Appendix 4.6-B

Noise Impact Calculations



FTA Train Calculations



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Attleboro Diesel



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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Sev	vere	Мо	derate	No Impact		
Existing dba	greater than				less than	farther than	
	dBA	feet	dBA	feet	dBA	feet	
60	63	115	58-63	115-225	58	225	
61	64	100	59-64	100-200	59	200	
62	64	100	59-64	100-200	59	200	
63	65	75	60-65	75-175	60	175	
64	65	75	60-65	75-175	60	175	
65	66	65	61-66	65-150	61	150	
66	67	55	62-67	55-135	62	135	
67	67	55	62-67	62-67 55-135		135	
68	68	50	63-68	50-115	63	115	
69	69	45	64-69	45-100	64	100	
70	69	45	64-69	45-100	64	100	
71	70	40	66-70	40-65	66	65	
72	71	30	66-71	30-65	66	65	

				Severe - closer than	Quantity	Moderate - closer than	Quantity
Segment	MP	No-build	Build	(feet)	Severe	(feet)	Moderate
Brock Street	4.30	63	65	65	3	150	8
Plain Street	4.60	59	62	100	8	200	14
Morton Street	5.20	69	70	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	69	45	0	100	10
Oliver Street	7.80	58	63	75	0	175	2
Pond Street	7.90	58	61	75	0	175	8
Main Street	8.05	63	65	55	6	135	15
Bridge Street	8.40	58	61	100	2	200	15
Short Street	9.55	64	66	55	0	135	5
Depot Street/123	10.00	65	67	45	0	100	1
Purchase Street	10.20	61	64	75	0	175	2
Prospect Street	10.90	60	62	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	61	100	4	200	3
Carver Street	15.80	60	64	100	1	200	1
Route 138	16.40	67	68	45	0	100	4
Britton Street	16.50	57	61	115	4	225	4
King Phillip Street	17.10	63	68	55	4	135	3
Longmeadow Road	18.90	67	69	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	69	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing
Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					-
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



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				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn¹
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
]	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} \ computed \ using: \ 10*LOG((15*10^{(}L_{eq}day/10))+(9*10^{(}(L_{eq}nite+10)/10)))-13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS	·		·	·	
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		
Dist. to receiver	distance (ft)	50	distance (ft)	50		
Daytime Hours	speed (mph)	30	speed (mph)	30		
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	30	speed (mph)	30		
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	Y	Y/N	Y		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fal Modeled Noise L		Crossing Type -					Le			difference (Build - Existing)		Ldn			difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	59	58	59	62	4	62	65	66	67	2
2 Plain Street	4.60	G	Yes	30	75	56	60	61	62	2	59	62	63	65	2
3 Morton Street	5.20	G	Yes	30	100	60	67	68	69	2	63	72	73	73	1
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	64	65	65	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	60	65	66	67	2	63	70	71	72	2
5 Oliver Street	7.80	G	Yes	30	100	59	63	64	65	2	61	63	64	66	3
6 Pond Street	7.90	UG	No	30	100	56	62	63	63	2	59	63	64	65	2
7 Main Street	8.05	ОН	No	40	75	59	64	65	66	2	61	66	67	68	2
8 Bridge Street	8.40	ОН	No	50	75	56	58	59	61	3	59	61	62	64	3
9 Short Street	9.55	G	Yes	70	100	59	63	64	65	2	61	67	68	69	2
10 Depot Street/123	10.00	G	Yes	70	75	60	67	68	69	2	63	69	70	71	2
11 Purchase Street	10.20	G	Yes	70	300	59	60	61	63	3	61	64	65	66	3
12 Prospect Street	10.90	G	Yes	70	100	55	55	56	58	4	58	62	63	64	2
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	65	66	66	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	56	58	59	61	3	59	61	62	63	3
14 Carver Street	15.80	G	Yes	70	75	59	56	57	61	5	61	62	63	65	3
15 Route 138	16.40	G	Yes	70	75	59	65	66	67	2	61	70	71	71	1
16 Britton Street	16.50	G	Yes	70	75	56	58	59	61	3	59	60	61	63	3
17 King Phillip Street	17.10	G	Yes	70	100	63	64	65	67	3	66	66	67	70	3
18 Longmeadow Road	18.90	G	Yes	30	300	63	61	62	66	5	66	69	70	71	2
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	54	55	57	3
19 Dean Street	19.40	G	Yes	30	75	64	65	66	68	3	66	68	69	71	3
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	68	69	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!	-	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!

New Bedford/Fa Modeled Noise		Crossing Type -				5.11	Le			difference (Build - Existing)		Ldn	ı	5	difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	59	58	59	62	4	62	62	63	65	3
2 Plain Street	4.60	G	Yes	30	75	56	60	61	62	2	59	58	59	62	4
3 Morton Street	5.20	G	Yes	30	100	60	67	68	69	2	63	68	69	70	2
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	60	65	66	67	2	63	66	67	69	3
5 Oliver Street	7.80	G	Yes	30	100	59	63	64	65	2	61	57	58	63	6
6 Pond Street	7.90	UG	No	30	100	56	62	63	63	2	59	57	58	61	4
7 Main Street	8.05	ОН	No	40	75	59	64	65	66	2	61	62	63	65	3
8 Bridge Street	8.40	ОН	No	50	75	56	58	59	61	3	59	57	58	61	4
9 Short Street	9.55	G	Yes	70	100	59	63	64	65	2	61	63	64	66	3
10 Depot Street/123	10.00	G	Yes	70	75	60	67	68	69	2	63	64	65	67	3
11 Purchase Street	10.20	G	Yes	70	300	59	60	61	63	3	61	60	61	64	4
12 Prospect Street	10.90	G	Yes	70	100	55	55	56	58	4	58	59	60	62	3
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	56	58	59	61	3	59	56	57	61	5
14 Carver Street	15.80	G	Yes	70	75	59	56	57	61	5	61	59	60	64	5
15 Route 138	16.40	G	Yes	70	75	59	65	66	67	2	61	66	67	68	2
16 Britton Street	16.50	G	Yes	70	75	56	58	59	61	3	59	56	57	61	5
17 King Phillip Street	17.10	G	Yes	70	100	63	64	65	67	3	66	62	63	68	6
18 Longmeadow Road	18.90	G	Yes	30	300	63	61	62	66	5	66	66	67	69	3
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	64	65	66	68	3	66	64	65	69	5
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!	-	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!

Federal Transit Adminstration
General Transit Noise Assessment
Case: Richardson Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	59	54
58	56	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	145	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Frontier Dr

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
56	53	48
56	53	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Pleasant St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	56
61	58	53
59	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	75	distance (ft)	75		
Daytime Hours	speed (mph)	45	speed (mph)	45		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	45	speed (mph)	45		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	O		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

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General Transit Noise Assessment
Case: Pike Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	56
61	58	53
59	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	75	distance (ft)	75		
Daytime Hours	speed (mph)	45	speed (mph)	45		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	45	speed (mph)	45		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	O		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3 4	
RRT/LRT		
AGT, Steel Wheel	5 6 7 8 9	
AGT, Rubber Tire	6	
Monorail	7	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows				•		
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
56	53	48
56	53	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Dean / Worcester

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

∟eq - daytime (dB)	Leq - nighttime (dB)
59	54
56	51
55	50
	59 56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS			
Parameter	Source 1	Source 2	Source 3
Source Num.	Diesel Loco.	Comm. Rail Cars	0
Dist. to receiver	distance (ft) 10	distance (ft) 108	
Daytime Hours	speed (mph) 50	speed (mph) 50	
(7 AM - 10 PM)	trains/hour :	trains/hour	
	locos/train	cars/train	
Nighttime Hours	speed (mph) 5	speed (mph) 50	
(10 PM - 7 AM)	trains/hour	trains/hour	
	locos/train	cars/train	
Jointed Track?	Y/N N	Y/N N	
Embedded Track?	Y/N N	Y/N N	
Aerial Structure?	Y/N N	Y/N N	
Barrier Present?	Y/N N	Y/N N	
Intervening Rows			
of Buildings	number	number	

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
56	53	48
56	53	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Woodward St

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		O
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows		***************************************				0,0,0,0,0,0,0
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Taunton Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	55
59	57	52
60	57	52
	<u> </u>	

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						3555555555555555
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Õ
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
58	55	50
54	52	47
55	52	47

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	275	distance (ft)	275		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Crane Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Powderhorn Dr

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Leq - daytime (dB)	Leq - nighttime (dB)
56	51
53	48
53	49
	56 53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Fremont St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: W. Britanna St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		O
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows		***************************************				0,0,0,0,0,0,0
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Edwards Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
56	53	48
56	53	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	3	
RRT/LRT	4	
AGT, Steel Wheel	5 6 7 8	
AGT, Rubber Tire	6	
Monorail	7	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Danforth St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Horton St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
56	53	48
56	53	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Tremont St (140)

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

_eq - daytime (dB)	Leq - nighttime (dB)
63	58
60	55
60	56
	63 60

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	75	distance (ft)	75		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	O		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Winthrop St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
63	61	56
62	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	55	distance (ft)	55		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	50		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Webster St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	59	54
59	57	52
58	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	50		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration General Transit Noise Assessment Case:

Weir St / Somerset Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	64	59
64	61	56
63	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	50	distance (ft)	50		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	50		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3 4		
RRT/LRT	4		
AGT, Steel Wheel	5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		



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Attleboro Electric



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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Sev	vere	Мо	derate	No	Impact
Existing dba	greater than			<u>between</u>	less than	farther than
	dBA	feet	dBA	feet	dBA	feet
60	63	115	58-63	115-225	58	225
61	64	100	59-64	100-200	59	200
62	64	100	59-64	100-200	59	200
63	65	75	60-65	75-175	60	175
64	65	75	60-65	75-175	60	175
65	66	65	61-66	65-150	61	150
66	67	55	62-67	55-135	62	135
67	67	55	62-67	55-135	62	135
68	68	50	63-68	50-115	63	115
69	69	45	64-69	45-100	64	100
70	69	45	64-69	45-100	64	100
71	70	40	66-70	40-65	66	65
72	71	30	66-71	30-65	66	65

				Severe - closer than	Quantity	Moderate - closer than	Quantity
Segment	MP	No-build	Build	(feet)	Severe	(feet)	Moderate
Brock Street	4.30	63	65	65	3	150	8
Plain Street	4.60	59	62	100	8	200	14
Morton Street	5.20	69	70	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	68	45	0	100	10
Oliver Street	7.80	58	63	75	0	175	2
Pond Street	7.90	58	61	75	0	175	8
Main Street	8.05	63	65	55	6	135	15
Bridge Street	8.40	58	61	100	2	200	15
Short Street	9.55	64	66	55	0	135	5
Depot Street/123	10.00	65	67	45	0	100	1
Purchase Street	10.20	61	64	75	0	175	2
Prospect Street	10.90	60	62	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	61	100	4	200	3
Carver Street	15.80	60	61	100	1	200	1
Route 138	16.40	67	68	45	0	100	4
Britton Street	16.50	57	61	115	4	225	4
King Phillip Street	17.10	63	68	55	4	135	3
Longmeadow Road	18.90	67	69	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	68	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



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				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn1
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} computed using: 10*LOG((15*10^(L_{eq}day/10))+(9*10^((L_{eq}nite+10)/10)))-13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS								
Parameter	Source 1		Source 2		Source 3				
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3					
Dist. to receiver	distance (ft)	50	distance (ft)	50					
Daytime Hours	speed (mph)	30	speed (mph)	30					
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47					
	locos/train	1	cars/train	8					
Nighttime Hours	speed (mph)	30	speed (mph)	30					
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33					
	locos/train	1	cars/train	8					
Jointed Track?	Y/N	N	Y/N	N					
Embedded Track?	Y/N	Y	Y/N	Y					
Aerial Structure?	Y/N	N	Y/N	N					
Barrier Present?	Y/N	N	Y/N	N					
Intervening Rows						_			
of Buildings	number	0	number	0					

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fal Modeled Noise L		Crossing Type -				5.11	Le			difference (Build - Existing)		Ldn			difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	58	58	59	62	3	61	62	63	65	3
2 Plain Street	4.60	G	Yes	30	75	56	60	61	62	2	59	58	59	62	4
3 Morton Street	5.20	G	Yes	30	100	60	67	68	69	2	63	68	69	70	2
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	60	65	66	67	2	63	66	67	68	2
5 Oliver Street	7.80	G	Yes	30	100	58	63	64	65	2	61	57	58	63	6
6 Pond Street	7.90	UG	No	30	100	56	62	63	63	2	59	57	58	61	4
7 Main Street	8.05	ОН	No	40	75	58	64	65	65	2	61	62	63	65	3
8 Bridge Street	8.40	ОН	No	50	75	56	58	59	61	3	59	57	58	61	4
9 Short Street	9.55	G	Yes	70	100	58	63	64	65	2	61	63	64	66	3
10 Depot Street/123	10.00	G	Yes	70	75	61	67	68	69	2	63	64	65	67	3
11 Purchase Street	10.20	G	Yes	70	300	58	60	61	63	3	61	60	61	64	4
12 Prospect Street	10.90	G	Yes	70	100	55	55	56	58	4	58	59	60	62	3
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	56	58	59	61	3	59	56	57	61	5
14 Carver Street	15.80	G	Yes	70	75	52	56	57	58	2	55	59	60	61	2
15 Route 138	16.40	G	Yes	70	75	58	65	66	67	2	61	66	67	68	2
16 Britton Street	16.50	G	Yes	70	75	56	58	59	61	3	59	56	57	61	5
17 King Phillip Street	17.10	G	Yes	70	100	63	64	65	67	3	66	62	63	68	6
18 Longmeadow Road	18.90	G	Yes	30	300	63	61	62	66	5	66	66	67	69	3
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	63	65	66	68	3	66	64	65	68	4
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!		1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



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Federal Transit Adminstration
General Transit Noise Assessment
Case: Richardson Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
56	53	49
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Frontier Dr

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
54	52	47
57	54	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Pleasant St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	55
59	57	52
60	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	70	distance (ft)	70		
Daytime Hours	speed (mph)	45	speed (mph)	45		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	45	speed (mph)	45		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Pike Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	55
59	57	52
60	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	70	distance (ft)	70		
Daytime Hours	speed (mph)	45	speed (mph)	45		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	45	speed (mph)	45		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55 50	52 50	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	59	56	51
	53	51	46
	57	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	300	distance (ft)	300		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Dean / Worcester

