CNEL							
	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition	42.1	38.2	40.5	37.5	37.5	41.0	40.5	37.5
2. P1 Grading/Excavation	46.5	42.6	44.8	41.8	41.8	45.3	44.8	41.8
3. P1 Construction (parking to grade)	48.1	44.2	46.5	43.5	43.5	47.0	46.5	43.5
4. P2 Demolition	42.1	38.2	40.5	37.5	37.5	41.0	40.5	37.5
5. P2 Grading/Excavation	46.5	42.6	44.8	41.8	41.8	45.3	44.8	41.8
6. P2 Construction (Parking)	48.1	44.2	46.5	43.5	43.5	47.0	46.5	43.5
7. P2 Construction (Hotel)	53.3	49.4	51.6	48.6	48.6	52.1	51.6	48.6
8. P2 Finishes/Arch. Coating	49.9	46.0	48.3	45.3	45.3	48.7	48.3	45.3
9. P2 Paving/Landscape	42.1	38.2	40.5	37.5	37.5	41.0	40.5	37.5

TRUCKS

Phase	Estimated Noise Levels (due to Workers) in CNEL							
	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition	55.4	51.5	53.8	64.0	61.0	61.0	63.6	60.6
2. P1 Grading/Excavation	58.4	54.5	56.8	67.0	64.0	64.0	66.6	63.6
3. P1 Construction (parking to grade)	58.7	54.8	57.2	57.2	54.2	54.6	57.2	54.2
4. P2 Demolition	55.4	51.5	53.8	64.0	61.0	61.0	63.6	60.6
5. P2 Grading/Excavation	58.4	54.5	56.8	67.0	64.0	64.0	66.6	63.6
6. P2 Construction (Parking)	58.7	54.8	57.2	57.2	54.2	54.6	57.2	54.2
7. P2 Construction (Hotel)	56.1	52.1	54.5	54.5	51.5	51.9	54.5	51.5
8. P2 Finishes/Arch. Coating	52.4	48.5	50.8	50.8	47.8	48.2	50.8	47.8
9. P2 Paving/Landscape	52.4	48.5	50.8	50.8	47.8	48.2	50.8	47.8

Truk Noise Analysis for Haul Route Segments within the City of Los Angels

Nighttime Hauling

TRUCKS	Truck Trips		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)			
Phase	Per Day	Per Hour	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
1. P1 Demolition	60	5	55.5	57.8	57.8	54.8
2. P1 Grading/Excavation	120	10	58.5	60.8	60.8	57.8
4. P2 Demolition	60	5	59.6	62.0	62.0	58.9
5. P2 Grading/Excavation	120	10	55.5	57.8	57.8	54.8
Daytime Ambient, dBA Leq			61.1	65.0	65.0	61.1
Threshold, dBA Leq			66.1	70.0	70.0	66.1

TRUCKS	Estimated Project + Ambient Noise Levels, Leq(hr)			
Phase	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
1. P1 Demolition	62.2	65.8	65.8	62.0
2. P1 Grading/Excavation	63.0	66.4	66.4	62.8
4. P2 Demolition	63.4	66.8	66.8	63.2
5. P2 Grading/Excavation	62.2	65.8	65.8	62.0

TRUCKS	Estimated Noise Increase, Leq(hr)			
Phase	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
1. P1 Demolition	1.1	0.8	0.8	0.9
2. P1 Grading/Excavation	1.9	1.4	1.4	1.7
4. P2 Demolition	2.3	1.8	1.8	2.1
5. P2 Grading/Excavation	1.1	0.8	0.8	0.9
Maximum Increase, dBA (Leq)	2.3	1.8	1.8	2.1

Daytime Construction

TRUCKS	Truck Trips		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)			
Phase	Per Day	Per Hour	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
3. P1 Construction (parking to grade)	100	13	59.6	62.0	62.0	58.9
6. P2 Construction (Parking)	100	13	59.6	62.0	62.0	58.9
7. P2 Construction (Hotel)	50	7	56.9	59.3	59.3	56.3
8. P2 Finishes/Arch. Coating	20	3	53.3	55.6	55.6	52.6
9. P2 Paving/Landscape	20	3	53.3	55.6	55.6	52.6
		Daytime Ambient, dBA Leq	64.8	68.3	68.3	64.8
		Threshold, dBA Leq	69.8	73.3	73.3	69.8

TRUCKS	Estimated Project + Ambient Noise Levels, Leq(hr)			
Phase	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
3. P1 Construction (parking to grade)	65.9	69.2	69.2	65.8
6. P2 Construction (Parking)	65.9	69.2	69.2	65.8
7. P2 Construction (Hotel)	65.5	68.8	68.8	65.4
8. P2 Finishes/Arch. Coating	65.1	68.5	68.5	65.1
9. P2 Paving/Landscape	65.1	68.5	68.5	65.1

TRUCKS	Estimated Noise Increase, Leq(hr)			
Phase	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
3. P1 Construction (parking to grade)	1.1	0.9	0.9	1.0
6. P2 Construction (Parking)	1.1	0.9	0.9	1.0
7. P2 Construction (Hotel)	0.7	0.5	0.5	0.6
8. P2 Finishes/Arch. Coating	0.3	0.2	0.2	0.3
9. P2 Paving/Landscape	0.3	0.2	0.2	0.3
Maximum Increase, dBA (Leq)	1.1	0.9	0.9	1.0

CNEL Calculations

1. P1 Demolition

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
1:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
2:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
3:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
4:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
5:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
6:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
7:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
8:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	59.4	55.5	57.8	57.8	54.8	0.0	0.0	0.0
20:00	59.4	55.5	57.8	57.8	54.8	0.0	0.0	0.0
21:00	59.4	55.5	57.8	57.8	54.8	0.0	0.0	0.0
22:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
23:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
24-Hour CNEL	**55.4**	**51.5**	**53.8**	**64.0**	**61.0**	**61.0**	**63.6**	**60.6**

2. P1 Grading/Excavation

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
1:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
2:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
3:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
4:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
5:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
6:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
7:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
8:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	62.4	58.5	60.8	60.8	57.8	0.0	0.0	0.0
20:00	62.4	58.5	60.8	60.8	57.8	0.0	0.0	0.0
21:00	62.4	58.5	60.8	60.8	57.8	0.0	0.0	0.0
22:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
23:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
24-Hour CNEL	**58.4**	**54.5**	**56.8**	**67.0**	**64.0**	**64.0**	**66.6**	**63.6**

3. P1 Construction (parking to grade)

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
9:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
10:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
11:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
12:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
13:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
14:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
15:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Hour CNEL	**58.7**	**54.8**	**57.2**	**57.2**	**54.2**	**54.6**	**57.2**	**54.2**

4. P2 Demolition

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
1:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
2:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
3:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
4:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
5:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
6:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
7:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
8:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	59.4	55.5	57.8	57.8	54.8	0.0	0.0	0.0
20:00	59.4	55.5	57.8	57.8	54.8	0.0	0.0	0.0
21:00	59.4	55.5	57.8	57.8	54.8	0.0	0.0	0.0
22:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
23:00	0.0	0.0	0.0	57.8	54.8	55.2	57.8	56.4
24-Hour CNEL	**55.4**	**51.5**	**53.8**	**64.0**	**61.0**	**61.0**	**63.6**	**60.6**

5. P2 Grading/Excavation

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
1:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
2:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
3:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
4:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
5:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
6:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
7:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
8:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	62.4	58.5	60.8	60.8	57.8	0.0	0.0	0.0
20:00	62.4	58.5	60.8	60.8	57.8	0.0	0.0	0.0
21:00	62.4	58.5	60.8	60.8	57.8	0.0	0.0	0.0
22:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
23:00	0.0	0.0	0.0	60.8	57.8	58.2	60.8	59.4
24-Hour CNEL	**58.4**	**54.5**	**56.8**	**67.0**	**64.0**	**64.0**	**66.6**	**63.6**

