

Flower Street

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF 9TH							FLOWER ST		
Project No.		Date:				Hardness=	0.00		
ADT=	22330	%ADT=	10.0	%Auto=	90.0	%M Tr=	5.0	%H Tr=	5.0
		Speed=	35.0	#Auto=	2009.7	#M Tr=	111.6	#H Tr=	111.6
Grade correction for trucks:									
Dist=	39.1	Left dist=	-999,999	Right dist=	999,999				

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 68.42 Leq(MT)= 65.55 Leq(HT)= 70.75 Leq= 73.51 CNEL= 73.11

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF 9TH						FLOWER ST
Project No.		Date:				Hardness= 0.00
ADT= 6300	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0		
	Speed= 35.0	#Auto= 567.0	#M Tr= 31.5	#H Tr= 31.5		
Grade correction for trucks: 0 db(A)						
Dist= 39.1		Left dist= -999,999		Right dist= 999,999		

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 62.92 Leq(MT)= 60.06 Leq(HT)= 65.25 Leq= 68.01 CNEL= 67.61

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF 9TH					FLOWER ST	
Project No.	Date:				Hardness= 0.00	
ADT= 7600	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0		
	Speed= 35.0	#Auto= 684.0	#M Tr= 38.0	#H Tr= 38.0		
Grade correction for trucks: 0 db(A)						
Dist= 39.1	Left dist= -999,999		Right dist= 999,999			

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 63.74 Leq(MT)= 60.87 Leq(HT)= 66.07 Leq= 68.83 CNEL= 68.43

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF 9TH						FLOWER ST
Project No.	Date:					Hardness= 0.00
ADT= 11860	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0		
	Speed= 35.0	#Auto= 1067.4	#M Tr= 59.3	#H Tr= 59.3		
Grade correction for trucks:	0 db(A)					
Dist= 39.1	Left dist= -999,999		Right dist= 999,999			

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 65.67 Leq(MT)= 62.81 Leq(HT)= 68.00 Leq= 70.76 CNEL= 70.36

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF 9TH
Project No.

FLOWER ST
Hardness= 0.00

Date:

ADT= 23420 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 2107.8 #M Tr= 117.1 #H Tr= 117.1

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 68.62 Leq(MT)= 65.76 Leq(HT)= 70.96 Leq= 73.71 CNEL= 73.31

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF 9TH							FLOWER ST
Project No.		Date:					Hardness= 0.00
ADT= 3281	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0			
	Speed= 35.0	#Auto= 295.3	#M Tr= 16.4	#H Tr= 16.4			
Grade correction for trucks: 0 db(A)							
Dist= 39.1		Left dist= -999,999		Right dist= 999,999			

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 60.09 Leq(MT)= 57.23 Leq(HT)= 62.42 Leq= 65.18 CNEL= 64.78

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF 9TH FLOWER ST
Project No. Date: Hardness= 0.00

ADT= 13430 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 1208.7 #M Tr= 67.2 #H Tr= 67.2

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 66.21 Leq(MT)= 63.35 Leq(HT)= 68.54 Leq= 71.30 CNEL= 70.90

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF 9TH
Project No.

Date:

FLOWER ST
Hardness= 0.00

ADT= 16060 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
 Speed= 35.0 #Auto= 1445.4 #M Tr= 80.3 #H Tr= 80.3
Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 66.99 Leq(MT)= 64.12 Leq(HT)= 69.32 Leq= 72.08 CNEL= 71.68

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF 9TH						FLOWER ST
Project No.		Date:				Hardness= 0.00
ADT= 20630	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0		
	Speed= 35.0	#Auto= 1856.7	#M Tr= 103.1	#H Tr= 103.1		
Grade correction for trucks:	0 db(A)					
Dist= 39.1		Left dist= -999,999		Right dist= 999,999		

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 68.07 Leq(MT)= 65.21 Leq(HT)= 70.41 Leq= 73.16 CNEL= 72.76

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF OLYMPIC
Project No.

Date:

FLOWER ST
Hardness= 0.00

ADT= 27360 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
 Speed= 35.0 #Auto= 2462.4 #M Tr= 136.8 #H Tr= 136.8
Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 69.30 Leq(MT)= 66.44 Leq(HT)= 71.63 Leq= 74.39 CNEL= 73.99

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF OLYMPIC
Project No. Date: FLOWER ST
Hardness= 0.00

ADT= 31470 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 2832.3 #M Tr= 157.3 #H Tr= 157.3
Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 69.91 Leq(MT)= 67.04 Leq(HT)= 72.24 Leq= 75.00 CNEL= 74.60

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF OLYMPIC
Project No. Date: FLOWER ST
Hardness= 0.00
ADT= 14390 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 1295.1 #M Tr= 71.9 #H Tr= 71.9
Grade correction for trucks: 0 db(A)
Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 66.51 Leq(MT)= 63.65 Leq(HT)= 68.84 Leq= 71.60 CNEL= 71.20

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF OLYMPIC
Project No. Date: FLOWER ST
Hardness= 0.00

ADT= 17100	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0
	Speed= 35.0	#Auto= 1539.0	#M Tr= 85.5	#H Tr= 85.5

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 67.26 Leq(MT)= 64.40 Leq(HT)= 69.59 Leq= 72.35 CNEL= 71.95