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
57	55	50
58	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS				
Parameter	Source 1	Source 2		Source 3
Source Num.	Electric Loco.	1 Comm. Rail Cars	3	0
Dist. to receiver	distance (ft)	00 distance (ft)	100	
Daytime Hours	speed (mph)	speed (mph)	50	
(7 AM - 10 PM)	trains/hour	3 trains/hour	3	
	locos/train	1 cars/train	8	
Nighttime Hours	speed (mph)	speed (mph)	50	
(10 PM - 7 AM)	trains/hour	1 trains/hour	1	
	locos/train	1 cars/train	8	
Jointed Track?	Y/N N	Y/N	N	
Embedded Track?	Y/N N	Y/N	N	
Aerial Structure?	Y/N N	Y/N	N	
Barrier Present?	Y/N N	Y/N	N	
Intervening Rows				
of Buildings	number	0 number	0	

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
53	51	46
57	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	300	distance (ft)	300		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Woodward St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55	52	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Taunton Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	61	56
58	55	50
62	59	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55	52	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
58	55	50
52	50	45
56	54	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	350	distance (ft)	350		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Crane Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55 50	52 50	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Powderhorn Dr

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
53	51	46
57	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	300	distance (ft)	300		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	2 3 4 5 6 7 8 9			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Fremont St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	55	52	47
	49	47	42
	53	51	46
	55	31	40

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	550	distance (ft)	550		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: W. Britanna St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55	52	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Edwards Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
53	51	46
57	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	<u>a</u>

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	300	distance (ft)	300		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Danforth St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55	52	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Horton St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
53	51	46
57	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	300	distance (ft)	300		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	2 3 4 5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Tremont St (140)

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
60	58	53
64	62	57

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	2 3 4 5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Winthrop St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
62	59	54
64	61	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	50	distance (ft)	45		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	50		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows		101010101010101010101				
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	2 3 4 5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Webster St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	60	55
59	56	51
60	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	80	distance (ft)	80		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	50		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	5 6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration General Transit Noise Assessment Case:

Weir St / Somerset Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
62	59	54
64	61	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	50	distance (ft)	45		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	50		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ů.	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	2 3 4 5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		



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Fall River Diesel



New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	When Severe		Мо	derate	No	Impact
Existing dba	greater than	closer than feet	<u>between</u> dBA	<u>between</u> feet	less than dBA	farther than feet
	dBA	icei	UDA	ieet	UDA	ieei
60	63	115	58-63	115-225	58	225
61	64	100	59-64	100-200	59	200
62	64	100	59-64	100-200	59	200
63	65	75	60-65	75-175	60	175
64	65	75	60-65	75-175	60	175
65	66	65	61-66	65-150	61	150
66	67	55	62-67	55-135	62	135
67	67	55	62-67	55-135	62	135
68	68	50	63-68	50-115	63	115
69	69	45	64-69	45-100	64	100
70	69	45	64-69	45-100	64	100
71	70	40	66-70	40-65	66	65
72	71	30	66-71	30-65	66	65

Segment	MP	No-build	Build	Severe - closer than (feet)	Quantity Severe	Moderate - closer than (feet)	Quantity Moderate
Brock Street	4.30	63	65	65	3	150	8
Plain Street	4.60	59	62	100	8	200	14
Morton Street	5.20	69	69	30	0	65	0
North Easton Station	6.40	62	62	30 75	0	175	0
Elm Street (MP 7.60)	7.60	67	68	45 	0	100	10
Oliver Street	7.80	58	62	75	0	175	2
Pond Street	7.90	58	64	75	0	175	8
Main Street	8.05	63	65	55	6	135	15
Bridge Street	8.40	58	63	100	2	200	15
Short Street	9.55	64	65	55	0	135	5
Depot Street/123	10.00	65	66	45	0	100	1
Purchase Street	10.20	61	64	75	0	175	2
Prospect Street	10.90	60	63	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	62	100	4	200	3
Carver Street	15.80	60	64	100	1	200	1
Route 138	16.40	67	#REF!	45	0	100	4
Britton Street	16.50	57	#REF!	115	4	225	4
King Phillip Street	17.10	63	#REF!	55	4	135	3
Longmeadow Road	18.90	67	#REF!	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	#REF!	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn1
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
1	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} \ computed \ using: \ 10*LOG((15*10^{(}L_{eq}day/10))+(9*10^{(}(L_{eq}nite+10)/10)))-13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS								
Parameter	Source 1		Source 2		Source 3			
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3				
Dist. to receiver	distance (ft)	50	distance (ft)	50				
Daytime Hours	speed (mph)	30	speed (mph)	30				
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47				
	locos/train	1	cars/train	8				
Nighttime Hours	speed (mph)	30	speed (mph)	30				
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33				
	locos/train	1	cars/train	8				
Jointed Track?	Y/N	N	Y/N	N				
Embedded Track?	Y/N	Y	Y/N	Y				
Aerial Structure?	Y/N	N	Y/N	N				
Barrier Present?	Y/N	N	Y/N	N				
Intervening Rows						_		
of Buildings	number	0	number	0				

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fa Modeled Noise		Crossing Type -				5.11	Le			difference (Build - Existing)		Ldn		5 ".	difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	57	58	59	61	3	61	62	63	65	3
2 Plain Street	4.60	G	Yes	30	75	55	60	61	62	2	59	58	59	62	4
3 Morton Street	5.20	G	Yes	30	100	55	67	68	68	1	59	68	69	69	1
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	59	65	66	67	2	63	66	67	68	2
5 Oliver Street	7.80	G	Yes	30	100	55	63	64	65	2	59	57	58	62	5
6 Pond Street	7.90	UG	No	30	100	59	62	63	64	2	63	57	58	64	7
7 Main Street	8.05	ОН	No	40	75	57	64	65	65	2	61	62	63	65	3
8 Bridge Street	8.40	ОН	No	50	75	57	58	59	61	3	61	57	58	63	6
9 Short Street	9.55	G	Yes	70	100	55	63	64	65	2	59	63	64	65	2
10 Depot Street/123	10.00	G	Yes	70	75	57	67	68	69	1	61	64	65	66	2
11 Purchase Street	10.20	G	Yes	70	300	57	60	61	63	2	61	60	61	64	4
12 Prospect Street	10.90	G	Yes	70	100	55	55	56	58	4	59	59	60	63	4
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	57	58	59	61	3	61	56	57	62	6
14 Carver Street	15.80	G	Yes	70	75	57	56	57	60	4	61	59	60	64	5
15 Route 138	16.40	G	Yes	70	75	#REF!	65	66	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
16 Britton Street	16.50	G	Yes	70	75	#REF!	58	59	#REF!	#REF!	#REF!	56	57	#REF!	#REF!
17 King Phillip Street	17.10	G	Yes	70	100	#REF!	64	65	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
18 Longmeadow Road	18.90	G	Yes	30	300	#REF!	61	62	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!	-	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS							
Parameter	Source 1		Source 2	ana				
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö		
Dist. to receiver	distance (ft)	100	distance (ft)	100				
Daytime Hours	speed (mph)	45	speed (mph)	45				
(7 AM - 10 PM)	trains/hour	2	trains/hour	2				
	locos/train	1	cars/train	8				
Nighttime Hours	speed (mph)	45	speed (mph)	45				
(10 PM - 7 AM)	trains/hour	1	trains/hour	1				
	locos/train	1	cars/train	8				
Jointed Track?	Y/N	N	Y/N	N				
Embedded Track?	Y/N	N	Y/N	N				
Aerial Structure?	Y/N	N	Y/N	N				
Barrier Present?	Y/N	N	Y/N	N				
Intervening Rows								
of Buildings	number	0	number	0				

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case:
Mill St

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
57	53	50
56	52	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	45	speed (mph)	45		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	45	speed (mph)	45		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
56	52	49
56	52	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

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Case:

Richmond Rd (Beechwood) Government users have unrestricted rights to this program

RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
59	55	52
60	56	53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	118	distance (ft)	118		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2 3		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
56	52	49
56	52	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Richmond Rd (79)

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
59	55	52
60	56	53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	118	distance (ft)	118		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	O		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Forge Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Elm & Walnut St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	5 6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Simpson & Green Ln

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
56	52	49
56	52	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	5 6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	Ν	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						3555555555555555
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	2 3 4 5 6 7 8 9			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Copicut Rd

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	Ν	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						3555555555555555
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Rolling Green Apts

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
56	52	49
56	52	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	2 3 4 5 6 7 8 9			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: North Main St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	58	55
59	55	52
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Durfee St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18





Fall River Electric



New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Severe		Мо	derate	No Impact		
Existing dba	greater than dBA	closer than feet	<u>between</u> dBA	<u>between</u> feet	less than dBA	farther than feet	
	UDA	ieet	UDA	ieet	UDA	ieet	
60	63	115	58-63	115-225	58	225	
61	64	100	59-64	100-200	59	200	
62	64	100	59-64	100-200	59	200	
63	65	75	60-65	75-175	60	175	
64	65	75	60-65	75-175	60	175	
65	66	65	61-66	65-150	61	150	
66	67	55	62-67	55-135	62	135	
67	67	55	62-67	55-135	62	135	
68	68	50	63-68	50-115	63	115	
69	69	45	64-69	45-100	64	100	
70	69	45	64-69	45-100	64	100	
71	70	40	66-70	40-65	66	65	
72	71	30	66-71	30-65	66	65	

				Severe - closer than	Quantity	Moderate - closer than	Quantity
Segment	MP	No-build	Build	(feet)	Severe	(feet)	Moderate
Brock Street	4.30	63	65	65	3	150	8
Plain Street	4.60	59	62	100	8	200	14
Morton Street	5.20	69	69	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	68	45	0	100	10
Oliver Street	7.80	58	62	75	0	175	2
Pond Street	7.90	58	64	75	0	175	8
Main Street	8.05	63	65	55	6	135	15
Bridge Street	8.40	58	63	100	2	200	15
Short Street	9.55	64	65	55	0	135	5
Depot Street/123	10.00	65	66	45	0	100	1
Purchase Street	10.20	61	62	75	0	175	2
Prospect Street	10.90	60	63	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	63	100	4	200	3
Carver Street	15.80	60	64	100	1	200	1
Route 138	16.40	67	#REF!	45	0	100	4
Britton Street	16.50	57	#REF!	115	4	225	4
King Phillip Street	17.10	63	#REF!	55	4	135	3
Longmeadow Road	18.90	67	#REF!	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	#REF!	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					-
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn¹
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} computed using: 10*LOG((15*10^(L_{eq}day/10)) + (9*10^((L_{eq}nite+10)/10))) - 13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3		
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3			
Dist. to receiver	distance (ft)	50	distance (ft)	50			
Daytime Hours	speed (mph)	30	speed (mph)	30			
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47			
	locos/train	1	cars/train	8			
Nighttime Hours	speed (mph)	30	speed (mph)	30			
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33			
	locos/train	1	cars/train	8			
Jointed Track?	Y/N	N	Y/N	N			
Embedded Track?	Y/N	Y	Y/N	Y			
Aerial Structure?	Y/N	N	Y/N	N			
Barrier Present?	Y/N	N	Y/N	N			
Intervening Rows of Buildings	number		number	0			

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fal Modeled Noise L		Crossing Type -					Leo			difference (Build - Existing)		Ldr	ı		difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	57	58	59	61	3	61	62	63	65	3
2 Plain Street	4.60	G	Yes	30	75	55	60	61	62	2	59	58	59	62	4
3 Morton Street	5.20	G	Yes	30	100	55	67	68	68	1	59	68	69	69	1
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	59	65	66	67	2	63	66	67	68	2
5 Oliver Street	7.80	G	Yes	30	100	55	63	64	65	2	59	57	58	62	5
6 Pond Street	7.90	UG	No	30	100	59	62	63	64	3	63	57	58	64	7
7 Main Street	8.05	ОН	No	40	75	57	64	65	65	2	61	62	63	65	3
8 Bridge Street	8.40	ОН	No	50	75	57	58	59	61	3	61	57	58	63	6
9 Short Street	9.55	G	Yes	70	100	55	63	64	65	1	59	63	64	65	2
10 Depot Street/123	10.00	G	Yes	70	75	57	67	68	69	1	61	64	65	66	2
11 Purchase Street	10.20	G	Yes	70	300	51	60	61	62	1	55	60	61	62	2
12 Prospect Street	10.90	G	Yes	70	100	55	55	56	58	4	59	59	60	63	4
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	57	58	59	61	3	61	56	57	63	7
14 Carver Street	15.80	G	Yes	70	75	57	56	57	60	4	61	59	60	64	5
15 Route 138	16.40	G	Yes	70	75	#REF!	65	66	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
16 Britton Street	16.50	G	Yes	70	75	#REF!	58	59	#REF!	#REF!	#REF!	56	57	#REF!	#REF!
17 King Phillip Street	17.10	G	Yes	70	100	#REF!	64	65	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
18 Longmeadow Road	18.90	G	Yes	30	300	#REF!	61	62	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!	-	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	80	distance (ft)	75		
Daytime Hours	speed (mph)	45	speed (mph)	45		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	45	speed (mph)	45		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case:
Mill St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
56	52	49
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	105	distance (ft)	105		
Daytime Hours	speed (mph)	45	speed (mph)	45		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	45	speed (mph)	45		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
<u> </u>	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
53	49	46
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS				
Parameter	Source 1	Source 2		Source 3
Source Num.	Electric Loco.	1 Comm. Rail Cars	3	0
Dist. to receiver	distance (ft) 2	75 distance (ft)	275	
Daytime Hours	speed (mph) 1	speed (mph)	100	
(7 AM - 10 PM)	trains/hour	2 trains/hour	2	
	locos/train	1 cars/train	8	
Nighttime Hours	speed (mph) 1	speed (mph)	100	
(10 PM - 7 AM)	trains/hour	1 trains/hour	1	
	locos/train	1 cars/train	8	
Jointed Track?	Y/N N	Y/N	N	
Embedded Track?	Y/N N	Y/N	N	
Aerial Structure?	Y/N N	Y/N	N	
Barrier Present?	Y/N N	Y/N	N	
Intervening Rows				
of Buildings	number	0 number	0	

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	5 6 7 8			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

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Case:

Richmond Rd (Beechwood) Government users have unrestricted rights to this program

RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
57	53	50
61	57	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
55	51	48
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows		******************				***************************************
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Richmond Rd (79)

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
58	54	51
61	57	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Forge Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
57	53	50
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2 3
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Elm & Walnut St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
55	51	48
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	Ö		

SOURCE REFERENCE	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2 3
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Simpson & Green Ln

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
53	49	46
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	275	distance (ft)	275		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
55	51	48
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Copicut Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
55	51	48
49	45	42
53	49	46

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	525	distance (ft)	525		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Rolling Green Apts