6. P2 Construction (Parking)

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
9:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
10:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
11:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
12:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
13:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
14:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
15:00	63.5	59.6	62.0	62.0	58.9	59.4	62.0	60.5
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Hour CNEL	**58.7**	**54.8**	**57.2**	**57.2**	**54.2**	**54.6**	**57.2**	**54.2**

7. P2 Construction (Hotel)

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
9:00	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
10:00	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
11:00	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
12:00	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
13:00	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
14:00	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
15:00	60.9	56.9	59.3	59.3	56.3	56.7	59.3	57.9
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Hour CNEL	**56.1**	**52.1**	**54.5**	**54.5**	**51.5**	**51.9**	**54.5**	**51.5**

8. P2 Finishes/Arch. Coating

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
9:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
10:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
11:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
12:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
13:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
14:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
15:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Hour CNEL	**52.4**	**48.5**	**50.8**	**50.8**	**47.8**	**48.2**	**50.8**	**47.8**

9. P2 Paving/Landscape

CNEL Calculations from the Hourly Leq

Time	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
9:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
10:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
11:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
12:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
13:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
14:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
15:00	57.2	53.3	55.6	55.6	52.6	53.0	55.6	54.2
16:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Hour CNEL	**52.4**	**48.5**	**50.8**	**50.8**	**47.8**	**48.2**	**50.8**	**47.8**

2.b.i. TNM Noise Computer Model Inputs and Outputs

TNM Computer Noise Model calculates the off-site construction traffic (truck and worker trips) in terms of Leq.

The calculated Leq noise levels are used to calculate the 24-hour CNEL levels, as provided in the worksheets above (section 2.b).

Construction Truck Trips

To calculate noise from off-site construction traffic, a distance of 1,000 feet is utilized for each roadway segment. The starting point of the 1,000-foot roadway segment (at 0 feet) is identified in the following TNM Computer Model results as “starting point” while the end point (at 1,000 feet) is identified as “end point”.

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **Cheval Blanc Project**

RUN: **Phase 1 Demo**

Roadway	**Points**											
Name	**Name**	**No.**	**Segment**									
			Autos		**MTrucks**		**HTrucks**		**Buses**		**Motorcycles**	
			V	**S**	**V**	**S**	**V**	**S**	**V**	**S**	**V**	**S**
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	59.4	71	59.4	5	----	59.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 1 Demo	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Receiver											
Name	**No.**	**#DUs**	**Coordinates (ground)**			**Height**	**Input Sound Levels and Criteria**				**Active**
			X	**Y**	**Z**	**above**	**Existing**	**Impact Criteria**		**NR**	**in**
						Ground	**LAeq1h**	**LAeq1h**	**Sub'l**	**Goal**	**Calc.**
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	59.4	71	59.4	5	----	59.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project a State highway agency substantiates the use
RUN:	Phase 1 Demo of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	57.8	71	57.8	5	----	57.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 1 Demo	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	**Points**											
Name	**Name**	**No.**	**Segment**									
			Autos		**MTrucks**		**HTrucks**		**Buses**		**Motorcycles**	
			V	**S**	**V**	**S**	**V**	**S**	**V**	**S**	**V**	**S**
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	57.8	71	57.8	5	----	57.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 1 Demo	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **Cheval Blanc Project**

RUN: **Phase 1 Demo**

Roadway	**Points**											
Name	**Name**	**No.**	**Segment**									
			Autos		**MTrucks**		**HTrucks**		**Buses**		**Motorcycles**	
			V	**S**	**V**	**S**	**V**	**S**	**V**	**S**	**V**	**S**
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	57.8	71	57.8	5	----	57.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 1 Demo	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	**Points**											
Name	**Name**	**No.**	**Segment**									
			Autos		**MTrucks**		**HTrucks**		**Buses**		**Motorcycles**	
			V	**S**	**V**	**S**	**V**	**S**	**V**	**S**	**V**	**S**
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	55.5	71	55.5	5	----	55.5	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 1 Demo	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	58.2	71	58.2	5	----	58.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental					**10 September 2021**						
Sean Bui					**TNM 2.5**						
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**Cheval Blanc Project**						**a State highway agency substantiates the use**				
RUN:	**Phase 1 Grading**						**of a different type with the approval of FHWA**				
Roadway		**Points**									
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**	
				X	**Y**	**Z**	**Control**	**Speed**	**Percent**	**Pvmt**	**On**
							Device	**Constraint**	**Vehicles**	**Type**	**Struct?**
									Affected		
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	62.4	71	62.4	5	----	62.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental							10 September 2021					
Sean Bui							TNM 2.5					
							Calculated with TNM 2.5					
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Cheval Blanc Project										
RUN:		Phase 1 Grading										
BARRIER DESIGN:		INPUT HEIGHTS					Average pavement type shall be used unless					
							a State highway agency substantiates the use					
ATMOSPHERICS:		68 deg F, 50% RH					of a different type with approval of FHWA.					
Receiver												
Name	No.	#DUs	Existing	No Barrier				With Barrier				
			LAeq1h	LAeq1h		Increase over existing		Type	Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	62.4	71	62.4	5	----	62.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points					Flow Control			Segment	
Name	Width	Name	No.	Coordinates (pavement) X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	60.8	71	60.8	5	----	60.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	60.8	71	60.8	5	----	60.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	60.8	71	60.8	5	----	60.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui
10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	58.5	71	58.5	5	----	58.5	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	61.2	71	61.2	5	----	61.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	63.5	71	63.5	5	----	63.5	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	63.5	71	63.5	5	----	63.5	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Receiver											
Name	**No.**	**#DUs**	**Coordinates (ground)**			**Height**	**Input Sound Levels and Criteria**				**Active**
			X	**Y**	**Z**	**above**	**Existing**	**Impact Criteria**		**NR**	**in**
						Ground	**LAeq1h**	**LAeq1h**	**Sub'l**	**Goal**	**Calc.**
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

RESULTS: SOUND LEVELS **Cheval Blanc Project**

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**
BARRIER DESIGN: **INPUT HEIGHTS**
ATMOSPHERICS: **68 deg F, 50% RH**

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	62.0	71	62.0	5	----	62.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	62.0	71	62.0	5	----	62.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

RESULTS: SOUND LEVELS **Cheval Blanc Project**

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**
BARRIER DESIGN: **INPUT HEIGHTS**
ATMOSPHERICS: **68 deg F, 50% RH**

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	With Barrier Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	62.0	71	62.0	5	----	62.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	**Points**											
Name	**Name**	**No.**	**Segment**									
			Autos		**MTrucks**		**HTrucks**		**Buses**		**Motorcycles**	
			V	**S**	**V**	**S**	**V**	**S**	**V**	**S**	**V**	**S**
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	With Barrier Noise Reduction Calculated	With Barrier Noise Reduction Goal	With Barrier Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	59.6	71	59.6	5	----	59.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	62.4	71	62.4	5	----	62.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**

Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: **Cheval Blanc Project**

RUN: **Phase 2 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	59.4	71	59.4	5	----	59.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui
10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	59.4	71	59.4	5	----	59.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	57.8	71	57.8	5	----	57.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	57.8	71	57.8	5	----	57.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 2 Demo	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X	Y	Z		Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	57.8	71	57.8	5	----	57.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 2 Demo	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	55.5	71	55.5	5	----	55.5	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	10 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 2 Demo	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	5	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X	Y	Z		Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	58.2	71	58.2	5	----	58.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	62.4	71	62.4	5	----	62.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	62.4	71	62.4	5	----	62.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	60.8	71	60.8	5	----	60.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	60.8	71	60.8	5	----	60.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	60.8	71	60.8	5	----	60.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	58.5	71	58.5	5	----	58.5	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	10	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	61.2	71	61.2	5	----	61.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	63.5	71	63.5	5	----	63.5	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	63.5	71	63.5	5	----	63.5	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **10 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 10 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

10 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	62.0	71	62.0	5	----	62.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	62.0	71	62.0	5	----	62.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	62.0	71	62.0	5	----	62.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	59.6	71	59.6	5	----	59.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	13	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

RESULTS: SOUND LEVELS **Cheval Blanc Project**

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**
BARRIER DESIGN: **INPUT HEIGHTS**
ATMOSPHERICS: **68 deg F, 50% RH**

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	62.4	71	62.4	5	----	62.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**

Roadway	**Points**											
Name	**Name**	**No.**	**Segment**									
			Autos		**MTrucks**		**HTrucks**		**Buses**		**Motorcycles**	
			V	**S**	**V**	**S**	**V**	**S**	**V**	**S**	**V**	**S**
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	7	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	60.9	71	60.9	5	----	60.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	7	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	60.9	71	60.9	5	----	60.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	7	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

RESULTS: SOUND LEVELS **Cheval Blanc Project**

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**
BARRIER DESIGN: **INPUT HEIGHTS**
ATMOSPHERICS: **68 deg F, 50% RH**

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver													
Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	59.3	71	59.3	5	----	59.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	7	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	59.3	71	59.3	5	----	59.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	7	35	0	0	0	0
	End Point	2										

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	59.3	71	59.3	5	----	59.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	7	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	56.9	71	56.9	5	----	56.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	7	35	0	0	0	0
	End Point	2										

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction Hotel**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction Hotel
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	59.7	71	59.7	5	----	59.7	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	57.2	71	57.2	5	----	57.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental	11 September 2021
Sean Bui	TNM 2.5

INPUT: ROADWAYS	Average pavement type shall be used unless
PROJECT/CONTRACT:	Cheval Blanc Project	a State highway agency substantiates the use
RUN:	Phase 2 Finishes	of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	57.2	71	57.2	5	----	57.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	55.6	71	55.6	5	----	55.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	55.6	71	55.6	5	----	55.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	55.6	71	55.6	5	----	55.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points					Flow Control			Segment	
Name	Width	Name	No.	Coordinates (pavement) X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X	Y	Z		Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	53.2	71	53.2	5	----	53.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	56.0	71	56.0	5	----	56.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South Santa Monica Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South Santa Monica Blvd.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	57.2	71	57.2	5	----	57.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden Dr.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden Dr.	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden Dr.	1	1	0.0	57.2	71	57.2	5	----	57.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega Blvd.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega Blvd.	1	1	0.0	55.6	71	55.6	5	----	55.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac Ave.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac Ave.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac Ave.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac Ave.	1	1	0.0	55.6	71	55.6	5	----	55.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire Blvd.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire Blvd.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire Blvd.	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire Blvd.	1	1	0.0	55.6	71	55.6	5	----	55.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton Way	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton Way	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton Way	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton Way	1	1	0.0	53.2	71	53.2	5	----	53.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 11 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly Dr.	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly Dr.	Starting Point	1	0	0	0	0	3	35	0	0	0	0
	End Point	2										

Eyestone Environmental **11 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X	Y	Z		Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly Dr.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

11 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly Dr.	1	1	0.0	56.0	71	56.0	5	----	56.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Construction Worker Trips

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	55.9	71	55.9	5	----	55.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	1	1	0.0	55.9	71	55.9	5	----	55.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	54.3	71	54.3	5	----	54.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	54.3	71	54.3	5	----	54.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	52.0	71	52.0	5	----	52.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	1	1	0.0	54.8	71	54.8	5	----	54.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	25	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	51.3	71	51.3	5	----	51.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	60.3	71	60.3	5	----	60.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	1	1	0.0	60.3	71	60.3	5	----	60.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	58.6	71	58.6	5	----	58.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	58.6	71	58.6	5	----	58.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	56.4	71	56.4	5	----	56.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	1	1	0.0	59.1	71	59.1	5	----	59.1	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	68	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	55.6	71	55.6	5	----	55.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	61.9	71	61.9	5	----	61.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	1	1	0.0	61.9	71	61.9	5	----	61.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	60.3	71	60.3	5	----	60.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	60.3	71	60.3	5	----	60.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	58.0	71	58.0	5	----	58.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	1	1	0.0	60.8	71	60.8	5	----	60.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 1 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	100	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 1 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	57.3	71	57.3	5	----	57.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	55.9	71	55.9	5	----	55.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	1	1	0.0	55.9	71	55.9	5	----	55.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	54.3	71	54.3	5	----	54.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	54.3	71	54.3	5	----	54.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	52.0	71	52.0	5	----	52.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	1	1	0.0	54.8	71	54.8	5	----	54.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Demo**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	25	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Demo
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	51.3	71	51.3	5	----	51.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	60.3	71	60.3	5	----	60.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Po	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X	Y	Z		Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	1	1	0.0	60.3	71	60.3	5	----	60.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	58.6	71	58.6	5	----	58.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	58.6	71	58.6	5	----	58.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	56.4	71	56.4	5	----	56.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	136	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2Grading**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	1	1	0.0	59.1	71	59.1	5	----	59.1	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Grading**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	68	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Grading
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	55.6	71	55.6	5	----	55.6	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	61.9	71	61.9	5	----	61.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	1	1	0.0	61.9	71	61.9	5	----	61.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points					Flow Control			Segment	
Name	Width	Name	No.	Coordinates (pavement) X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	60.3	71	60.3	5	----	60.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	60.3	71	60.3	5	----	60.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	58.0	71	58.0	5	----	58.0	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	200	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	1	1	0.0	60.8	71	60.8	5	----	60.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	100	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	57.3	71	57.3	5	----	57.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction (Hotel)**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	650	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	67.1	71	67.1	5	----	67.1	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points					Flow Control			Segment	
Name	Width	Name	No.	Coordinates (pavement) X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction (Hotel)**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	650	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camde	1	1	0.0	67.1	71	67.1	5	----	67.1	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	With Barrier Noise Reduction Calculated	With Barrier Noise Reduction Goal	With Barrier Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camde	1	1	0.0	67.1	71	67.1	5	----	67.1	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction (Hotel)**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	650	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	65.4	71	65.4	5	----	65.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction (Hotel)**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	650	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	65.4	71	65.4	5	----	65.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction (Hotel)**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	650	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	63.2	71	63.2	5	----	63.2	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction (Hotel)**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	650	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	1	1	0.0	65.9	71	65.9	5	----	65.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Construction (Hotel)**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	325	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Construction (Hotel)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	62.4	71	62.4	5	----	62.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	300	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	63.7	71	63.7	5	----	63.7	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	300	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	1	1	0.0	63.7	71	63.7	5	----	63.7	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	300	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	62.1	71	62.1	5	----	62.1	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	300	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	62.1	71	62.1	5	----	62.1	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	300	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	63.7	71	63.7	5	----	63.7	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	300	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Finishes**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	85.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Finishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	59.8	71	59.8	5	----	59.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 FInishes

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 FInishes**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	150	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 FInishes