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF OLYMPIC					FLOWER ST
Project No.		Date:			Hardness= 0.00
ADT= 21570	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0	
	Speed= 35.0	#Auto= 1941.3	#M Tr= 107.8	#H Tr= 107.8	
Grade correction for trucks: 0 db(A)					
Dist= 39.1		Left dist= -999,999		Right dist= 999,999	

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 68.27 Leq(MT)= 65.40 Leq(HT)= 70.60 Leq= 73.36 CNEL= 72.96

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF OLYMPIC
Project No. Date: FLOWER ST
Hardness= 0.00

ADT= 29510 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 2655.9 #M Tr= 147.6 #H Tr= 147.6

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 69.63 Leq(MT)= 66.77 Leq(HT)= 71.96 Leq= 74.72 CNEL= 74.32

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF OLYMPIC
Project No. Date: FLOWER ST
Hardness= 0.00

ADT= 11580	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0
	Speed= 35.0	#Auto= 1042.2	#M Tr= 57.9	#H Tr= 57.9

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 65.57 Leq(MT)= 62.70 Leq(HT)= 67.90 Leq= 70.66 CNEL= 70.26

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF PICO							FLOWER ST
Project No.		Date:					Hardness= 0.00
ADT= 2612	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0			
	Speed= 35.0	#Auto= 235.1	#M Tr= 13.1	#H Tr= 13.1			
Grade correction for trucks: 0 db(A)							
Dist= 39.1		Left dist= -999,999		Right dist= 999,999			

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 59.10 Leq(MT)= 56.24 Leq(HT)= 61.43 Leq= 64.19 CNEL= 63.79

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF PICO
Project No. Date: FLOWER ST
Hardness= 0.00

ADT= 7850	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0
	Speed= 35.0	#Auto= 706.5	#M Tr= 39.3	#H Tr= 39.3

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 63.88 Leq(MT)= 61.01 Leq(HT)= 66.21 Leq= 68.97 CNEL= 68.57

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF PICO
Project No. Date: FLOWER ST
Hardness= 0.00

ADT= 9940	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0
	Speed= 35.0	#Auto= 894.6	#M Tr= 49.7	#H Tr= 49.7

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 64.90 Leq(MT)= 62.04 Leq(HT)= 67.24 Leq= 69.99 CNEL= 69.59

Table . BARRIER ANALYSIS COMPUTATIONS

Case: N OF PICO
Project No. Date: FLOWER ST
Hardness= 0.00

ADT= 11350 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 1021.5 #M Tr= 56.8 #H Tr= 56.8

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 65.48 Leq(MT)= 62.62 Leq(HT)= 67.81 Leq= 70.57 CNEL= 70.17

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF PICO
Project No. Date: FLOWER ST
Hardness= 0.00
ADT= 21820 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 1963.8 #M Tr= 109.1 #H Tr= 109.1
Grade correction for trucks: 0 db(A)
Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 68.32 Leq(MT)= 65.45 Leq(HT)= 70.65 Leq= 73.41 CNEL= 73.01

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF PICO						FLOWER ST
Project No.		Date:				Hardness= 0.00
ADT= 26600	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0		
	Speed= 35.0	#Auto= 2394.0	#M Tr= 133.0	#H Tr= 133.0		
Grade correction for trucks: 0 db(A)						
Dist= 39.1		Left dist= -999,999		Right dist= 999,999		

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 69.18 Leq(MT)= 66.31 Leq(HT)= 71.51 Leq= 74.27 CNEL= 73.87

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF PICO						FLOWER ST
Project No.		Date:				Hardness= 0.00
ADT= 28050	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0		
	Speed= 35.0	#Auto= 2524.5	#M Tr= 140.3	#H Tr= 140.3		
Grade correction for trucks:	0 db(A)					
Dist= 39.1		Left dist= -999,999		Right dist= 999,999		

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 69.41 Leq(MT)= 66.55 Leq(HT)= 71.74 Leq= 74.50 CNEL= 74.10

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF PICO
Project No. Date: FLOWER ST
Hardness= 0.00
ADT= 7250 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 652.5 #M Tr= 36.3 #H Tr= 36.3
Grade correction for trucks: 0 db(A)
Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 63.53 Leq(MT)= 60.67 Leq(HT)= 65.86 Leq= 68.62 CNEL= 68.22

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF PICO
Project No. Date: FLOWER ST
Hardness= 0.00

ADT= 7250 %ADT= 10.0 %Auto= 90.0 %M Tr= 5.0 %H Tr= 5.0
Speed= 35.0 #Auto= 652.5 #M Tr= 36.3 #H Tr= 36.3

Grade correction for trucks: 0 db(A)

Dist= 39.1 Left dist= -999,999 Right dist= 999,999

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 63.53 Leq(MT)= 60.67 Leq(HT)= 65.86 Leq= 68.62 CNEL= 68.22

Table . BARRIER ANALYSIS COMPUTATIONS

Case: S OF PICO						FLOWER ST
Project No.		Date:				Hardness= 0.00
ADT= 10510	%ADT= 10.0	%Auto= 90.0	%M Tr= 5.0	%H Tr= 5.0		
	Speed= 35.0	#Auto= 945.9	#M Tr= 52.5	#H Tr= 52.5		
Grade correction for trucks: 0 db(A)						
Dist= 39.1		Left dist= -999,999		Right dist= 999,999		

NOISE LEVELS WITHOUT BARRIER OR TOP-OF-SLOPE

Leq(A)= 65.14 Leq(MT)= 62.28 Leq(HT)= 67.48 Leq= 70.23 CNEL= 69.83