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
54	50	47
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	80	speed (mph)	80		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	80	speed (mph)	80		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: North Main St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
58	54	51
61	58	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	108	distance (ft)	108		
Daytime Hours	speed (mph)	80	speed (mph)	80		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	80	speed (mph)	80		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
56	52	49
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS									
Parameter	Source 1		Source 2		Source 3					
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0				
Dist. to receiver	distance (ft)	150	distance (ft)	150						
Daytime Hours	speed (mph)	80	speed (mph)	80						
(7 AM - 10 PM)	trains/hour	2	trains/hour	2						
	locos/train	1	cars/train	8						
Nighttime Hours	speed (mph)	80	speed (mph)	80						
(10 PM - 7 AM)	trains/hour	1	trains/hour	1						
	locos/train	1	cars/train	8						
Jointed Track?	Y/N	N	Y/N	N						
Embedded Track?	Y/N	N	Y/N	N						
Aerial Structure?	Y/N	N	Y/N	N						
Barrier Present?	Y/N	N	Y/N	N						
Intervening Rows										
of Buildings	number	0	number	0						

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Durfee St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
57	53	50
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS									
Parameter	Source 1		Source 2		Source 3					
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0				
Dist. to receiver	distance (ft)	125	distance (ft)	125						
Daytime Hours	speed (mph)	70	speed (mph)	70						
(7 AM - 10 PM)	trains/hour	2	trains/hour	2						
	locos/train	1	cars/train	8						
Nighttime Hours	speed (mph)	70	speed (mph)	70						
(10 PM - 7 AM)	trains/hour	1	trains/hour	1						
	locos/train	1	cars/train	8						
Jointed Track?	Y/N	N	Y/N	N						
Embedded Track?	Y/N	N	Y/N	N						
Aerial Structure?	Y/N	N	Y/N	N						
Barrier Present?	Y/N	N	Y/N	N						
Intervening Rows										
of Buildings	number	0	number	0						

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18



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New Bedford Diesel



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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Sev	vere	Мо	derate	No Impact			
Existing dba	,					farther than		
	dBA	feet	dBA	feet	dBA	feet		
60	63	115	58-63	115-225	58	225		
61	64	100	59-64	100-200	59	200		
62	64	100	59-64	100-200	59	200		
63	65	75	60-65	60-65 75-175		175		
64	65	75	60-65	75-175	60	175		
65	66	65	61-66	65-150	61	150		
66	67	55	62-67	55-135	62	135		
67	67	55	62-67	62-67 55-135		135		
68	68	50	63-68	50-115	63	115		
69	69	45	64-69	45-100	64	100		
70	69	69 45		45-100	64	100		
71	70	40	66-70	66-70 40-65		65		
72	71	30	66-71	30-65	66	65		

				Severe - closer than	Quantity	Moderate - closer than	Quantity
Segment	MP	No-build	Build	(feet)	Severe	(feet)	Moderate
Brock Street	4.30	63	66	65	3	150	8
Plain Street	4.60	59	66	100	8	200	14
Morton Street	5.20	69	70	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	68	45	0	100	10
Oliver Street	7.80	58	63	75	0	175	2
Pond Street	7.90	58	64	75	0	175	8
Main Street	8.05	63	65	55	6	135	15
Bridge Street	8.40	58	63	100	2	200	15
Short Street	9.55	64	65	55	0	135	5
Depot Street/123	10.00	65	67	45	0	100	1
Purchase Street	10.20	61	65	75	0	175	2
Prospect Street	10.90	60	63	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	62	100	4	200	3
Carver Street	15.80	60	64	100	1	200	1
Route 138	16.40	67	69	45	0	100	4
Britton Street	16.50	57	66	115	4	225	4
King Phillip Street	17.10	63	#REF!	55	4	135	3
Longmeadow Road	18.90	67	#REF!	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	#REF!	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					-
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



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				At-Grade					trains/h	Building	_	Existing	trains per		trains per	Existing
	Location	Milepost		Crossing?		locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn¹
	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	orth Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
1	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

^{1:} L_{dn} computed using: 10*LOG((15*10^(L_{eq}day/10))+(9*10^((L_{eq}nite+10)/10)))-13.8

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS							
Parameter	Source 1		Source 2		Source 3			
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3				
Dist. to receiver	distance (ft)	50	distance (ft)	50				
Daytime Hours	speed (mph)	30	speed (mph)	30				
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47				
	locos/train	1	cars/train	8				
Nighttime Hours	speed (mph)	30	speed (mph)	30				
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33				
	locos/train	1	cars/train	8				
Jointed Track?	Y/N	N	Y/N	N				
Embedded Track?	Y/N	Y	Y/N	Y				
Aerial Structure?	Y/N	N	Y/N	N				
Barrier Present?	Y/N	N	Y/N	N				
Intervening Rows						_		
of Buildings	number	0	number	0				

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fa Modeled Noise I		Crossing Type -				5.11	Le			difference (Build - Existing)		Ldn		5 ".	difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	60	58	59	63	4	63	62	63	66	4
2 Plain Street	4.60	G	Yes	30	75	62	60	61	64	5	65	58	59	66	8
3 Morton Street	5.20	G	Yes	30	100	59	67	68	69	1	61	68	69	70	2
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	56	65	66	66	1	59	66	67	68	2
5 Oliver Street	7.80	G	Yes	30	100	59	63	64	65	2	61	57	58	63	6
6 Pond Street	7.90	UG	No	30	100	60	62	63	64	3	63	57	58	64	7
7 Main Street	8.05	ОН	No	40	75	57	64	65	65	2	61	62	63	65	3
8 Bridge Street	8.40	ОН	No	50	75	57	58	59	61	3	61	57	58	63	6
9 Short Street	9.55	G	Yes	70	100	54	63	64	65	1	58	63	64	65	2
10 Depot Street/123	10.00	G	Yes	70	75	59	67	68	69	2	63	64	65	67	3
11 Purchase Street	10.20	G	Yes	70	300	59	60	61	63	3	63	60	61	65	5
12 Prospect Street	10.90	G	Yes	70	100	56	55	56	59	4	60	59	60	63	4
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	57	58	59	61	3	61	56	57	62	6
14 Carver Street	15.80	G	Yes	70	75	57	56	57	60	4	61	59	60	64	5
15 Route 138	16.40	G	Yes	70	75	62	65	66	68	2	66	66	67	69	3
16 Britton Street	16.50	G	Yes	70	75	62	58	59	63	6	66	56	57	66	10
17 King Phillip Street	17.10	G	Yes	70	100	#REF!	64	65	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
18 Longmeadow Road	18.90	G	Yes	30	300	#REF!	61	62	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!	_	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



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Federal Transit Adminstration
General Transit Noise Assessment
Case: Ingell St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	55
59	57	52
60	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Hart St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	65	62	57
	62	59	54
	62	59	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	90	distance (ft)	90		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Plain St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
56	53	48
56	53	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Padleford St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Myricks St (79)

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	55
59	57	52
60	57	52
	<u> </u>	

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	2 3 4 5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Malbone St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	61	57	54
	58	54	51
	58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Gunners Way

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
58	54	51
54	50	47
55	51	48

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS				
Parameter	Source 1	Source 2		Source 3
Source Num.	Diesel Loco.	2 Comm. Rail Cars	3	0
Dist. to receiver	distance (ft) 25	distance (ft)	250	
Daytime Hours	speed (mph)	70 speed (mph)	70	
(7 AM - 10 PM)	trains/hour	2 trains/hour	2	
	locos/train	1 cars/train	8	
Nighttime Hours	speed (mph)	70 speed (mph)	70	
(10 PM - 7 AM)	trains/hour	1 trains/hour	1	
	locos/train	1 cars/train	8	
Jointed Track?	Y/N N	Y/N	N	
Embedded Track?	Y/N N	Y/N	N	
Aerial Structure?	Y/N N	Y/N	N	
Barrier Present?	Y/N N	Y/N	N	
Intervening Rows		101001		
of Buildings	number	0 number	0	

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	2 3 4 5 6 7 8 9			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chace Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
60	56	53
61	57	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	105	distance (ft)	100		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chipaway Road

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
60	56	53
61	57	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	105		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST	
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	56	53
57	53	50
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Tarkiln Place

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	56	53
57	53	50
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Worcester St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	Ν	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						3555555555555555
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Earle & Davis St

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
58	54	51
58	54	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	Ν	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						3555555555555555
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Hayden / McFadden

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
62	58	55
63	59	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	75	distance (ft)	70		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Purchase St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
63	59	56
61	57	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	43	distance (ft)	43		
Daytime Hours	speed (mph)	40	speed (mph)	40		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	40	speed (mph)	40		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		



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New Bedford Electric



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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	When Severe		Мо	derate	No	Impact
Existing dba	greater than			<u>between</u>	less than	farther than
	dBA	feet	dBA	feet	dBA	feet
60	63	115	58-63	115-225	58	225
61	64	100	59-64	100-200	59	200
62	64	100	59-64	100-200	59	200
63	65	75	60-65	75-175	60	175
64	65	75	60-65	75-175	60	175
65	66	65	61-66	65-150	61	150
66	67	55	62-67	55-135	62	135
67	67	55	62-67	55-135	62	135
68	68	50	63-68	50-115	63	115
69	69	45	64-69	45-100	64	100
70	69	45	64-69	45-100	64	100
71	70	40	66-70	40-65	66	65
72	71	30	66-71	30-65	66	65

				Severe - closer than	Quantity	Moderate - closer than	Quantity
Segment	MP	No-build	Build	(feet)	Severe	(feet)	Moderate
Brock Street	4.30	63	65	65	3	150	8
Plain Street	4.60	59	66	100	8	200	14
Morton Street	5.20	69	70	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	68	45	0	100	10
Oliver Street	7.80	58	63	75	0	175	2
Pond Street	7.90	58	64	75	0	175	8
Main Street	8.05	63	65	55	6	135	15
Bridge Street	8.40	58	63	100	2	200	15
Short Street	9.55	64	65	55	0	135	5
Depot Street/123	10.00	65	67	45	0	100	1
Purchase Street	10.20	61	65	75	0	175	2
Prospect Street	10.90	60	63	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	62	100	4	200	3
Carver Street	15.80	60	63	100	1	200	1
Route 138	16.40	67	69	45	0	100	4
Britton Street	16.50	57	66	115	4	225	4
King Phillip Street	17.10	63	#REF!	55	4	135	3
Longmeadow Road	18.90	67	#REF!	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	#REF!	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing

Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



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				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn ¹
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	orth Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} computed using: 10*LOG((15*10^(L_{eq}day/10))+(9*10^((L_{eq}nite+10)/10)))-13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		
Dist. to receiver	distance (ft)	50	distance (ft)	50		
Daytime Hours	speed (mph)	30	speed (mph)	30		
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	30	speed (mph)	30		
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	Y	Y/N	Y		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fa Modeled Noise		Crossing Type -					Le			difference (Build - Existing)		Ldn			difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	59	58	59	62	4	62	62	63	65	3
2 Plain Street	4.60	G	Yes	30	75	62	60	61	65	5	65	58	59	66	8
3 Morton Street	5.20	G	Yes	30	100	58	67	68	69	1	61	68	69	70	2
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	56	65	66	66	1	59	66	67	68	2
5 Oliver Street	7.80	G	Yes	30	100	58	63	64	65	2	61	57	58	63	6
6 Pond Street	7.90	UG	No	30	100	61	62	63	65	3	63	57	58	64	7
7 Main Street	8.05	ОН	No	40	75	57	64	65	65	2	61	62	63	65	3
8 Bridge Street	8.40	ОН	No	50	75	57	58	59	61	3	61	57	58	63	6
9 Short Street	9.55	G	Yes	70	100	55	63	64	65	1	59	63	64	65	2
10 Depot Street/123	10.00	G	Yes	70	75	59	67	68	69	1	63	64	65	67	3
11 Purchase Street	10.20	G	Yes	70	300	59	60	61	63	3	63	60	61	65	5
12 Prospect Street	10.90	G	Yes	70	100	56	55	56	59	4	60	59	60	63	4
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	57	58	59	61	3	61	56	57	62	6
14 Carver Street	15.80	G	Yes	70	75	57	56	57	60	4	61	59	60	63	4
15 Route 138	16.40	G	Yes	70	75	62	65	66	68	2	66	66	67	69	3
16 Britton Street	16.50	G	Yes	70	75	62	58	59	63	6	66	56	57	66	10
17 King Phillip Street	17.10	G	Yes	70	100	#REF!	64	65	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
18 Longmeadow Road	18.90	G	Yes	30	300	#REF!	61	62	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!		1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



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Federal Transit Adminstration
General Transit Noise Assessment
Case: Ingell St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	59	54
57	55	50
60	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Hart St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	65	62	58
	61	58	53
	63	60	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	75	distance (ft)	75		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Plain St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
56	53	49
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
53	51	46
57	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	300	distance (ft)	300		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Padleford St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55	52	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	5 6 7 8			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Myricks St (79)

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	61	56
58	55	50
62	59	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Malbone St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
55	51	48
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
55	51	48
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	5 6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Gunners Way

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	55	52
53	49	46
57	53	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	275	distance (ft)	275		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chace Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
57	53	50
61	57	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	5 6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chipaway Road

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	56
57	53	50
61	57	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	5 6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration General Transit Noise Assessment Case: Welby Rd Copyright 1997, HMMH Inc.
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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	56	53
55	51	48
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Tarkiln Place

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	56	53
55	51	48
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Worcester St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
55	51	48
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS				
Parameter	Source 1	Source 2		Source 3
Source Num.	Electric Loco.	1 Comm. Rail Cars	3	O
Dist. to receiver	distance (ft) 20	0 distance (ft)	200	
Daytime Hours	speed (mph) 10	0 speed (mph)	100	
(7 AM - 10 PM)	trains/hour	2 trains/hour	2	
	locos/train	1 cars/train	8	
Nighttime Hours	speed (mph) 10	speed (mph)	100	
(10 PM - 7 AM)	trains/hour	1 trains/hour	1	
	locos/train	1 cars/train	8	
Jointed Track?	Y/N N	Y/N	N	
Embedded Track?	Y/N N	Y/N	N	
Aerial Structure?	Y/N N	Y/N	N	
Barrier Present?	Y/N N	Y/N	N	
Intervening Rows				_
of Buildings	number	0 number	0	

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	2 3 4 5 6 7 8 9			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Earle & Davis St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	57	54
55	51	48
59	55	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration General Transit Noise Assessment Case:

Hayden / McFadden

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
61	57	54
64	60	57

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	65	distance (ft)	65		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	2 3 4 5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Purchase St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)	
66	62	59	
63	59	56	
63	59	56	

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	36	distance (ft)	36		
Daytime Hours	speed (mph)	40	speed (mph)	40		
(7 AM - 10 PM)	trains/hour	2	trains/hour	2		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	40	speed (mph)	40		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	5 6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		