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 FInishes
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	59.1	71	59.1	5	----	59.1	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Po	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	1	1	0.0	55.9	71	55.9	5	----	55.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	1	1	250.0	35.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	1	1	0.0	55.9	71	55.9	5	----	55.9	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	1	1	0.0	54.3	71	54.3	5	----	54.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshie	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshie	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	1	1	0.0	54.3	71	54.3	5	----	54.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Receiver											
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X	Y	Z		Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	1	1	0.0	54.8	71	54.8	5	----	54.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	50	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	With Barrier Noise Reduction Calculated	With Barrier Noise Reduction Goal	With Barrier Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	1	1	0.0	54.8	71	54.8	5	----	54.8	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Phase 2 Paving**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	25	35	0	0	0	0	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	1	1	250.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Phase 2 Paving
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	1	1	0.0	51.3	71	51.3	5	----	51.3	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

3. Operation Noise Calculations

3.a. On-Site Operational Noise

AES
ACOUSTICAL ENGINEERING SERVICES

Project Composite Noise Calculations (CNEL)

Project: Cheval Blanc Project

Receptor	Ambient	Traffic[a]	Mechanical	Loading	Outdoor			Project Composite	Ambient + Project	Increase
R1	74.7	53.5	40.3	25.8	56.5			58.3	74.8	0.1
R2	61.6	46.4	38.8	18.3	56.5			57.0	62.9	1.3

[a] - traffic noise levels at each receptor is based on the traffic noise analysis for the roadway segment in front of the receptor.

		Traffic Noise Levels, CNEL								
Receptor	Roadway Segment	Existing	Existing + Project	Project Only	distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
R1	Santa Monica	69.9	70.0	53.5	20	70.6	70.7	0	55	-0.7
R2	Santa Monica	62.8	62.9	46.4	290	70.6	70.7	0	55	-7.8

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Outdoor Mechanical Equipment Noise Calculations

Project: Cheval Blanc Project

	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	12	3	9
R1	33.6	40.3	33.6	33.6	33.6
R2	32.1	38.8	32.1	32.1	32.1

Receptor	Project (CNEL)	Ambient (CNEL)	Ambient + Project (CNEL)	Increase (CNEL)	Project Noise, (Leq)	Ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	40.3	74.7	74.7	0.0	33.6	66.2	66.2	0.0
R2	38.8	61.6	61.6	0.0	32.1	53.5	53.5	0.0

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Loading Noise Calculations

Project: Cheval Blanc Project

LOADING DOCK

	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	3	3	0
R1	28.6	25.8	22.6	28.6	0.0
R2	20.9	18.3	14.9	20.9	0.0

Receptor	Project CNEL	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	Project Noise, (Leq)	Ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	25.8	74.7	74.7	0.0	28.6	66.2	66.2	0.0
R2	18.3	61.6	61.6	0.0	20.9	53.5	53.5	0.0

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Outdoor Noise Calculations

Project: Cheval Blanc Project

	Estimated noise levels, Leq (FROM SOUNDPLAN)				Hours of Operations Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Sound System	Occupants	Total, Leq	CNEL	12	**3**	**4**
R1	50.6	47.6	52.4	56.5	52.4	52.4	48.9
R2	51.7	44.0	52.4	56.5	52.4	52.4	48.9

Receptor	Project (CNEL)	Ambient (CNEL)	Ambient + Project (CNEL)	Increase (CNEL)	Project Noise, (Leq)	Ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	56.5	74.7	74.8	0.1	52.4	66.2	66.4	0.2
R2	56.5	61.6	62.8	1.2	52.4	53.5	56.0	2.5

3.a.i. SoundPLAN Noise Computer Model Inputs and Outputs

SoundPLAN Computer Noise Model calculates the on-site noise sources in terms of Leq.

The calculated Leq noise levels are used evaluate impacts and to calculate the 24-hour CNEL levels, as provided in the summary worksheets above (section 3.a).

Cheval Blanc
Source Levels in dB(A) - Mechanical

Name	Source type	Lw dB(A)	Emission spectrum	
Mechanical Equipment	Point	100.0	Ventilation Fan	
Mechanical Equipment	Point	100.0	Ventilation Fan	
Mechanical Equipment	Point	100.0	Ventilation Fan	
Mechanical Equipment	Point	100.0	Ventilation Fan	

Cheval Blanc
Contribution level - Mechanical

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 33.6 dB(A)			
Mechanical Equipment	Point	27.0	
Mechanical Equipment	Point	24.4	
Mechanical Equipment	Point	27.6	
Mechanical Equipment	Point	29.7	
Receiver R2 Leq,d 32.1 dB(A)			
Mechanical Equipment	Point	26.4	
Mechanical Equipment	Point	25.1	
Mechanical Equipment	Point	27.1	
Mechanical Equipment	Point	25.6	

Cheval Blanc
Source Levels in dB(A) - Loading

Name	Source type	Lw dB(A)	Emission spectrum	
Loading 1	Point	101.9	Truck: loading general cargo	
Loading 2	Point	101.9	Truck: loading general cargo	

Cheval Blanc
Contribution level - Loading

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 28.6 dB(A)			
Loading 1	Point	26.4	
Loading 2	Point	24.5	
Receiver R2 Leq,d 20.9 dB(A)			
Loading 1	Point	20.7	
Loading 2	Point	7.3	

Cheval Blanc
Source Levels in dB(A) - Speakers

Name	Source type	Lw dB(A)	
Speakers Level 06	Point	108.6	
Speakers Level 06	Point	108.6	
Speakers Level 06	Point	108.6	
Speakers Level 06	Point	108.6	
Speakers Level 06	Point	108.6	
Speakers Level 07	Point	104.2	
Speakers Level 07	Point	104.2	
Speakers Level 07	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level Penthouse	Point	108.6	
Speakers Level Penthouse	Point	108.6	
Speakers Level Penthouse	Point	108.6	
Speakers Level Penthouse	Point	108.6	
Speakers Level Penthouse	Point	108.6	
Speakers Level Penthouse	Point	108.6	

Cheval Blanc
Contribution level - Speakers - 6ft Barrier

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl 1.FL Leq,d 50.6 dB(A)			
Speakers Level 06	Point	40.5	
Speakers Level 06	Point	44.3	
Speakers Level 06	Point	35.6	
Speakers Level 06	Point	37.3	
Speakers Level 06	Point	36.8	
Speakers Level 07	Point	39.2	
Speakers Level 07	Point	30.7	
Speakers Level 07	Point	31.0	
Speakers Level 08	Point	32.1	
Speakers Level 08	Point	39.4	
Speakers Level 08	Point	39.3	
Speakers Level 08	Point	39.2	
Speakers Level Penthouse	Point	38.3	
Speakers Level Penthouse	Point	37.4	
Speakers Level Penthouse	Point	39.3	
Speakers Level Penthouse	Point	32.3	
Speakers Level Penthouse	Point	32.4	
Speakers Level Penthouse	Point	32.5	
Receiver R2 Fl 1.FL Leq,d 51.7 dB(A)			
Speakers Level 06	Point	34.7	
Speakers Level 06	Point	44.4	
Speakers Level 06	Point	34.5	
Speakers Level 06	Point	35.2	
Speakers Level 06	Point	31.2	
Speakers Level 07	Point	41.7	
Speakers Level 07	Point	33.0	
Speakers Level 07	Point	33.0	
Speakers Level 08	Point	18.0	
Speakers Level 08	Point	42.5	
Speakers Level 08	Point	42.9	
Speakers Level 08	Point	41.5	
Speakers Level Penthouse	Point	32.9	
Speakers Level Penthouse	Point	41.8	
Speakers Level Penthouse	Point	42.2	
Speakers Level Penthouse	Point	32.8	
Speakers Level Penthouse	Point	31.3	
Speakers Level Penthouse	Point	31.5	