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Northeast Diesel



Technical Report Noise and Vibration Draft

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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Sev	vere	Мо	derate	No	Impact
Existing dba	greater than			<u>between</u>	less than	farther than
	dBA	feet	dBA	feet	dBA	feet
60	63	115	58-63	115-225	58	225
61	64	100	59-64	100-200	59	200
62	64	100	59-64	100-200	59	200
63	65	75	60-65	75-175	60	175
64	65	75	60-65	75-175	60	175
65	66	65	61-66	65-150	61	150
66	67	55	62-67	55-135	62	135
67	67	55	62-67	55-135	62	135
68	68	50	63-68	50-115	63	115
69	69	45	64-69	45-100	64	100
70	69	45	64-69	45-100	64	100
71	70	40	66-70	40-65	66	65
72	71	30	66-71	30-65	66	65

Segment	MP	No-build	Build	Severe - closer than (feet)	Quantity Severe	Moderate - closer than (feet)	Quantity Moderate
Brock Street	4.30	63	70	65	3	150	8
Plain Street	4.60	59	69	100	8	200	14
Morton Street	5.20	69	72	30	0	65	0
North Easton Station	6.40	62	62	30 75	0	175	0
Elm Street (MP 7.60)	7.60	67	70	45 	0	100	10
Oliver Street	7.80	58	69	75	0	175	2
Pond Street	7.90	58	68	75	0	175	8
Main Street	8.05	63	67	55	6	135	15
Bridge Street	8.40	58	67	100	2	200	15
Short Street	9.55	64	67	55	0	135	5
Depot Street/123	10.00	65	68	45	0	100	1
Purchase Street	10.20	61	66	75	0	175	2
Prospect Street	10.90	60	68	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	66	100	4	200	3
Carver Street	15.80	60	68	100	1	200	1
Route 138	16.40	67	70	45	0	100	4
Britton Street	16.50	57	64	115	4	225	4
King Phillip Street	17.10	63	#REF!	55	4	135	3
Longmeadow Road	18.90	67	#REF!	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	#REF!	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing

Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					•
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



Technical Report Noise and Vibration Draft

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				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn¹
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
]	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} computed \ using: \ 10*LOG((15*10^(L_{eq} day/10)) + (9*10^((L_{eq} nite+10)/10))) - 13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS								
Parameter	Source 1		Source 2		Source 3			
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3				
Dist. to receiver	distance (ft)	50	distance (ft)	50				
Daytime Hours	speed (mph)	30	speed (mph)	30				
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47				
	locos/train	1	cars/train	8				
Nighttime Hours	speed (mph)	30	speed (mph)	30				
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33				
	locos/train	1	cars/train	8				
Jointed Track?	Y/N	N	Y/N	N				
Embedded Track?	Y/N	Y	Y/N	Y				
Aerial Structure?	Y/N	N	Y/N	N				
Barrier Present?	Y/N	N	Y/N	N				
Intervening Rows						_		
of Buildings	number	0	number	0				

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fa Modeled Noise		Crossing Type -				5.1	Le			difference (Build - Existing)		Ldn		5 "	difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	67	58	59	67	9	69	62	63	70	8
2 Plain Street	4.60	G	Yes	30	75	67	60	61	68	8	69	58	59	69	11
3 Morton Street	5.20	G	Yes	30	100	67	67	68	70	3	69	68	69	72	4
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	64	65	66	68	3	66	66	67	70	4
5 Oliver Street	7.80	G	Yes	30	100	67	63	64	69	5	69	57	58	69	12
6 Pond Street	7.90	UG	No	30	100	64	62	63	66	5	68	57	58	68	11
7 Main Street	8.05	ОН	No	40	75	61	64	65	66	3	65	62	63	67	5
8 Bridge Street	8.40	ОН	No	50	75	62	58	59	64	6	66	57	58	67	10
9 Short Street	9.55	G	Yes	70	100	61	63	64	66	3	65	63	64	67	4
10 Depot Street/123	10.00	G	Yes	70	75	61	67	68	69	2	65	64	65	68	4
11 Purchase Street	10.20	G	Yes	70	300	61	60	61	64	4	65	60	61	66	6
12 Prospect Street	10.90	G	Yes	70	100	64	55	56	65	10	68	59	60	68	9
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	62	58	59	64	6	66	56	57	66	10
14 Carver Street	15.80	G	Yes	70	75	64	56	57	65	9	68	59	60	68	9
15 Route 138	16.40	G	Yes	70	75	64	65	66	68	3	67	66	67	70	4
16 Britton Street	16.50	G	Yes	70	75	59	58	59	62	4	63	56	57	64	8
17 King Phillip Street	17.10	G	Yes	70	100	#REF!	64	65	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
18 Longmeadow Road	18.90	G	Yes	30	300	#REF!	61	62	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!	-	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



Technical Report Noise and Vibration Draft

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Federal Transit Adminstration
General Transit Noise Assessment
Case: Hooper Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	67	61
66	63	58
66	64	59

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	10	trains/hour	10		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: University Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	69	67	61
	66	63	58
	66	64	59

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	10	trains/hour	10		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: I-95 Industrial Area

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	67	61
66	63	58
66	64	59

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	10	trains/hour	10		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Cedarcreast Road

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	64	59
63	61	55
64	61	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	10	trains/hour	10		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chapman St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	67	61
66	63	58
66	64	59

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS				
Parameter	Source 1	Source 2		Source 3
Source Num.	Diesel Loco.	2 Comm. Rail Cars	3	Ö
Dist. to receiver	distance (ft)	o distance (ft)	100	
Daytime Hours	speed (mph)	0 speed (mph)	70	
(7 AM - 10 PM)	trains/hour	0 trains/hour	10	
	locos/train	1 cars/train	8	
Nighttime Hours	speed (mph)	speed (mph)	70	
(10 PM - 7 AM)	trains/hour	3 trains/hour	3	
	locos/train	1 cars/train	8	
Jointed Track?	Y/N N	Y/N	N	
Embedded Track?	Y/N N	Y/N	N	
Aerial Structure?	Y/N N	Y/N	N	
Barrier Present?	Y/N N	Y/N	N	
Intervening Rows				
of Buildings	number	0 number	0	

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
68	64	60
64	61	57
65	61	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	117	distance (ft)	117		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	5 6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: High Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
65	61	58
62	58	54
62	59	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	5 6 7 8			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Rhodes Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
63	59	55
63	60	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration General Transit Noise Assessment Case:

Upland Rd (Rte 27)

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
65	61	58
62	58	54
62	59	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Flintlock Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
65	61	58
62	58	54
62	59	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chase Dr

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
65	61	58
62	58	54
62	59	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Burnt Bridge Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
68	64	60
64	61	57
65	61	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	120	distance (ft)	115		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3 4		
RRT/LRT	4		
AGT, Steel Wheel	5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: East St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
63	59	55
63	60	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration General Transit Noise Assessment Case: Summer St Copyright 1997, HMMH Inc.
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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
63	59	55
63	60	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5 6 7 8		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Angell Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
68	64	60
64	61	57
65	61	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		O
Dist. to receiver	distance (ft)	120	distance (ft)	115		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						0,00,00,000,000,000
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chaunchy St (Rte 106)

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
67	64	60
64	60	57
64	61	57

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	5 6 7 8			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Central St / High St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
68	64	60
64	61	57
65	61	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		O
Dist. to receiver	distance (ft)	120	distance (ft)	115		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						0,00,00,000,000,000
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	2 3 4 5 6 7 8 9			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Old School Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	59	55
59	56	52
60	56	53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	250	distance (ft)	250		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	2 3 4 5 6 7 8 9			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
63	59	55
63	60	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
68	64	60
64	61	57
65	61	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS									
Parameter	Source 1		Source 2		Source 3				
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ō			
Dist. to receiver	distance (ft)	120	distance (ft)	115					
Daytime Hours	speed (mph)	70	speed (mph)	70					
(7 AM - 10 PM)	trains/hour	7	trains/hour	7					
	locos/train	1	cars/train	8					
Nighttime Hours	speed (mph)	70	speed (mph)	70					
(10 PM - 7 AM)	trains/hour	3	trains/hour	3					
	locos/train	1	cars/train	8					
Jointed Track?	Y/N	N	Y/N	N					
Embedded Track?	Y/N	N	Y/N	N					
Aerial Structure?	Y/N	N	Y/N	N					
Barrier Present?	Y/N	N	Y/N	N					
Intervening Rows									
of Buildings	number	0	number	0					

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18



Technical Report Noise and Vibration Draft

Northeast Electric



Technical Report Noise and Vibration Draft

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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Sev	rere	Мо	derate	No Impact			
Existing dba			<u>between</u> dBA	<u>between</u> feet	less than dBA	farther than feet		
	dBA	feet	UDA	ieet	UDA	ieet		
60	63	115	58-63	115-225	58	225		
61	64	100	59-64	100-200	59	200		
62	64	100	59-64	100-200	59	200		
63	65	75	60-65	75-175	60	175		
64	65	75	60-65	75-175	60	175		
65	66	65	61-66	65-150	61	150		
66	67	55	62-67	55-135	62	135		
67	67	55	62-67	55-135	62	135		
68	68	50	63-68	50-115	63	115		
69	69	45	64-69	45-100	64	100		
70	69	45	64-69	45-100	64	100		
71	70	40	66-70	40-65	66	65		
72	71	30	66-71	30-65	66	65		

				Severe - closer than	Quantity	Moderate - closer than	Quantity
Segment	MP	No-build	Build	(feet)	Severe	(feet)	Moderate
Brock Street	4.30	63	66	65	3	150	8
Plain Street	4.60	59	70	100	8	200	14
Morton Street	5.20	69	72	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	70	45	0	100	10
Oliver Street	7.80	58	70	75	0	175	2
Pond Street	7.90	58	69	75	0	175	8
Main Street	8.05	63	68	55	6	135	15
Bridge Street	8.40	58	67	100	2	200	15
Short Street	9.55	64	68	55	0	135	5
Depot Street/123	10.00	65	68	45	0	100	1
Purchase Street	10.20	61	67	75	0	175	2
Prospect Street	10.90	60	69	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	67	100	4	200	3
Carver Street	15.80	60	69	100	1	200	1
Route 138	16.40	67	70	45	0	100	4
Britton Street	16.50	57	69	115	4	225	4
King Phillip Street	17.10	63	#REF!	55	4	135	3
Longmeadow Road	18.90	67	#REF!	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	#REF!	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing
Distance to Track Backgroun

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



Technical Report Noise and Vibration Draft

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				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn¹
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} \ computed \ using: \ 10*LOG((15*10^(L_{eq}day/10)) + (9*10^((L_{eq}nite+10)/10))) - 13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3		
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3			
Dist. to receiver	distance (ft)	50	distance (ft)	50			
Daytime Hours	speed (mph)	30	speed (mph)	30			
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47			
	locos/train	1	cars/train	8			
Nighttime Hours	speed (mph)	30	speed (mph)	30			
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33			
	locos/train	1	cars/train	8			
Jointed Track?	Y/N	N	Y/N	N			
Embedded Track?	Y/N	Y	Y/N	Y			
Aerial Structure?	Y/N	N	Y/N	N			
Barrier Present?	Y/N	N	Y/N	N			
Intervening Rows						_	
of Buildings	number	0	number	0			

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fa Modeled Noise I		Crossing Type -				D-ii	Le		Build	difference (Build - Existing)		Ldn	ı	Build	difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build		dbA
1 Brock Street	4.30	G	Yes	30	75	61	58	59	63	5	64	62	63	66	4
2 Plain Street	4.60	G	Yes	30	75	67	60	61	68	8	70	58	59	70	12
3 Morton Street	5.20	G	Yes	30	100	67	67	68	71	4	70	68	69	72	4
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	65	65	66	68	3	67	66	67	70	4
5 Oliver Street	7.80	G	Yes	30	100	67	63	64	69	6	70	57	58	70	13
6 Pond Street	7.90	UG	No	30	100	65	62	63	67	6	69	57	58	69	12
7 Main Street	8.05	ОН	No	40	75	62	64	65	67	3	66	62	63	68	6
8 Bridge Street	8.40	ОН	No	50	75	63	58	59	65	7	67	57	58	67	10
9 Short Street	9.55	G	Yes	70	100	62	63	64	66	3	65	63	64	68	5
10 Depot Street/123	10.00	G	Yes	70	75	62	67	68	69	2	66	64	65	68	4
11 Purchase Street	10.20	G	Yes	70	300	62	60	61	65	5	66	60	61	67	7
12 Prospect Street	10.90	G	Yes	70	100	65	55	56	66	11	69	59	60	69	10
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	63	58	59	65	6	67	56	57	67	11
14 Carver Street	15.80	G	Yes	70	75	65	56	57	66	10	69	59	60	69	10
15 Route 138	16.40	G	Yes	70	75	64	65	66	68	3	68	66	67	70	4
16 Britton Street	16.50	G	Yes	70	75	65	58	59	66	9	69	56	57	69	13
17 King Phillip Street	17.10	G	Yes	70	100	#REF!	64	65	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
18 Longmeadow Road	18.90	G	Yes	30	300	#REF!	61	62	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!	_	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



Technical Report Noise and Vibration Draft

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Federal Transit Adminstration
General Transit Noise Assessment
Case: Hooper Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
64	61	56
58	56	51
62	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS							
Parameter	Source 1		Source 2		Source 3			
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0		
Dist. to receiver	distance (ft)	300	distance (ft)	300				
Daytime Hours	speed (mph)	100	speed (mph)	100				
(7 AM - 10 PM)	trains/hour	10	trains/hour	10				
	locos/train	1	cars/train	8				
Nighttime Hours	speed (mph)	100	speed (mph)	100				
(10 PM - 7 AM)	trains/hour	3	trains/hour	3				
	locos/train	1	cars/train	8				
Jointed Track?	Y/N	N	Y/N	N				
Embedded Track?	Y/N	N	Y/N	N				
Aerial Structure?	Y/N	N	Y/N	N				
Barrier Present?	Y/N	N	Y/N	N				
Intervening Rows								
of Buildings	number	Û	number	0				

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: University Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
70	67	62
64	62	56
68	66	61

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	120	distance (ft)	120		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	10	trains/hour	10		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	2 3 4 5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: I-95 Industrial Area

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
70	67	62
64	62	56
68	66	61

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	120	distance (ft)	120		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	10	trains/hour	10		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	Ö		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Cedarcreast Road

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
67	65	60
62	59	54
66	63	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	10	trains/hour	10		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	2 3 4 5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chapman St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
70	67	62
64	62	56
68	66	61

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	120	distance (ft)	120		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	10	trains/hour	10		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
<u> </u>	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	Ö		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	65	62
63	60	56
67	64	60

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENCE	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2 3
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: High Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
60	57	53
64	61	57

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Rhodes Ave

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
67	63	60
61	58	54
65	62	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Upland Rd (Rte 27)

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
65	62	58
60	56	52
64	60	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2 3		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Flintlock Rd