Cheval Blanc
Source Levels in dB(A) - People

Name	Source type	Lw dB(A)	Emission spectrum	
People Level 06	Area	98.2	Voice - Raised	
People Level 07	Area	90.6	Voice - Raised	
People Level 08	Area	91.8	Voice - Raised	
People Level Penthouse	Area	95.0	Voice - Raised	

Cheval Blanc
Contribution level - People - 6ft Barrier

Source	Source type	Leq,d dB(A)	
Receiver R1 Fl 1.FL Leq,d 47.6 dB(A)			
People Level 06	Area	46.4	
People Level 07	Area	37.7	
People Level 08	Area	38.1	
People Level Penthouse	Area	32.2	
Receiver R2 Fl 1.FL Leq,d 44.0 dB(A)			
People Level 06	Area	41.9	
People Level 07	Area	36.5	
People Level 08	Area	36.0	
People Level Penthouse	Area	30.7	

3.b. Off-Site Operational Noise

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FHWA Off-Site Traffic Noise Calculations
Project: Cheval Blanc
Modeling Condition: Existing Conditions

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Peak Hour Volume (PHV) to Average Daily Traffic (ADT):	10%

	Model Input										**Model Results**
Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume AM Pk	Traffic Volume PM Pk	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Rodeo Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	70	20	55	35	500	544	5,220	10%	0	0	63.1
- Bet. S. Santa Monica Blvd. and Brighton Wy.	45	10	32.5	35	566	815	6,905	10%	0	0	66.7
- Bet. Brighton Wy. and Wilshire Blvd.	45	10	32.5	35	367	779	5,730	10%	0	0	65.9
Beverly Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	60	20	50	35	962	949	9,555	10%	0	0	66.2
- Bet. S. Santa Monica Blvd. and Brighton Wy.	50	10	35	35	1,238	1,238	12,380	10%	0	0	69.0
- Bet. Brighton Wy. and Wilshire Blvd.	50	10	35	35	1,208	1,167	11,875	10%	0	0	68.8
North Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	30	55	35	2,895	2,936	29,155	10%	0	0	70.6
- Bet. Rodeo Dr. and Beverly Dr.	50	30	55	35	2,932	2,939	29,355	10%	0	0	70.6
- Bet. Beverly Dr. and Canon Dr.	50	30	55	35	3,052	2,947	29,995	10%	0	0	70.7
South Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	10	35	35	2,084	2,221	21,525	10%	0	0	71.4
- Bet. Rodeo Dr. and Beverly Dr.	50	10	35	35	2,191	2,296	22,435	10%	0	0	71.6
- Bet. Beverly Dr. and Canon Dr.	50	10	35	35	2,069	2,170	21,195	10%	0	0	71.3
Brighton Way											
- Bet. Camden Dr. and Rodeo Dr.	30	10	25	25	562	379	4,705	10%	0	0	65.6
- Bet. Rodeo Dr. and Beverly Dr.	30	10	25	25	491	343	4,170	10%	0	0	65.1
- Bet. Beverly Dr. and Canon Dr.	30	10	25	25	409	402	4,055	10%	0	0	64.9

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Date Printed: 9/7/2021

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FHWA Off-Site Traffic Noise Calculations

Project: Cheval Blanc

Modeling Condition: Existing + Project Conditions

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Peak Hour Volume (PHV) to Average Daily Traffic (ADT):	10%

	Model Input										**Model Results**
Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume AM Pk	PM Pk	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Rodeo Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	70	20	55	35	502	551	5,265	10%	0	0	63.2
- Bet. S. Santa Monica Blvd. and Brighton Wy.	45	10	32.5	35	576	839	7,075	10%	0	0	66.9
- Bet. Brighton Wy. and Wilshire Blvd.	45	10	32.5	35	377	805	5,910	10%	0	0	66.1
Beverly Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	60	20	50	35	969	966	9,675	10%	0	0	66.2
- Bet. S. Santa Monica Blvd. and Brighton Wy.	50	10	35	35	1,320	1,366	13,430	10%	0	0	69.3
- Bet. Brighton Wy. and Wilshire Blvd.	50	10	35	35	1,223	1,208	12,155	10%	0	0	68.9
North Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	30	55	35	2,909	2,975	29,420	10%	0	0	70.6
- Bet. Rodeo Dr. and Beverly Dr.	50	30	55	35	2,944	2,970	29,570	10%	0	0	70.7
- Bet. Beverly Dr. and Canon Dr.	50	30	55	35	3,061	2,972	30,165	10%	0	0	70.8
South Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	10	35	35	2,095	2,252	21,735	10%	0	0	71.4
- Bet. Rodeo Dr. and Beverly Dr.	50	10	35	35	2,257	2,469	23,630	10%	0	0	71.8
- Bet. Beverly Dr. and Canon Dr.	50	10	35	35	2,088	2,219	21,535	10%	0	0	71.4
Brighton Way											
- Bet. Camden Dr. and Rodeo Dr.	30	10	25	25	569	399	4,840	10%	0	0	65.7
- Bet. Rodeo Dr. and Beverly Dr.	30	10	25	25	493	349	4,210	10%	0	0	65.1
- Bet. Beverly Dr. and Canon Dr.	30	10	25	25	421	428	4,245	10%	0	0	65.1

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Date Printed: 9/7/2021

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FHWA Off-Site Traffic Noise Calculations

Project: Cheval Blanc

Modeling Condition: Future No Project Conditions

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Peak Hour Volume (PHV) to Average Daily Traffic (ADT):	10%

	Model Input										**Model Results**
Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume AM Pk	Traffic Volume PM Pk	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Rodeo Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	70	20	55	35	540	600	5,700	10%	0	0	63.5
- Bet. S. Santa Monica Blvd. and Brighton Wy.	45	10	32.5	35	645	880	7,625	10%	0	0	67.2
- Bet. Brighton Wy. and Wilshire Blvd.	45	10	32.5	35	420	850	6,350	10%	0	0	66.4
Beverly Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	60	20	50	35	1,040	1,020	10,300	10%	0	0	66.5
- Bet. S. Santa Monica Blvd. and Brighton Wy.	50	10	35	35	1,315	1,310	13,125	10%	0	0	69.2
- Bet. Brighton Wy. and Wilshire Blvd.	50	10	35	35	1,280	1,230	12,550	10%	0	0	69.0
North Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	30	55	35	3,450	3,670	35,600	10%	0	0	71.5
- Bet. Rodeo Dr. and Beverly Dr.	50	30	55	35	3,485	3,670	35,775	10%	0	0	71.5
- Bet. Beverly Dr. and Canon Dr.	50	30	55	35	3,630	3,690	36,600	10%	0	0	71.6
South Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	10	35	35	2,270	2,460	23,650	10%	0	0	71.8
- Bet. Rodeo Dr. and Beverly Dr.	50	10	35	35	2,385	2,540	24,625	10%	0	0	72.0
- Bet. Beverly Dr. and Canon Dr.	50	10	35	35	2,265	2,400	23,325	10%	0	0	71.7
Brighton Way											
- Bet. Camden Dr. and Rodeo Dr.	30	10	25	25	600	410	5,050	10%	0	0	65.9
- Bet. Rodeo Dr. and Beverly Dr.	30	10	25	25	530	375	4,525	10%	0	0	65.4
- Bet. Beverly Dr. and Canon Dr.	30	10	25	25	450	420	4,350	10%	0	0	65.2

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Date Printed: 9/7/2021

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FHWA Off-Site Traffic Noise Calculations

Project: Cheval Blanc

Modeling Condition: Future + Project Conditions

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Peak Hour Volume (PHV) to Average Daily Traffic (ADT):	10%