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
60	57	53
64	61	57

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chase Dr

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	62	59
60	57	53
64	61	57

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Burnt Bridge Rd

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	65	62
63	60	56
67	64	60

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3 4		
RRT/LRT	4		
AGT, Steel Wheel	5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: East St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
67	63	60
61	58	54
65	62	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
67	63	60
61	58	54
65	62	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Angell Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	65	62
63	60	56
67	64	60

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Chaunchy St (Rte 106)

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
68	64	61
62	59	55
66	63	59

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Central St / High St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	65	62
63	60	56
67	64	60

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS				
Parameter	Source 1	Source 2		Source 3	
Source Num.	Electric Loco.	1 Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	distance (ft)	125		
Daytime Hours	speed (mph) 1	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7 trains/hour	7		
	locos/train	1 cars/train	8		
Nighttime Hours	speed (mph)	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3 trains/hour	3		
	locos/train	1 cars/train	8		
Jointed Track?	Y/N N	Y/N	N		
Embedded Track?	Y/N N	Y/N	N		
Aerial Structure?	Y/N N	Y/N	N		
Barrier Present?	Y/N N	Y/N	N		
Intervening Rows					
of Buildings	number	0 number	Ö		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Old School Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	65	62
63	60	56
67	64	60

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	67	63	60
	61	58	54
	65	62	58

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Gilbert St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
69	65	62
63	60	56
67	64	60

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	7	trains/hour	7		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18



Technical Report Noise and Vibration Draft

Stoughton Diesel



Technical Report Noise and Vibration Draft

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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Sev	Severe		derate	No Impact			
Existing dba	greater than			<u>between</u>	less than	farther than		
	dBA	feet	dBA	feet	dBA	feet		
60	63	115	58-63	115-225	58	225		
61	64	100	59-64	100-200	59	200		
62	64	100	59-64	100-200	59	200		
63	65	75	60-65	75-175	60	175		
64	65	75	60-65	75-175	60	175		
65	66	65	61-66	65-150	61	150		
66	67	55	62-67	55-135	62	135		
67	67	55	62-67	55-135	62	135		
68	68	50	63-68	50-115	63	115		
69	69	45	64-69	45-100	64	100		
70	69	45	64-69	45-100	64	100		
71	70	40	66-70	40-65	66	65		
72	71	30	66-71	30-65	66	65		

				Severe - closer than	Quantity	Moderate - closer than	Quantity
Segment	MP	No-build	Build	(feet)	Severe	(feet)	Moderate
Brock Street	4.30	63	65	65	3	150	8
Plain Street	4.60	59	65	100	8	200	14
Morton Street	5.20	69	70	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	68	45	0	100	10
Oliver Street	7.80	58	62	75	0	175	2
Pond Street	7.90	58	61	75	0	175	8
Main Street	8.05	63	67	55	6	135	15
Bridge Street	8.40	58	62	100	2	200	15
Short Street	9.55	64	66	55	0	135	5
Depot Street/123	10.00	65	69	45	0	100	1
Purchase Street	10.20	61	64	75	0	175	2
Prospect Street	10.90	60	66	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	63	100	4	200	3
Carver Street	15.80	60	65	100	1	200	1
Route 138	16.40	67	69	45	0	100	4
Britton Street	16.50	57	63	115	4	225	4
King Phillip Street	17.10	63	65	55	4	135	3
Longmeadow Road	18.90	67	70	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	68	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					-
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



Technical Report Noise and Vibration Draft

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				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn1
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} computed using: 10*LOG((15*10^(L_{eq}day/10))+(9*10^((L_{eq}nite+10)/10)))-13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	IOISE SOURCE PARAMETERS							
Parameter	Source 1		Source 2		Source 3			
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3				
Dist. to receiver	distance (ft)	50	distance (ft)	50				
Daytime Hours	speed (mph)	30	speed (mph)	30				
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47				
	locos/train	1	cars/train	8				
Nighttime Hours	speed (mph)	30	speed (mph)	30				
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33				
	locos/train	1	cars/train	8				
Jointed Track?	Y/N	N	Y/N	N				
Embedded Track?	Y/N	Y	Y/N	Y				
Aerial Structure?	Y/N	N	Y/N	N				
Barrier Present?	Y/N	N	Y/N	N				
Intervening Rows						_		
of Buildings	number	0	number	0				

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fa Modeled Noise I		Crossing Type -				5.11	Le		.	difference (Build - Existing)		Ldn	l	5 ".	difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	57	58	59	61	3	60	62	63	65	3
2 Plain Street	4.60	G	Yes	30	75	61	60	61	64	4	64	58	59	65	7
3 Morton Street	5.20	G	Yes	30	100	60	67	68	69	2	63	68	69	70	2
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	59	65	66	67	2	62	66	67	68	2
5 Oliver Street	7.80	G	Yes	30	100	57	63	64	65	2	60	57	58	62	5
6 Pond Street	7.90	UG	No	30	100	56	62	63	63	2	59	57	58	61	4
7 Main Street	8.05	ОН	No	40	75	61	64	65	66	3	64	62	63	67	5
8 Bridge Street	8.40	ОН	No	50	75	57	58	59	61	3	60	57	58	62	5
9 Short Street	9.55	G	Yes	70	100	59	63	64	65	2	62	63	64	66	3
10 Depot Street/123	10.00	G	Yes	70	75	63	67	68	69	2	66	64	65	69	5
11 Purchase Street	10.20	G	Yes	70	300	59	60	61	63	3	62	60	61	64	4
12 Prospect Street	10.90	G	Yes	70	100	62	55	56	63	8	65	59	60	66	7
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	59	58	59	62	4	61	56	57	63	7
14 Carver Street	15.80	G	Yes	70	75	60	56	57	62	6	63	59	60	65	6
15 Route 138	16.40	G	Yes	70	75	63	65	66	68	3	65	66	67	69	3
16 Britton Street	16.50	G	Yes	70	75	59	58	59	62	4	61	56	57	63	7
17 King Phillip Street	17.10	G	Yes	70	100	59	64	65	66	2	62	62	63	65	3
18 Longmeadow Road	18.90	G	Yes	30	300	63	61	62	66	5	66	66	67	70	4
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	61	65	66	67	2	64	64	65	68	4
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!	-	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



Technical Report Noise and Vibration Draft

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Federal Transit Adminstration
General Transit Noise Assessment
Case: Brock Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	57	52
57	55	50
56	53	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	45	speed (mph)	45		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	45	speed (mph)	45		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Plain Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
64	61	57
61	58	53
61	59	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	U	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Morton Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	55
59	57	52
60	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Elm Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	62	59	54
	58	56	51
	59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	145	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Oliver Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	57	52
56	54	49
57	54	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Pond Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
56	53	48
56	53	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Main Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
64	61	57
61	58	53
61	59	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS			
Parameter	Source 1	Source 2	Source 3
Source Num.	Diesel Loco.	Comm. Rail Cars	0
Dist. to receiver	distance (ft) 10	distance (ft) 100	
Daytime Hours	speed (mph) 70	speed (mph) 70	
(7 AM - 10 PM)	trains/hour :	trains/hour 3	
	locos/train	cars/train 8	
Nighttime Hours	speed (mph) 70	speed (mph) 70	
(10 PM - 7 AM)	trains/hour	trains/hour 1	
	locos/train	cars/train 8	
Jointed Track?	Y/N N	Y/N N	
Embedded Track?	Y/N N	Y/N N	
Aerial Structure?	Y/N N	Y/N N	
Barrier Present?	Y/N N	Y/N N	
Intervening Rows	1000000000		
of Buildings	number	number 0	

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3 4		
RRT/LRT			
AGT, Steel Wheel	5 6 7 8 9		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Bridge Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	57	52
56	54	49
57	54	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Short Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	59	54
58	56	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	145	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	5 6 7 8			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Depot Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
63	60	55
63	60	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Õ
Dist. to receiver	distance (ft)	75	distance (ft)	75		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Purchase Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	59	54
58	56	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	145	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Prospect Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
65	62	57
61	58	54
62	59	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	95	distance (ft)	90		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Elm Street - Raynham

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2 3	
Comm. Rail Cars	3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6 7 8	
Monorail	7	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Carver Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	60	55
59	57	52
60	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						3555555555555555
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Route 138

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
65	63	58
62	59	55
63	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS				
Parameter	Source 1	Source 2		Source 3
Source Num.	Diesel Loco.	2 Comm. Rail Cars	3	Ö
Dist. to receiver	distance (ft)	distance (ft)	81	
Daytime Hours	speed (mph)	70 speed (mph)	70	
(7 AM - 10 PM)	trains/hour	3 trains/hour	3	
	locos/train	1 cars/train	8	
Nighttime Hours	speed (mph)	70 speed (mph)	70	
(10 PM - 7 AM)	trains/hour	1 trains/hour	1	
	locos/train	1 cars/train	8	
Jointed Track?	Y/N N	Y/N	N	
Embedded Track?	Y/N N	Y/N	N	
Aerial Structure?	Y/N N	Y/N	N	
Barrier Present?	Y/N N	Y/N	N	
Intervening Rows				
of Buildings	number	0 number	0	

SOURCE REFERENCE LIST		
Source	Number	
Electric Loco.	1	
Diesel Loco.	2	
Comm. Rail Cars	2 3	
RRT/LRT	4	
AGT, Steel Wheel	5	
AGT, Rubber Tire	6	
Monorail	6 7 8	
Maglev	8	
Automobiles	9	
City Buses	10	
Commuter Buses	11	
Rail Yard or Shop	12	
Layover Tracks	13	
Bus Storage Yard	14	
Bus Op. Facility	15	
Bus Transit Center	16	
Parking Garage	17	
Park & Ride Lot	18	

Federal Transit Adminstration
General Transit Noise Assessment
Case: Britton Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE	CE LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	4
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: King Phillip Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	59	54
58	55	51
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	150	distance (ft)	145		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Longmeadow Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
63	60	55
63	60	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	75	distance (ft)	75		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	O		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case:
Dean Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
64	61	57
61	58	53
61	59	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
Ì	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18



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Stoughton Electric



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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Sev	rere	Mo	derate	No Impact			
Existing dba	greater than dBA	closer than feet	<u>between</u> dBA	<u>between</u> feet	less than dBA	farther than feet		
	UDA	ieet	UDA	ieet	UDA	ieet		
60	63	115	58-63	115-225	58	225		
61	64	100	59-64	100-200	59	200		
62	64	100	59-64	100-200	59	200		
63	65	75	60-65	75-175	60	175		
64	65	75	60-65	75-175	60	175		
65	66	65	61-66	65-150	61	150		
66	67	55	62-67	55-135	62	135		
67	67	55	62-67	55-135	62	135		
68	68	50	63-68	50-115	63	115		
69	69	45	64-69	45-100	64	100		
70	69	45	64-69	45-100	64	100		
71	70	40	66-70	40-65	66	65		
72	71	30	66-71	30-65	66	65		

				Severe - closer than	Quantity	Moderate - closer than	Quantity
Segment	MP	No-build	Build	(feet)	Severe	(feet)	Moderate
Brock Street	4.30	63	65	65	3	150	8
Plain Street	4.60	59	66	100	8	200	14
Morton Street	5.20	69	70	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	68	45	0	100	10
Oliver Street	7.80	58	62	75	0	175	2
Pond Street	7.90	58	61	75	0	175	8
Main Street	8.05	63	67	55	6	135	15
Bridge Street	8.40	58	62	100	2	200	15
Short Street	9.55	64	66	55	0	135	5
Depot Street/123	10.00	65	68	45	0	100	1
Purchase Street	10.20	61	65	75	0	175	2
Prospect Street	10.90	60	66	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	62	100	4	200	3
Carver Street	15.80	60	65	100	1	200	1
Route 138	16.40	67	69	45	0	100	4
Britton Street	16.50	57	62	115	4	225	4
King Phillip Street	17.10	63	66	55	4	135	3
Longmeadow Road	18.90	67	69	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	68	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



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				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn1
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
1	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} \ computed \ using: \ 10*LOG((15*10^{(}L_{eq}day/10))+(9*10^{(}(L_{eq}nite+10)/10)))-13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS						
Parameter Source 1			Source 2		Source 3		
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3			
Dist. to receiver	distance (ft)	50	distance (ft)	50			
Daytime Hours	speed (mph)	30	speed (mph)	30			
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47			
	locos/train	1	cars/train	8			
Nighttime Hours	speed (mph)	30	speed (mph)	30			
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33			
	locos/train	1	cars/train	8			
Jointed Track?	Y/N	N	Y/N	N			
Embedded Track?	Y/N	Y	Y/N	Y			
Aerial Structure?	Y/N	N	Y/N	N			
Barrier Present?	Y/N	N	Y/N	N			
Intervening Rows of Buildings	number	Ö	number	0			

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fal Modeled Noise L		Crossing Type -					Le			difference (Build - Existing)		Ldn			difference (Build - Existing)
	Milepost	Grade, Overhead, Underground, Station	Horn Noise	Speed Used	Building Offset (ft.)	Rail Project	Existing Road (Monitored)	Future No- Build	Build Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Build Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	58	58	59	61	3	60	62	63	65	3
2 Plain Street	4.60	G	Yes	30	75	62	60	61	64	4	64	58	59	66	8
3 Morton Street	5.20	G	Yes	30	100	61	67	68	69	2	63	68	69	70	2
North Easton Station	6.40	Sta.	No		1,200	47	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	60	65	66	67	2	62	66	67	68	2
5 Oliver Street	7.80	G	Yes	30	100	57	63	64	65	2	60	57	58	62	5
6 Pond Street	7.90	UG	No	30	100	56	62	63	63	2	59	57	58	61	4
7 Main Street	8.05	ОН	No	40	75	62	64	65	66	3	64	62	63	67	5
8 Bridge Street	8.40	ОН	No	50	75	57	58	59	61	3	60	57	58	62	5
9 Short Street	9.55	G	Yes	70	100	60	63	64	65	2	62	63	64	66	3
10 Depot Street/123	10.00	G	Yes	70	75	63	67	68	69	2	66	64	65	68	4
11 Purchase Street	10.20	G	Yes	70	300	60	60	61	64	3	62	60	61	65	5
12 Prospect Street	10.90	G	Yes	70	100	62	55	56	63	8	64	59	60	66	7
Raynham Station	14.10	Sta.	No		1,600	46	65	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	58	58	59	62	3	61	56	57	62	6
14 Carver Street	15.80	G	Yes	70	75	61	56	57	62	6	63	59	60	65	6
15 Route 138	16.40	G	Yes	70	75	62	65	66	68	2	64	66	67	69	3
16 Britton Street	16.50	G	Yes	70	75	58	58	59	61	4	61	56	57	62	6
17 King Phillip Street	17.10	G	Yes	70	100	60	64	65	66	2	62	62	63	66	4
18 Longmeadow Road	18.90	G	Yes	30	300	61	61	62	64	3	63	66	67	69	3
Dean Street Station	19.20	Sta.	No		600	52	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	63	65	66	68	3	66	64	65	68	4
20 Ingell Street	61.92	G	Yes	30	100	#REF!	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!		1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