	Model Input										**Model Results**
Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume AM Pk	Traffic Volume PM Pk	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Rodeo Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	70	20	55	35	542	607	5,745	10%	0	0	63.5
- Bet. S. Santa Monica Blvd. and Brighton Wy.	45	10	32.5	35	655	905	7,800	10%	0	0	67.3
- Bet. Brighton Wy. and Wilshire Blvd.	45	10	32.5	35	430	876	6,530	10%	0	0	66.5
Beverly Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	60	20	50	35	1,047	1,037	10,420	10%	0	0	66.5
- Bet. S. Santa Monica Blvd. and Brighton Wy.	50	10	35	35	1,398	1,438	14,180	10%	0	0	69.6
- Bet. Brighton Wy. and Wilshire Blvd.	50	10	35	35	1,295	1,271	12,830	10%	0	0	69.1
North Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	30	55	35	3,464	3,709	35,865	10%	0	0	71.5
- Bet. Rodeo Dr. and Beverly Dr.	50	30	55	35	3,497	3,702	35,995	10%	0	0	71.5
- Bet. Beverly Dr. and Canon Dr.	50	30	55	35	3,639	3,715	36,770	10%	0	0	71.6
South Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	10	35	35	2,281	2,491	23,860	10%	0	0	71.8
- Bet. Rodeo Dr. and Beverly Dr.	50	10	35	35	2,452	2,713	25,825	10%	0	0	72.2
- Bet. Beverly Dr. and Canon Dr.	50	10	35	35	2,284	2,449	23,665	10%	0	0	71.8
Brighton Way											
- Bet. Camden Dr. and Rodeo Dr.	30	10	25	25	607	430	5,185	10%	0	0	66.0
- Bet. Rodeo Dr. and Beverly Dr.	30	10	25	25	533	382	4,575	10%	0	0	65.5
- Bet. Beverly Dr. and Canon Dr.	30	10	25	25	462	446	4,540	10%	0	0	65.4

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Date Printed: 9/7/2021

4. Construction Vibration Calculations

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Project: Cheval Blanc Project EIR

Construction Vibration Impacts

Reference Levels at 25 feet are based on FTA, 2006 (Transit Noise and Vibration Impact Assessment)
Calculations using FTA procedure with n= **1.1** (for receptors 25 feet or greater)
n= **1.1** (for receptors less than 25 feet, per Caltrans procedure)

ON-SITE CONSTRUCTION ACTIVITIES

Table 1: Construction Equipment Vibration Levels (PPV) - Building Damages

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures (distance in feet), PPV				
		Single-story Commercial building to the north	Single-story Commercial building to the west	Single-story Commercial building to the west	Two-Story Commercial Buildings to the south	Writers and Artists Building to the west
		70	80	90	5	100
Large Bulldozer	0.089	0.029	0.025	0.022	0.523	0.019
Caisson Drilling	0.089	0.029	0.025	0.022	0.523	0.019
Loaded Trucks	0.076	0.025	0.021	0.019	0.446	0.017
Jackhammer	0.035	0.011	0.010	0.009	0.206	0.008
Small bulldozer	0.003	0.001	0.001	0.001	0.018	0.001
Significance Threshold, PPV		0.3	0.3	0.3	0.5	0.25

Table 2: Construction Equipment Vibration Levels (VdB) - Human Annoyance

Equipment	Reference Vibration Levels at 25 ft., VdB	Estimated Vibration Levels at Off-Site Receptors (at note distance in feet), VdB				
		R1	R2			
		280	525			
Large Bulldozer	87	56	47			
Caisson Drilling	87	56	47			
Loaded Trucks	86	55	46			
Jackhammer	79	48	39			
Small bulldozer	58	27	18			
Significance Threshold, VdB		75	72			

5. Cumulative Noise Analysis

5.a. Cumulative Off-Site Construction Noise

Project: Cheval Blanc Project EIR

Off-Site Haul Trucks - Cumulative Analysis

Between 8am and 10pm (hauling between 7pm and 10pm)
Departing Route: South SMB to West Burton, to San Vicente, to La Cienega, to I-10
Arriving Route: I-10, exit at Caddilac, to La Cienega, to San Vicente, to Burton Way, to SMB, to Project Site

Between 10pm and 7:30am (hauling only)
Departing Route: Beveverly Dr to Wilshire, to San Vicente, to La Cienega, to I-10
Arriving Route: I-10, exit at Caddilac, to La Cienega, to Wilshire, to Camden, to South SMB, to Project Site

Off-Site construction traffic noise levels (hourly Leq) are calculated based on the hourly traffic trips, using the FHWA TNM computer model.
The calculated hourly Leq noise levels are used to calculate the 24-hour CNEL levels, based on the anticipated construction hours.

		Estimated Related Projects Noise Levels (From TNM Outputs), Leq(hr) due to total daily truck trips							
Related Projects	Truck Trips Per Day	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
RP 1 (100 Crescent)	18	0.0	0.0	0.0	63.4	63.4	0.0	63.4	0.0
RP 16 (8633 Wilshire)	20	0.0	0.0	0.0	63.8	63.8	0.0	63.8	0.0
RP 18 (9111 Wilshire)	15	0.0	0.0	0.0	62.6	62.6	0.0	62.6	0.0
RP 19 (9145 Wilshire)	15	0.0	0.0	0.0	62.6	62.6	0.0	62.6	0.0
RP 11 (370 Rodeo)	19	65.2	61.3	63.6	0.0	0.0	64.0	0.0	65.2
RP 12 (400 Rodeo)	24	66.2	62.3	64.6	0.0	0.0	65.0	0.0	66.2

	Related Projects Noise Levels, CNEL							
	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
RP 1 (100 Crescent)	0.0	0.0	0.0	49.6	49.6	0.0	49.6	0.0
RP 16 (8633 Wilshire)	0.0	0.0	0.0	50.0	50.0	0.0	50.0	0.0
RP 18 (9111 Wilshire)	0.0	0.0	0.0	48.8	48.8	0.0	48.8	0.0
RP 19 (9145 Wilshire)	0.0	0.0	0.0	48.8	48.8	0.0	48.8	0.0
RP 11 (370 Rodeo)	51.4	47.5	49.8	0.0	0.0	50.2	0.0	51.4
RP 12 (400 Rodeo)	52.4	48.5	50.8	0.0	0.0	51.2	0.0	52.4
Total Noise Levels from Related Projects, CNEL	54.9	51.0	53.3	55.4	55.4	53.7	55.4	54.9

	Projects Noise Levels, CNEL							
	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition	55.6	51.7	54.0	64.0	61.0	61.0	63.6	60.6
2. P1 Grading/Excavation	58.6	54.7	57.0	67.0	64.1	64.0	66.6	63.6
3. P1 Construction (parking to grade)	59.1	55.2	57.6	57.4	54.5	55.3	57.6	54.5
4. P2 Demolition	55.6	51.7	54.0	64.0	61.0	61.0	63.6	60.6
5. P2 Grading/Excavation	58.6	54.7	57.0	67.0	64.1	64.0	66.6	63.6
6. P2 Construction (Parking)	59.1	55.2	57.6	57.4	54.5	55.3	57.6	54.5
7. P2 Construction (Hotel)	58.0	54.0	56.3	55.5	53.3	55.0	56.3	53.3
8. P2 Finishes/Arch. Coating	54.4	50.5	52.8	51.9	49.8	51.5	52.8	49.7
9. P2 Paving/Landscape	52.8	48.9	51.2	51.0	48.2	49.0	51.2	48.2
Ambient, CNEL	72.7	64.8	69.4	69.4	66.3	72.7	74.7	65.6