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Federal Transit Adminstration
General Transit Noise Assessment
Case: Brock Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)		Leq - daytime (dB)	Leq - nighttime (dB)
	60	58	53
	57	54	49
	58	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS							
Parameter	Source 1		Source 2		Source 3		
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0	
Dist. to receiver	distance (ft)	100	distance (ft)	100			
Daytime Hours	speed (mph)	45	speed (mph)	45			
(7 AM - 10 PM)	trains/hour	3	trains/hour	3			
	locos/train	1	cars/train	8			
Nighttime Hours	speed (mph)	45	speed (mph)	45			
(10 PM - 7 AM)	trains/hour	1	trains/hour	1			
	locos/train	1	cars/train	8			
Jointed Track?	Y/N	N	Y/N	N			
Embedded Track?	Y/N	N	Y/N	N			
Aerial Structure?	Y/N	N	Y/N	N			
Barrier Present?	Y/N	N	Y/N	N			
Intervening Rows		**************				**************	
of Buildings	number	0	number	0			

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Plain Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
64	62	57
59	56	51
63	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Morton Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	61	56
58	55	50
62	59	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	Ö		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Elm Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	60	55
57	54	49
61	58	53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Oliver Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	57	52
54	52	47
58	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	250	distance (ft)	250		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6 7 8		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Pond Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
53	51	46
57	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	300	distance (ft)	300		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Main Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
64	62	57
59	56	51
63	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows		•				
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3 4		
RRT/LRT			
AGT, Steel Wheel	5 6 7 8		
AGT, Rubber Tire	6		
Monorail	7		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Bridge Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
60	57	52
54	52	47
58	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	250	distance (ft)	250		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	5 6 7 8			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Short Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	60	55
57	54	49
61	58	53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST	
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Depot Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
60	58	53
64	62	57

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Purchase Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	60	55
57	54	49
61	58	53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Prospect Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
64	62	57
59	56	51
63	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Û	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Elm Street - Raynham

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55	52	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Carver Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	61	56
58	55	50
62	59	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						·
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Route 138

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
64	62	57
59	56	51
63	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Britton Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
55	52	48
59	56	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	225	distance (ft)	225		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: King Phillip Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	60	55
57	54	49
61	58	53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	175	distance (ft)	175		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Longmeadow Street

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RESULTS Noise Source All Sources Source 1 Source 2

Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	61	56
58	55	50
62	59	54

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case:
Dean Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
60	58	53
64	62	57

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	100	distance (ft)	100		
Daytime Hours	speed (mph)	100	speed (mph)	100		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	100	speed (mph)	100		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ü	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18



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Whittenton Electric



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New Bedford/Fall River Modeled Noise Levels Impact Ranges based upon various Existing Noise Levels

When	Sev	vere	Мо	derate	No Impact			
Existing dba	greater than			<u>between</u>	less than	farther than		
	dBA	feet	dBA	feet	dBA	feet		
60	63	115	58-63	115-225	58	225		
61	64	100	59-64	100-200	59	200		
62	64	100	59-64	100-200	59	200		
63	65	75	60-65	75-175	60	175		
64	65	75	60-65	75-175	60	175		
65	66	65	61-66	65-150	61	150		
66	67	55	62-67	55-135	62	135		
67	67	55	62-67	55-135	62	135		
68	68	50	63-68	50-115	63	115		
69	69	45	64-69	45-100	64	100		
70	69	45	64-69	45-100	64	100		
71	70	40	66-70	40-65	66	65		
72	71	30	66-71	30-65	66	65		

Cogmont	MP	No-build	Duild	Severe - closer than (feet)	Quantity Severe	Moderate - closer than (feet)	Quantity Moderate
Segment			Build	` ,		` ′	
Brock Street	4.30	63	#REF!	65	3	150	8
Plain Street	4.60	59	#REF!	100	8	200	14
Morton Street	5.20	69	#REF!	30	0	65	0
North Easton Station	6.40	62	62	75	0	175	0
Elm Street (MP 7.60)	7.60	67	#REF!	45	0	100	10
Oliver Street	7.80	58	#REF!	75	0	175	2
Pond Street	7.90	58	#REF!	75	0	175	8
Main Street	8.05	63	#REF!	55	6	135	15
Bridge Street	8.40	58	#REF!	100	2	200	15
Short Street	9.55	64	#REF!	55	0	135	5
Depot Street/123	10.00	65	#REF!	45	0	100	1
Purchase Street	10.20	61	#REF!	75	0	175	2
Prospect Street	10.90	60	#REF!	100	0	200	2
Raynham Station	14.10	63	63	65	0	150	0
Elm Street (MP 15.40)	15.40	57	#REF!	100	4	200	3
Carver Street	15.80	60	#REF!	100	1	200	1
Route 138	16.40	67	#REF!	45	0	100	4
Britton Street	16.50	57	#REF!	115	4	225	4
King Phillip Street	17.10	63	#REF!	55	4	135	3
Longmeadow Road	18.90	67	#REF!	45	0	100	2
Dean Street Station	19.20	52	55	150	0	300	0
Dean Street	19.40	65	#REF!	50	0	115	2
Ingell Street	61.92	63	#REF!	55	0	135	0
Hart Street	62.43	65	#REF!	50	0	115	6
Total					32		107

Leq (dBA)

Existing
Distance to Track Background

	Distance to Track	Background				
School	(feet)	Noise	No-Build	Project	Build	Impact
Jones School	1,400					
Kimball School	1,400					
Unionville School	3,200					
Stonehill College	5,500					
Parkview School	2,300					
Easton Jr. High School	3,100					
Ames Highschoo	3,100					
Holy Cross Seminary	4,000					
School building near Easton Center	1,700					
Southeastern Regional Vocational High School	750	61	62	50	62	No Impact
High School	3,200					
Pole School	2,000					
Summer Street School	600	65	66	51	66	No Impact



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				At-Grade				trains/h	trains/h	Building		Existing	trains per		trains per	Existing
Site #	Location	Milepost	M.A.S.	Crossing?	Horn/Bell	locomotive	cars	r day	r night	Offset (ft.)	Quantity	Leq (day)	hour	Leq (night)	hour	Ldn¹
1	Brock Street	4.30	70	Yes	Horn	1	8	2.47	0.33	75	20	58	2.47	59	0.33	65
2	Plain Street	4.60	70	Yes	Horn	1	8	2.47	0.33	75	10	60	2.47	55	0.33	62
3	Morton Street	5.20	70	Yes	Horn	1	8	2.47	0.33	100	5	67	2.47	65	0.33	72
N	North Easton Station	6.40	70	Station	Horn	1	8	2.47	0.33	1300	5					
4	Elm Street (MP 7.60)	7.60	70	Yes	Horn	1	8	2.47	0.33	75	10	65	2.47	63	0.33	70
5	Oliver Street	7.80	70	Yes	Horn	1	8	2.47	0.33	75	5	63	2.47	54	0.33	63
6	Pond Street	7.90	70	No	n/a	1	8	2.47	0.33	75	0	62	2.47	54	0.33	63
7	Main Street	8.05	70	No	n/a	1	8	2.47	0.33	75	5	64	2.47	59	0.33	66
8	Bridge Street	8.40	70	No	n/a	1	8	2.47	0.33	75	25	58	2.47	54	0.33	61
9	Short Street	9.55	70	Yes	Horn	1	8	2.47	0.33	100	20	63	2.47	60	0.33	67
10	Depot Street/123	10.00	70	Yes	Horn	1	8	2.47	0.33	75	5	67	2.47	61	0.33	69
11	Purchase Street	10.20	70	Yes	Horn	1	8	2.47	0.33	300	10	60	2.47	57	0.33	64
12	Prospect Street	10.90	70	Yes	Horn	1	8	2.47	0.33	100	2	55	2.47	56	0.33	62
	Raynham Station	14.10	70	Station	Horn	1	8	2.47	0.33	1800	5					
13	Elm Street (MP 15.40)	15.40	70	Yes	Horn	1	8	2.47	0.33	75	5	58	2.47	53	0.33	61
14	Carver Street	15.80	70	Yes	Horn	1	8	2.47	0.33	75	3	56	2.47	56	0.33	62
15	Route 138	16.40	70	Yes	Horn	1	8	2.47	0.33	100	5	65	2.47	63	0.33	70
16	Britton Street	16.50	70	Yes	Horn	1	8	2.47	0.33	75	3	58	2.47	53	0.33	60
17	King Phillip Street	17.10	70	Yes	Horn	1	8	2.47	0.33	75	10	64	2.47	59	0.33	66
18	Longmeadow Road	18.90	70	Yes	Horn	1	8	2.47	0.33	75	5	61	2.47	63	0.33	69
]	Dean Street Station	19.20	40	Station	Bell	1	8	2.40	0.44	600	5					
19	Dean Street	19.40	40	Yes	Bell	1	8	2.40	0.44	n/a	2	65	2.40	61	0.44	68
20	Ingell Street	61.92	40	Yes	Bell	1	8	2.40	0.44	200	15	59	2.40	59	0.44	66
21	Hart Street	62.43	40	Yes	Bell	1	8	2.40	0.44	75	10	65	2.40	61	0.44	68

 $^{1:} L_{dn} \ computed \ using: \ 10*LOG((15*10^{(}L_{eq}day/10))+(9*10^{(}(L_{eq}nite+10)/10)))-13.8$

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
63	63	54
62	61	52
58	58	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Diesel Loco.	2	Comm. Rail Cars	3		
Dist. to receiver	distance (ft)	50	distance (ft)	50		
Daytime Hours	speed (mph)	30	speed (mph)	30		
(7 AM - 10 PM)	trains/hour	2.47	trains/hour	2.47		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	30	speed (mph)	30		
(10 PM - 7 AM)	trains/hour	0.33	trains/hour	0.33		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	Y	Y/N	Y		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						_
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

New Bedford/Fa Modeled Noise I		Crossing Type - Grade, Overhead,			Building	Rail	L Existing Road	_eq Future	e No-	Build	difference (Build - Existing)		Ldn		Build	difference (Build - Existing)
	Milepost	Underground, Station	Horn Noise	Speed Used	Offset (ft.)	Project	(Monitored)	Buil	d	Condition	dbA	Rail Project	Existing (Monitored)	Future No-Build	Condition	dbA
1 Brock Street	4.30	G	Yes	30	75	#REF!	5	58	59	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
2 Plain Street	4.60	G	Yes	30	75	#REF!	6	60	61	#REF!	#REF!	#REF!	58	59	#REF!	#REF!
3 Morton Street	5.20	G	Yes	30	100	#REF!	6	67	68	#REF!	#REF!	#REF!	68	69	#REF!	#REF!
North Easton Station	6.40	Sta.	No		1,200	47	6	64	65	65	1	47	61	62	62	1
4 Elm Street (MP 7.60)	7.60	G	Yes	30	75	#REF!	6	65	66	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
5 Oliver Street	7.80	G	Yes	30	100	#REF!	6	33	64	#REF!	#REF!	#REF!	57	58	#REF!	#REF!
6 Pond Street	7.90	UG	No	30	100	#REF!	6	62	63	#REF!	#REF!	#REF!	57	58	#REF!	#REF!
7 Main Street	8.05	ОН	No	40	75	#REF!	6	64	65	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
8 Bridge Street	8.40	ОН	No	50	75	#REF!	5	58	59	#REF!	#REF!	#REF!	57	58	#REF!	#REF!
9 Short Street	9.55	G	Yes	70	100	#REF!	6	33	64	#REF!	#REF!	#REF!	63	64	#REF!	#REF!
10 Depot Street/123	10.00	G	Yes	70	75	#REF!	6	67	68	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
11 Purchase Street	10.20	G	Yes	70	300	#REF!	6	60	61	#REF!	#REF!	#REF!	60	61	#REF!	#REF!
12 Prospect Street	10.90	G	Yes	70	100	#REF!	5	55	56	#REF!	#REF!	#REF!	59	60	#REF!	#REF!
Raynham Station	14.10	Sta.	No		1,600	46	6	55	66	66	1	46	62	63	63	1
13 Elm Street (MP 15.40)	15.40	G	Yes	70	100	#REF!	5	58	59	#REF!	#REF!	#REF!	56	57	#REF!	#REF!
14 Carver Street	15.80	G	Yes	70	75	#REF!	5	56	57	#REF!	#REF!	#REF!	59	60	#REF!	#REF!
15 Route 138	16.40	G	Yes	70	75	#REF!	6	65	66	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
16 Britton Street	16.50	G	Yes	70	75	#REF!	5	58	59	#REF!	#REF!	#REF!	56	57	#REF!	#REF!
17 King Phillip Street	17.10	G	Yes	70	100	#REF!	6	64	65	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
18 Longmeadow Road	18.90	G	Yes	30	300	#REF!	6	31	62	#REF!	#REF!	#REF!	66	67	#REF!	#REF!
Dean Street Station	19.20	Sta.	No		600	52	5	54	55	57	3	52	51	52	55	4
19 Dean Street	19.40	G	Yes	30	75	#REF!	6	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
20 Ingell Street	61.92	G	Yes	30	100	#REF!	5	59	60	#REF!	#REF!	#REF!	62	63	#REF!	#REF!
21 Hart Street	62.43	G	Yes	30	75	#REF!	6	65	66	#REF!	#REF!	#REF!	64	65	#REF!	#REF!
22 High Street Freetown		G	Yes	30	250	#REF!		-	1	#REF!	#REF!	#REF!	57	58	#REF!	#REF!



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Federal Transit Adminstration General Transit Noise Assessment Case:

Britton St / King Philip St

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
57	54	49
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	RAMETERS					
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	125	distance (ft)	125		
Daytime Hours	speed (mph)	60	speed (mph)	60		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	60	speed (mph)	60		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	5 6 7 8
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Redwood Drive

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	58	53
57	54	49
59	56	51

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3		
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		Ö	
Dist. to receiver	distance (ft)	125	distance (ft)	125			
Daytime Hours	speed (mph)	60	speed (mph)	60			
(7 AM - 10 PM)	trains/hour	3	trains/hour	3			
	locos/train	1	cars/train	8			
Nighttime Hours	speed (mph)	60	speed (mph)	60			
(10 PM - 7 AM)	trains/hour	1	trains/hour	1			
	locos/train	1	cars/train	8			
Jointed Track?	Y/N	N	Y/N	N			
Embedded Track?	Y/N	N	Y/N	N			
Aerial Structure?	Y/N	N	Y/N	N			
Barrier Present?	Y/N	N	Y/N	N			
Intervening Rows							
of Buildings	number	0	number	0			

SOURCE REFERENCE	CE LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	4
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Third Avenue

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Leq - daytime (dB)	Leq - nighttime (dB)
64	59
61	56
60	56
	64 61

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PA	NOISE SOURCE PARAMETERS							
Parameter	Source 1		Source 2		Source 3			
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0		
Dist. to receiver	distance (ft)	30	distance (ft)	30				
Daytime Hours	speed (mph)	35	speed (mph)	35				
(7 AM - 10 PM)	trains/hour	3	trains/hour	3				
	locos/train	1	cars/train	8				
Nighttime Hours	speed (mph)	35	speed (mph)	35				
(10 PM - 7 AM)	trains/hour	1	trains/hour	1				
	locos/train	1	cars/train	8				
Jointed Track?	Y/N	N	Y/N	N				
Embedded Track?	Y/N	N	Y/N	N				
Aerial Structure?	Y/N	N	Y/N	N				
Barrier Present?	Y/N	N	Y/N	N				
Intervening Rows								
of Buildings	number	Ö	number	0				

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration
General Transit Noise Assessment
Case: Warren Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
59	56	52
57	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	55	distance (ft)	60		
Daytime Hours	speed (mph)	30	speed (mph)	30		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	30	speed (mph)	30		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST			
Source	Number		
Electric Loco.	1		
Diesel Loco.	2		
Comm. Rail Cars	2 3		
RRT/LRT	4		
AGT, Steel Wheel	5		
AGT, Rubber Tire	6		
Monorail	6 7 8		
Maglev	8		
Automobiles	9		
City Buses	10		
Commuter Buses	11		
Rail Yard or Shop	12		
Layover Tracks	13		
Bus Storage Yard	14		
Bus Op. Facility	15		
Bus Transit Center	16		
Parking Garage	17		
Park & Ride Lot	18		

Federal Transit Adminstration General Transit Noise Assessment Case:

West Britanna Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
61	59	54
59	56	52
58	55	50

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		O
Dist. to receiver	distance (ft)	55	distance (ft)	56		
Daytime Hours	speed (mph)	30	speed (mph)	30		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	30	speed (mph)	30		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows		**************				0,00,00,00,000
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	2 3 4 5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Edwards Avenue

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
54	52	47
57	54	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Danforth Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Leq - daytime (dB)	Leq - nighttime (dB)
58	53
53	49
56	51
	58 53

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	150	distance (ft)	150		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
,	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	3			
RRT/LRT	4			
AGT, Steel Wheel	2 3 4 5 6 7 8 9			
AGT, Rubber Tire	6			
Monorail	7			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Horton Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
59	56	51
54	52	47
57	54	49

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	200	distance (ft)	200		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST				
Source	Number			
Electric Loco.	1			
Diesel Loco.	2			
Comm. Rail Cars	2 3			
RRT/LRT	4			
AGT, Steel Wheel	5			
AGT, Rubber Tire	6			
Monorail	6 7 8			
Maglev	8			
Automobiles	9			
City Buses	10			
Commuter Buses	11			
Rail Yard or Shop	12			
Layover Tracks	13			
Bus Storage Yard	14			
Bus Op. Facility	15			
Bus Transit Center	16			
Parking Garage	17			
Park & Ride Lot	18			

Federal Transit Adminstration
General Transit Noise Assessment
Case: Tremont Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

,		
Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
61	58	53
64	61	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	72	distance (ft)	70		
Daytime Hours	speed (mph)	70	speed (mph)	70		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	70	speed (mph)	70		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	Ö		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Winthrop Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
62	59	54
64	61	56

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	50	distance (ft)	45		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	50		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	O	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3 4
RRT/LRT	
AGT, Steel Wheel	5 6 7 8 9
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Webster Street

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RESULTS
Noise Source
All Sources
Source 1
Source 2
Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
62	60	55
59	56	51
60	57	52

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	80	distance (ft)	80		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	50		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	0	number	0		

SOURCE REFERENC	E LIST
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	2 3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18

Federal Transit Adminstration
General Transit Noise Assessment
Case: Weir Street

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RESULTS Noise Source All Sources Source 1 Source 2 Source 3

Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
66	63	58
62	59	55
63	60	55

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

NOISE SOURCE PARAMETERS						
Parameter	Source 1		Source 2		Source 3	
Source Num.	Electric Loco.	1	Comm. Rail Cars	3		0
Dist. to receiver	distance (ft)	48	distance (ft)	50		
Daytime Hours	speed (mph)	50	speed (mph)	50		
(7 AM - 10 PM)	trains/hour	3	trains/hour	3		
	locos/train	1	cars/train	8		
Nighttime Hours	speed (mph)	50	speed (mph)	5 0		
(10 PM - 7 AM)	trains/hour	1	trains/hour	1		
	locos/train	1	cars/train	8		
Jointed Track?	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N		
Intervening Rows						
of Buildings	number	Ö	number	0		

SOURCE REFERENCE LIST	
Source	Number
Electric Loco.	1
Diesel Loco.	2
Comm. Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	5 6 7 8
Maglev	8
Automobiles	9
City Buses	10
Commuter Buses	11
Rail Yard or Shop	12
Layover Tracks	13
Bus Storage Yard	14
Bus Op. Facility	15
Bus Transit Center	16
Parking Garage	17
Park & Ride Lot	18



Horn Calculations



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Attleboro-Suburban



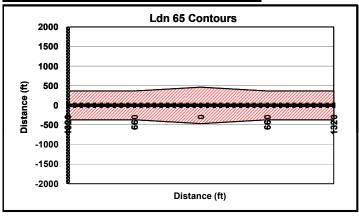
	User Input	
om List) 2	Noise Situation (Pick from List	2
00 feet 104	Horn Lmax (dBA) @ 100 fee	104
m List) 1	Horn Location on Locomotive(Pick from List)	1
om list) 2	Non Train Noise Environment (pick from list	2
om List) 4	Shielding (Pick from List	4
om list) 1	Length of Impact Area (pick from list)	1
d (mph) 100	Existing Train Speed (mph	100
d (mph) 100	Future Train Speed (mph)	100
irection 0	Number of Existing Trains in one Direction	0
irection 19	Number of Future Trains in one Direction	19
0 p.m.) 0	Existing Number of Day Trains (7 am to 10 p.m.)	0
0 p.m.) 16	Future Number of Day Trains (7 am to 10 p.m.)	16
o 7 am) 0	Existing Number of Night Trains (10 p.m. to 7 am	0
o 7 am) 3	Future Number of Night Trains (10 p.m. to 7 am)	3
of Cars 8	Existing Average Number of Cars	8
of Cars 8	Future Average Number of Cars	8
notives 1	Existing Average Number of Locomotives	1
notives 1	Future Average Number of Locomotives	1

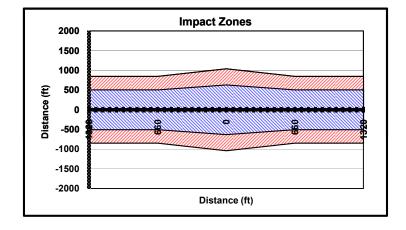
Noise Situation			
Horns Existing and Fu	ture		1
Horns in Future Only			2
No Horns Existing and	Futu	ire	3
Horn Location on Lo	como	otive	
National Average (50%	6 fror	rt, 50% middle)	1
All Front Mounted			2
All Middle Mounted			3
User Defined	80	% front mounted horns	4
Non Train Noise Env	ironn	nent	
Urban			1
Suburban			2
Rural			3
User Defined Ldn =	50	dBA	4

hielding	ding Ldn 65 Contours Numeric Output (in feet)			
Dense Urban	1	Existing 65 Ldn Contour at X-ing	0	
Light Urban	2	Future 65 Ldn Contour at X-ing	464	
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0	
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	366	
Rural	5	Zone Length	1320	
No Shielding	6	1/2 Zone Length	660	
		·		

	Length of Impact Area					
	1/4 mile	1				
-	20 seconds	2				
	15 seconds	3				

mpact Zones Numeric Output (in feet)				
Impact Distance at X-ing	1040			
Severe Impact Distance at X-ing	631			
Impact Distance at 1/2 zone length	847			
Severe Impact Distance at 1/2 zone length	504			
Zone Length	1320			
1/2 Zone Length	660			









Attleboro - Urban



ser Input	
Noise Situation (Pick from List)	2
Horn Lmax (dBA) @ 100 feet	104
Horn Location on Locomotive(Pick from List)	1
Non Train Noise Environment (pick from list)	1
Shielding (Pick from List)	2
Length of Impact Area (pick from list)	1
Existing Train Speed (mph)	50
Future Train Speed (mph)	50
Number of Existing Trains in one Direction	0
Number of Future Trains in one Direction	19
Existing Number of Day Trains (7 am to 10 p.m.)	0
Future Number of Day Trains (7 am to 10 p.m.)	16
Existing Number of Night Trains (10 p.m. to 7 am)	0
Future Number of Night Trains (10 p.m. to 7 am)	3
Existing Average Number of Cars	8
Future Average Number of Cars	8
Existing Average Number of Locomotives	1
Future Average Number of Locomotives	1

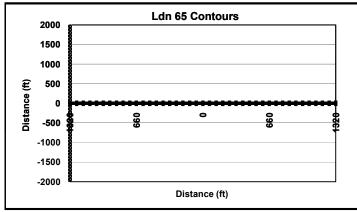
Noise Situation			
Horns Existing and Fu	ıture		1
Horns in Future Only			2
No Horns Existing and	d Futu	re	3
Horn Location on Lo	como	otive	
National Average (50% front, 50% middle)			1
All Front Mounted			2
All Middle Mounted			3
User Defined	User Defined 80 % front mounted horns		
Non Train Noise Env	rironn	nent	
Urban			1
Suburban			2
Rural			3
Liser Defined Lidn =	50	dΒΛ	4

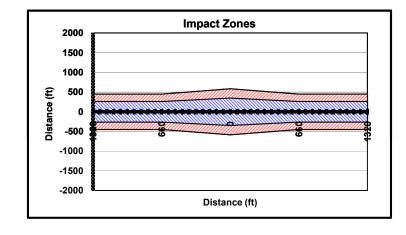
Shielding		Ldn 65 Contours Numeric Output (in feet)			
Dense Urban	1	Existing 65 Ldn Contour at X-ing	0		
Light Urban	2	Future 65 Ldn Contour at X-ing	0		
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0		
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	0		
Rural	5	Zone Length			
No Shielding 6 1/2 Zone Length 6		660			
, <u></u>					
ength of Impact Area Impact Zones Numeric Output (in feet)					

20 seconds 15 seconds

oor Boilliou		70 HOHE HIGHHOU HOHIO	
lon Train Noise Env	rironn	nent	
Irban			1
uburban			2
tural			3
lser Defined Ldn =	50	dBA	4

Impact Zones Numeric Output (in feet)	
Impact Distance at X-ing	584
Severe Impact Distance at X-ing	348
Impact Distance at 1/2 zone length	448
Severe Impact Distance at 1/2 zone length	261
Zone Length	1320
1/2 Zone Length	660









Fall River - Suburban



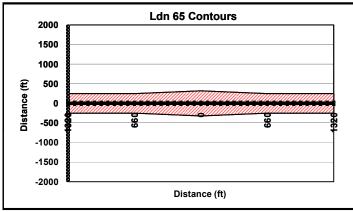
	User Input
2	Noise Situation (Pick from List)
104	Horn Lmax (dBA) @ 100 feet
1	Horn Location on Locomotive(Pick from List)
2	Non Train Noise Environment (pick from list)
4	Shielding (Pick from List)
1	Length of Impact Area (pick from list)
100	Existing Train Speed (mph)
100	Future Train Speed (mph)
0	Number of Existing Trains in one Direction
10	Number of Future Trains in one Direction
0	Existing Number of Day Trains (7 am to 10 p.m.)
9	Future Number of Day Trains (7 am to 10 p.m.)
0	Existing Number of Night Trains (10 p.m. to 7 am)
1	Future Number of Night Trains (10 p.m. to 7 am)
8	Existing Average Number of Cars
8	Future Average Number of Cars
1	Existing Average Number of Locomotives
1	Future Average Number of Locomotives

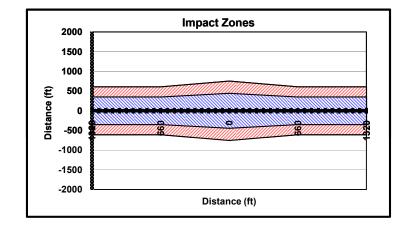
Noise Situation			
Horns Existing and Fu	ıture		1
Horns in Future Only			2
No Horns Existing and	d Futu	ire	3
Horn Location on Lo	como	otive	
National Average (50%	% fron	rt, 50% middle)	1
All Front Mounted			2
All Middle Mounted			3
User Defined 80 % front mounted horns			4
Non Train Noise Env	ironn	nent	
Urban			- 1
Suburban			2
Rural			3
User Defined Ldn =	50	dBA	4

hielding		Ldn 65 Contours Numeric Output (in feet)		
Dense Urban	1	Existing 65 Ldn Contour at X-ing	0	
Light Urban	2	Future 65 Ldn Contour at X-ing	320	
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0	
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	248	
Rural	5	Zone Length	1320	
No Shielding	6	1/2 Zone Length	660	
•				

Length of Impact Area			
1/4 mile	1	Г	
20 seconds	2		
15 seconds	3		
		· [

Impact Zones Numeric Output (in feet)				
Impact Distance at X-ing	754			
Severe Impact Distance at X-ing	444			
Impact Distance at 1/2 zone length	607			
Severe Impact Distance at 1/2 zone length	350			
Zone Length	1320			
1/2 Zone Length	660			









Fall River - Urban



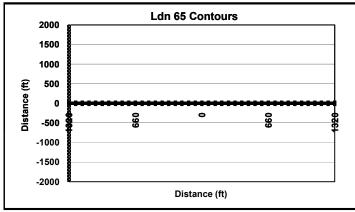
Jser Input	
Noise Situation (Pick from List)	2
Horn Lmax (dBA) @ 100 feet	104
Horn Location on Locomotive(Pick from List)	1
Non Train Noise Environment (pick from list)	1
Shielding (Pick from List)	2
Length of Impact Area (pick from list)	1
Existing Train Speed (mph)	80
Future Train Speed (mph)	80
Number of Existing Trains in one Direction	0
Number of Future Trains in one Direction	10
Existing Number of Day Trains (7 am to 10 p.m.)	0
Future Number of Day Trains (7 am to 10 p.m.)	9
Existing Number of Night Trains (10 p.m. to 7 am)	0
Future Number of Night Trains (10 p.m. to 7 am)	1
Existing Average Number of Cars	8
Future Average Number of Cars	8
Existing Average Number of Locomotives	1
Future Average Number of Locomotives	1