	Projects + Related Project, CNEL							
	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition	58.3	54.4	56.7	64.6	62.1	61.7	64.2	61.6
2. P1 Grading/Excavation	60.1	56.2	58.5	67.3	64.6	64.4	66.9	64.1
3. P1 Construction (parking to grade)	60.5	56.6	59.0	59.5	58.0	57.6	59.6	57.7
4. P2 Demolition	58.3	54.4	56.7	64.6	62.1	61.7	64.2	61.6
5. P2 Grading/Excavation	60.1	56.2	58.5	67.3	64.6	64.4	66.9	64.1
6. P2 Construction (Parking)	60.5	56.6	59.0	59.5	58.0	57.6	59.6	57.7
7. P2 Construction (Hotel)	59.7	55.8	58.1	58.5	57.5	57.4	58.9	57.2
8. P2 Finishes/Arch. Coating	57.7	53.8	56.1	57.0	56.5	55.7	57.3	56.0
9. P2 Paving/Landscape	57.0	53.1	55.4	56.7	56.2	55.0	56.8	55.7
Maximum Noise Levels, dBA (CNEL)	60.5	56.6	59.0	67.3	64.6	64.4	66.9	64.1

	Projects + Related Project + Ambient, CNEL							
	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition	72.9	65.2	69.6	70.6	67.7	73.0	75.1	67.1
2. P1 Grading/Excavation	72.9	65.4	69.7	71.5	68.5	73.3	75.4	67.9
3. P1 Construction (parking to grade)	73.0	65.4	69.8	69.8	66.9	72.8	74.8	66.3
4. P2 Demolition	72.9	65.2	69.6	70.6	67.7	73.0	75.1	67.1
5. P2 Grading/Excavation	72.9	65.4	69.7	71.5	68.5	73.3	75.4	67.9
6. P2 Construction (Parking)	73.0	65.4	69.8	69.8	66.9	72.8	74.8	66.3
7. P2 Construction (Hotel)	72.9	65.3	69.7	69.7	66.8	72.8	74.8	66.2
8. P2 Finishes/Arch. Coating	72.8	65.1	69.6	69.6	66.7	72.8	74.8	66.1
9. P2 Paving/Landscape	72.8	65.1	69.6	69.6	66.7	72.8	74.8	66.0
Maximum Noise Levels, dBA (CNEL), CUMULATIVE	73.0	65.4	69.8	71.5	68.5	73.3	75.4	67.9

	Estimated Cumulative Noise Increase, CNEL							
Phase	South SMB (Camden to Burton)	Burton / San Vicente (South SMB to La Cienega)	La Cienega (San Vicente to Wilshire)	La Cienega (Wilshire to I-10)	Cadillac (I-10 to La Cienega)1	Beverly Dr. (PS to Wilshire)1	Wilshire Blvd. (Camden to La Cienega)	Camden Dr. (Wilshire to South SMB)1
1. P1 Demolition	0.2	0.4	0.2	1.2	1.4	0.3	0.4	1.5
2. P1 Grading/Excavation	0.2	0.6	0.3	2.1	2.2	0.6	0.7	2.3
3. P1 Construction (parking to grade)	0.3	0.6	0.4	0.4	0.6	0.1	0.1	0.7
4. P2 Demolition	0.2	0.4	0.2	1.2	1.4	0.3	0.4	1.5
5. P2 Grading/Excavation	0.2	0.6	0.3	2.1	2.2	0.6	0.7	2.3
6. P2 Construction (Parking)	0.3	0.6	0.4	0.4	0.6	0.1	0.1	0.7
7. P2 Construction (Hotel)	0.2	0.5	0.3	0.3	0.5	0.1	0.1	0.6
8. P2 Finishes/Arch. Coating	0.1	0.3	0.2	0.2	0.4	0.1	0.1	0.5
9. P2 Paving/Landscape	0.1	0.3	0.2	0.2	0.4	0.1	0.1	0.4
Maximum Increase, dBA (CNEL), CUMULATIVE	0.3	0.6	0.4	2.1	2.2	0.6	0.7	2.3

Cumulative Truk Noise Analysis for Haul Route Segments within the City of Los Angels

Daytime Construction

Project Construction Trucks Noise Levels , Leq(hr)				
Phase	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
3. P1 Construction (parking to grade)	59.6	62.0	62.0	58.9
6. P2 Construction (Parking)	59.6	62.0	62.0	58.9
7. P2 Construction (Hotel)	56.9	59.3	59.3	56.3
8. P2 Finishes/Arch. Coating	53.3	55.6	55.6	52.6
9. P2 Paving/Landscape	53.3	55.6	55.6	52.6
Daytime Ambient, dBA Leq	64.8	68.3	68.3	64.8
Threshold, dBA Leq	69.8	73.3	73.3	69.8

Related Project Construction Trucks Noise Levels , Leq(hr)					
Related Project	Truck Trips Per Hour (assumed 8-hr work day)	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
RP 1 (100 Crescent)	3	0	0	55.6	55.6
RP 16 (8633 Wilshire)	3	0	0	55.6	55.6
RP 18 (9111 Wilshire)	2	0	0	53.8	53.8
RP 19 (9145 Wilshire)	2	0	0	53.8	53.8
RP 11 (370 Rodeo)	3	53.3	55.6	0.0	0.0
RP 12 (400 Rodeo)	3	53.3	55.6	0.0	0.0
Total noise from Related Projects, dBA Leq		56.3	58.6	59.8	59.8

Projects + Related Project, Leq(hr)				
Phase	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
3. P1 Construction (parking to grade)	61.3	63.6	64.1	62.4
6. P2 Construction (Parking)	61.3	63.6	64.1	62.4
7. P2 Construction (Hotel)	59.6	62	62.6	61.4
8. P2 Finishes/Arch. Coating	58.1	60.4	61.2	60.6
9. P2 Paving/Landscape	58.1	60.4	61.2	60.6

Projects + Related Project + Ambient, Leq(hr)				
Phase	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
3. P1 Construction (parking to grade)	66.4	69.6	69.7	66.8
6. P2 Construction (Parking)	66.4	69.6	69.7	66.8
7. P2 Construction (Hotel)	65.9	69.2	69.3	66.4
8. P2 Finishes/Arch. Coating	65.6	69	69.1	66.2
9. P2 Paving/Landscape	65.6	69.0	69.1	66.2

Estimated Cumulative Noise Increase, Leq(hr)				
Phase	Burton / San Vicente (Robertson to La Cienega)	La Cienega (San Vicente to Clifton)	La Cienega (Olympic to I-10)	Cadillac (I-10 to La Cienega)
3. P1 Construction (parking to grade)	1.6	1.3	1.4	2.0
6. P2 Construction (Parking)	1.6	1.3	1.4	2.0
7. P2 Construction (Hotel)	1.1	0.9	1.0	1.6
8. P2 Finishes/Arch. Coating	0.8	0.7	0.8	1.4
9. P2 Paving/Landscape	0.8	0.7	0.8	1.4
Maximum Increase, dBA (Leq), CUMULATIVE	1.6	1.3	1.4	2.0

5.b.i. TNM Noise Computer Model Inputs and Outputs

TNM Computer Noise Model calculates the off-site construction traffic from the Related Projects in terms of Leq.

The calculated Leq noise levels are used to calculate the 24-hour CNEL levels, as provided in the worksheets above (section 5.b).

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 1**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	0	0	0	0	18	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	12	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 1**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	0	0	0	0	18	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	12	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 1**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	0	0	0	0	18	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 1
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	12	1	0.0	63.4	66	63.4	10	----	63.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 11**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	0	0	0	0	19	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	13	1	250.0	35.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h		Increase over existing		Type Impact	With Barrier Calculated LAeq1h	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	13	1	0.0	65.2	66	65.2	10	----	65.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 11**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	0	0	0	0	19	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	13	1	250.0	35.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	13	1	0.0	65.2	66	65.2	10	----	65.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 11**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	0	0	0	0	19	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	13	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	13	1	0.0	64.0	66	64.0	10	----	64.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Po	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 11**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	0	0	0	0	19	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	13	1	250.0	85.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	13	1	0.0	61.3	66	61.3	10	----	61.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 11**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	0	0	0	0	19	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	13	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 11
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	With Barrier Noise Reduction Calculated	Noise Reduction Goal	With Barrier Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	13	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
South SMB	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 12**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
South SMB	Starting Point	1	0	0	0	0	24	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
South SMB	13	1	250.0	35.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
South SMB	13	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	1	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Camden	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 12**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Camden	Starting Point	1	0	0	0	0	24	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Camden	13	1	250.0	35.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Camden	13	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	1	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Beverly	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 12**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Beverly	Starting Point	1	0	0	0	0	24	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Beverly	13	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Beverly	13	1	0.0	65.0	66	65.0	10	----	65.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Burton	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 12**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Burton	Starting Point	1	0	0	0	0	24	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Burton	13	1	250.0	85.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Burton	13	1	0.0	62.3	66	62.3	10	----	62.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 12**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	0	0	0	0	24	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	13	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 12
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	13	1	0.0	64.6	66	64.6	10	----	64.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 16

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 16**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	0	0	0	0	20	35	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 16**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 16
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	12	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 16

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 16**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	0	0	0	0	20	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 16

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 16
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	12	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 16

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pt	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 16

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 16**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	0	0	0	0	20	35	0	0	0	0
	End Point	2										

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 16
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	12	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 18**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	0	0	0	0	15	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	12	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 18**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	0	0	0	0	15	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	12	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 18**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	0	0	0	0	15	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 18
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	12	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 19

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
La Cienega	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 19**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
La Cienega	Starting Point	1	0	0	0	0	15	35	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 19**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
La Cienega	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 19
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
La Cienega	12	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 19

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Cadillac	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
Sean Bui **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 19**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Cadillac	Starting Point	1	0	0	0	0	15	35	0	0	0	0
	End Point	2										

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 19

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Cadillac	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

Eyestone Environmental
Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 19
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Cadillac	12	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Eyestone Environmental 14 September 2021
Sean Bui TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 19

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Wilshire	12.0	Starting Pc	1	0.0	0.0	0.00	Signal	0.00	100	Average	
		End Point	2	1,000.0	0.0	0.00					

Eyestone Environmental **14 September 2021**
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INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 19**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Wilshire	Starting Point	1	0	0	0	0	15	35	0	0	0	0
	End Point	2										

Eyestone Environmental **14 September 2021**
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INPUT: RECEIVERS
PROJECT/CONTRACT: **Cheval Blanc Project**
RUN: **Related Project No. 19**

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilshire	12	1	250.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

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Sean Bui

14 September 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Cheval Blanc Project
RUN: Related Project No. 19
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Noise Reduction Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilshire	12	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

5.b. Cumulative Off-Site Operational Noise

AES
ACOUSTICAL ENGINEERING SERVICES

FHWA Off-Site Traffic Noise Calculations
Project: Cheval Blanc
Modeling Condition: Existing Conditions

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Peak Hour Volume (PHV) to Average Daily Traffic (ADT):	10%

	Model Input										**Model Results**
Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume AM Pk	Traffic Volume PM Pk	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Rodeo Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	70	20	55	35	500	544	5,220	10%	0	0	63.1
- Bet. S. Santa Monica Blvd. and Brighton Wy.	45	10	32.5	35	566	815	6,905	10%	0	0	66.7
- Bet. Brighton Wy. and Wilshire Blvd.	45	10	32.5	35	367	779	5,730	10%	0	0	65.9
Beverly Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	60	20	50	35	962	949	9,555	10%	0	0	66.2
- Bet. S. Santa Monica Blvd. and Brighton Wy.	50	10	35	35	1,238	1,238	12,380	10%	0	0	69.0
- Bet. Brighton Wy. and Wilshire Blvd.	50	10	35	35	1,208	1,167	11,875	10%	0	0	68.8
North Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	30	55	35	2,895	2,936	29,155	10%	0	0	70.6
- Bet. Rodeo Dr. and Beverly Dr.	50	30	55	35	2,932	2,939	29,355	10%	0	0	70.6
- Bet. Beverly Dr. and Canon Dr.	50	30	55	35	3,052	2,947	29,995	10%	0	0	70.7
South Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	10	35	35	2,084	2,221	21,525	10%	0	0	71.4
- Bet. Rodeo Dr. and Beverly Dr.	50	10	35	35	2,191	2,296	22,435	10%	0	0	71.6
- Bet. Beverly Dr. and Canon Dr.	50	10	35	35	2,069	2,170	21,195	10%	0	0	71.3
Brighton Way											
- Bet. Camden Dr. and Rodeo Dr.	30	10	25	25	562	379	4,705	10%	0	0	65.6
- Bet. Rodeo Dr. and Beverly Dr.	30	10	25	25	491	343	4,170	10%	0	0	65.1
- Bet. Beverly Dr. and Canon Dr.	30	10	25	25	409	402	4,055	10%	0	0	64.9

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Date Printed: 9/7/2021

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FHWA Off-Site Traffic Noise Calculations
Project: Cheval Blanc
Modeling Condition: Cumultive Conditions

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Peak Hour Volume (PHV) to Average Daily Traffic (ADT):	10%

	Model Input										**Model Results**
Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume AM Pk	Traffic Volume PM Pk	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Rodeo Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	70	20	55	35	542	607	5,745	10%	0	0	63.5
- Bet. S. Santa Monica Blvd. and Brighton Wy.	45	10	32.5	35	655	905	7,800	10%	0	0	67.3
- Bet. Brighton Wy. and Wilshire Blvd.	45	10	32.5	35	430	876	6,530	10%	0	0	66.5
Beverly Drive											
- Bet. Carmelita Ave. and N. Santa Monica Blvd.	60	20	50	35	1,047	1,037	10,420	10%	0	0	66.5
- Bet. S. Santa Monica Blvd. and Brighton Wy.	50	10	35	35	1,398	1,438	14,180	10%	0	0	69.6
- Bet. Brighton Wy. and Wilshire Blvd.	50	10	35	35	1,295	1,271	12,830	10%	0	0	69.1
North Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	30	55	35	3,464	3,709	35,865	10%	0	0	71.5
- Bet. Rodeo Dr. and Beverly Dr.	50	30	55	35	3,497	3,702	35,995	10%	0	0	71.5
- Bet. Beverly Dr. and Canon Dr.	50	30	55	35	3,639	3,715	36,770	10%	0	0	71.6
South Santa Monica Boulevard											
- Bet. Camden Dr. and Rodeo Dr.	50	10	35	35	2,281	2,491	23,860	10%	0	0	71.8
- Bet. Rodeo Dr. and Beverly Dr.	50	10	35	35	2,452	2,713	25,825	10%	0	0	72.2
- Bet. Beverly Dr. and Canon Dr.	50	10	35	35	2,284	2,449	23,665	10%	0	0	71.8
Brighton Way											
- Bet. Camden Dr. and Rodeo Dr.	30	10	25	25	607	430	5,185	10%	0	0	66.0
- Bet. Rodeo Dr. and Beverly Dr.	30	10	25	25	533	382	4,575	10%	0	0	65.5
- Bet. Beverly Dr. and Canon Dr.	30	10	25	25	462	446	4,540	10%	0	0	65.4

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

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