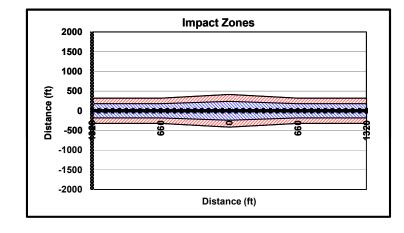
Noise Situation			
Horns Existing and Fu	iture		1
Horns in Future Only			2
No Horns Existing and	l Futu	re	3
Horn Location on Lo	como	otive	
National Average (50%)	% fron	it, 50% middle)	1
All Front Mounted			2
All Middle Mounted			3
User Defined 80 % front mounted horns			4
Non Train Noise Env	ironn	nent	
Urban			1
Suburban			2
Rural			3
User Defined Ldn =	50	dBA	4

Shielding		Ldn 65 Contours Numeric Output (in feet)		
Dense Urban	1	Existing 65 Ldn Contour at X-ing	0	
Light Urban	2	Future 65 Ldn Contour at X-ing	0	
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0	
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	0	
Rural	5	Zone Length	1320	
No Shielding	6	1/2 Zone Length	660	
Length of Impact Area Impact Zones Numeric Output (in feet)				

4	1/4 mile
	20 seconds
	15 seconds
1	
2	
3	
4	

•	
mpact Zones Numeric Output (in feet)	
Impact Distance at X-ing	414
Severe Impact Distance at X-ing	240
Impact Distance at 1/2 zone length	319
Severe Impact Distance at 1/2 zone length	180
Zone Length	1320
1/2 Zone Length	660









Northeast - Suburban



	User Input	
1	Noise Situation (Pick from List)	1
104	Horn Lmax (dBA) @ 100 feet	104
1	Horn Location on Locomotive(Pick from List)	1
2	Non Train Noise Environment (pick from list)	2
3	Shielding (Pick from List)	3
1	Length of Impact Area (pick from list)	1
100	Existing Train Speed (mph)	100
100	Future Train Speed (mph)	100
63	Number of Existing Trains in one Direction	63
82	Number of Future Trains in one Direction	82
53	Existing Number of Day Trains (7 am to 10 p.m.)	53
69	Future Number of Day Trains (7 am to 10 p.m.)	69
10	Existing Number of Night Trains (10 p.m. to 7 am)	10
13	Future Number of Night Trains (10 p.m. to 7 am)	13
8	Existing Average Number of Cars	8
8	Future Average Number of Cars	8
1	Existing Average Number of Locomotives	1
1	Future Average Number of Locomotives	1

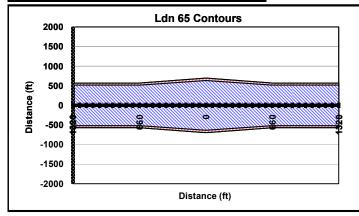
Noise Situation			
Horns Existing and Fu	ture		1
Horns in Future Only			2
No Horns Existing and	l Futu	re	3
_			
Horn Location on Lo	como	otive	
National Average (50%	% fron	t, 50% middle)	1
All Front Mounted			2
All Middle Mounted			3
User Defined	80	% front mounted horns	4
Non Train Noise Env	ironn	nent	
Urban			1
Suburban			2
Rural			3
User Defined Ldn =	50	dBA	4

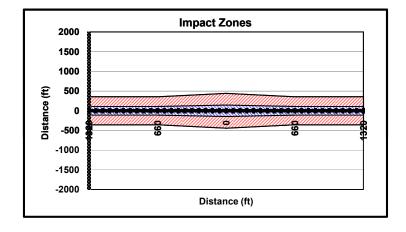
Shielding		Ldn 65 Contours Numeric Output (in feet)			
Dense Urban	1	Existing 65 Ldn Contour at X-ing	635		
Light Urban	2	Future 65 Ldn Contour at X-ing	696		
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	517		
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	569		
Rural	5	Zone Length	1320		
No Shielding	6	1/2 Zone Length	660		
Length of Impact Area Impact Zones Numeric Output (in feet)					

20 seconds 15 seconds

sei Deilileu	8	70 HOHE HIDUITEG HOHIS	•
on Train Noise Env	ironn	nent	
rban			1
uburban			2
ural		_	3
ser Defined Ldn =	50	dBA	4
•			

ĕ	
-	
Impact Zones Numeric Output (in feet)	
Impact Distance at X-ing	441
Severe Impact Distance at X-ing	146
Impact Distance at 1/2 zone length	354
Severe Impact Distance at 1/2 zone length	110
Zone Length	1320
1/2 Zone Length	660





	Jser Input	
1	Noise Situation (Pick from List)	1
104	Horn Lmax (dBA) @ 100 feet	04
1	Horn Location on Locomotive(Pick from List)	1
2	Non Train Noise Environment (pick from list)	2
3	Shielding (Pick from List)	3
1	Length of Impact Area (pick from list)	1
100	Existing Train Speed (mph)	00
100	Future Train Speed (mph)	00
44	Number of Existing Trains in one Direction	44
63	Number of Future Trains in one Direction	63
37	Existing Number of Day Trains (7 am to 10 p.m.)	37
53	Future Number of Day Trains (7 am to 10 p.m.)	53
8	Existing Number of Night Trains (10 p.m. to 7 am)	8
11	Future Number of Night Trains (10 p.m. to 7 am)	11
8	Existing Average Number of Cars	8
8	Future Average Number of Cars	8
1	Existing Average Number of Locomotives	1
1	Future Average Number of Locomotives	1

Noise Situation			
Horns Existing and Fu	ture		1
Horns in Future Only			2
No Horns Existing and	l Futu	re	3
_			
Horn Location on Lo	como	otive	
National Average (50%	% fron	t, 50% middle)	1
All Front Mounted			2
All Middle Mounted			3
User Defined	80	% front mounted horns	4
Non Train Noise Env	ironn	nent	
Urban			1
Suburban			2
Rural		_	3
User Defined Ldn =	50	dBA	4

Shielding		Ldn 65 Contours Numeric Output (in feet)	
Dense Urban	1	Existing 65 Ldn Contour at X-ing	577
Light Urban	2	Future 65 Ldn Contour at X-ing	649
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	468
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	529
Rural	5	Zone Length	1320
No Shielding	6	1/2 Zone Length	660
Length of Impact A	Length of Impact Area Impact Zones Numeric Output (in feet)		
1/4 mile	1	Impact Distance at X-ing	537

Severe Impact Distance at X-ing

Zone Length

1/2 Zone Length

Impact Distance at 1/2 zone length Severe Impact Distance at 1/2 zone length 434

110

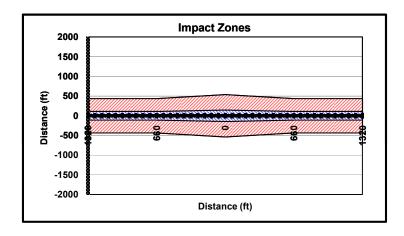
1320

660

20 seconds

15 seconds

2000	Ldn 65 Contours
1500	
1000	
500	
0	
-500	0 09
-1000	
-1500	
-2000	
	Distance (ft)
	500 0 -500 -1000 -1500







New Bedford - Rural



User Input	
Noise Situation (Pick from List)	2
Horn Lmax (dBA) @ 100 feet	104
Horn Location on Locomotive(Pick from List)	1
Non Train Noise Environment (pick from list)	3
Shielding (Pick from List)	4
Length of Impact Area (pick from list)	1
Existing Train Speed (mph)	100
Future Train Speed (mph)	100
Number of Existing Trains in one Direction	0
Number of Future Trains in one Direction	10
Existing Number of Day Trains (7 am to 10 p.m.)	0
Future Number of Day Trains (7 am to 10 p.m.)	9
Existing Number of Night Trains (10 p.m. to 7 am)	0
Future Number of Night Trains (10 p.m. to 7 am)	1
Existing Average Number of Cars	8
Future Average Number of Cars	8
Existing Average Number of Locomotives	1
Future Average Number of Locomotives	1

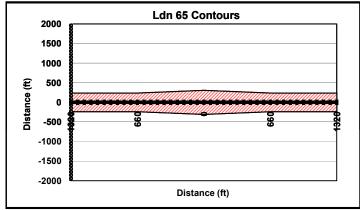
		•	
Noise Situation			
Horns Existing and Fu	ture		1
Horns in Future Only			2
No Horns Existing and	l Futu	ire	3
Horn Location on Lo	como	otive	
National Average (50%)	% fron	rt, 50% middle)	1
All Front Mounted			2
All Middle Mounted			3
User Defined	80	% front mounted horns	4
Non Train Noise Env	ironn	nent	
Urban			1
Suburban			2
Rural			3
User Defined Ldn =	50	dBA	4

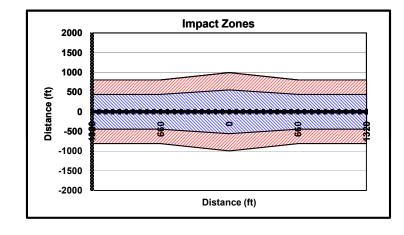
Shielding		Ldn 65 Contours Numeric Output (in feet)		
Dense Urban	1	Existing 65 Ldn Contour at X-ing	0	
Light Urban	2	Future 65 Ldn Contour at X-ing	307	
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0	
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	237	
Rural	5	Zone Length	1320	
No Shielding	6	1/2 Zone Length	660	
, , , , , , , , , , , , , , , , , , , ,				
Length of Impact Area Impact Zones Numeric Output (in feet)				

1/4 mile 20 seconds 15 seconds

ed % from mounted norms	4
Noise Environment	
	1
	2
	3
ed Ldn = 50 dBA	4

Impact Zones Numeric Output (in feet)	
Impact Distance at X-ing	993
Severe Impact Distance at X-ing	556
Impact Distance at 1/2 zone length	808
Severe Impact Distance at 1/2 zone length	442
Zone Length	1320
1/2 Zone Length	660









New Bedford -Urban



Jser Input	
Noise Situation (Pick from List)	2
Horn Lmax (dBA) @ 100 feet	104
Horn Location on Locomotive(Pick from List)	1
Non Train Noise Environment (pick from list)	1
Shielding (Pick from List)	2
Length of Impact Area (pick from list)	1
Existing Train Speed (mph)	70
Future Train Speed (mph)	70
Number of Existing Trains in one Direction	0
Number of Future Trains in one Direction	10
Existing Number of Day Trains (7 am to 10 p.m.)	0
Future Number of Day Trains (7 am to 10 p.m.)	9
Existing Number of Night Trains (10 p.m. to 7 am)	0
Future Number of Night Trains (10 p.m. to 7 am)	1
Existing Average Number of Cars	8
Future Average Number of Cars	8
Existing Average Number of Locomotives	1
Future Average Number of Locomotives	1

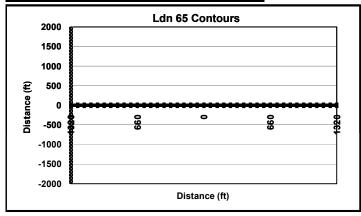
Noise Situation			
Horns Existing and Fu	ıture		1
Horns in Future Only			2
No Horns Existing and	d Futu	ire	3
Horn Location on Lo	como	otive	
National Average (50%)	% fron	rt, 50% middle)	1
All Front Mounted			2
All Middle Mounted			3
User Defined	80	% front mounted horns	4
Non Train Noise Env	ironn	nent	
Urban			1
Suburban			2
Rural			3
User Defined Ldn =	50	dBA	4

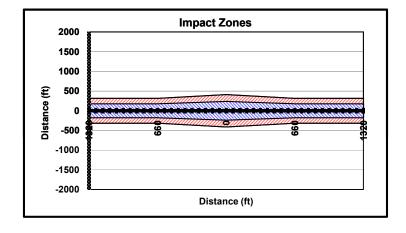
Shielding		Ldn 65 Contours Numeric Output (in feet)			
Dense Urban	1	Existing 65 Ldn Contour at X-ing	0		
Light Urban	2	Future 65 Ldn Contour at X-ing	0		
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0		
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	0		
Rural	5	Zone Length	1320		
No Shielding	6	1/2 Zone Length	660		
Length of Impact Area Impact Zones Numeric Output (in feet)					

20 seconds 15 seconds

or Domined	,	70 HOHE HIDANECA HOHIO	
on Train Noise Env	ironm	nent	
ban			1
ıburban			2
ıral		_	3
ser Defined Ldn =	50	dBA	4

Impact Zones Numeric Output (in feet)			
410			
238			
314			
177			
1320			
660			









Stoughton - Suburban



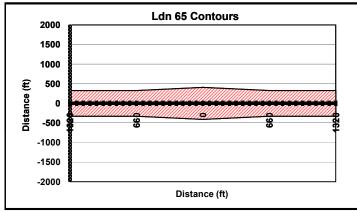
Jser Input	
Noise Situation (Pick from List)	2
Horn Lmax (dBA) @ 100 feet	104
Horn Location on Locomotive(Pick from List)	1
Non Train Noise Environment (pick from list)	2
Shielding (Pick from List)	3
Length of Impact Area (pick from list)	1
Existing Train Speed (mph)	100
Future Train Speed (mph)	100
Number of Existing Trains in one Direction	0
Number of Future Trains in one Direction	19
Existing Number of Day Trains (7 am to 10 p.m.)	0
Future Number of Day Trains (7 am to 10 p.m.)	16
Existing Number of Night Trains (10 p.m. to 7 am)	0
Future Number of Night Trains (10 p.m. to 7 am)	3
Existing Average Number of Cars	8
Future Average Number of Cars	8
Existing Average Number of Locomotives	1
Future Average Number of Locomotives	1

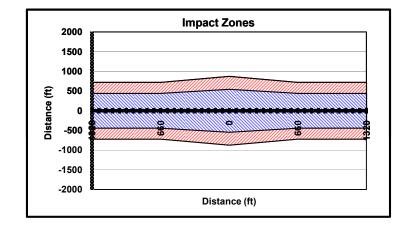
Noise Situation		
Horns Existing and Fu	ture	1
Horns in Future Only		2
No Horns Existing and	I Future	3
_		
Horn Location on Lo	comotive	
National Average (50%	% front, 50% middle)	1
All Front Mounted		
All Middle Mounted		
User Defined 80 % front mounted horns		
Non Train Noise Env	ironment	
Urban		
Suburban		
Rural		
User Defined Ldn = 50 dBA		

Shielding Ldn 65 Contours Numeric Output (in feet)				
Dense Urban	1	Existing 65 Ldn Contour at X-ing		
Light Urban	2	Future 65 Ldn Contour at X-ing	408	
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0	
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	327	
Rural	5	Zone Length	1320	
No Shielding	6	1/2 Zone Length		
Length of Impact A	Length of Impact Area Impact Zones Numeric Output (in feet)			

20 seconds 15 seconds

	Impact Zones Numeric Output (in feet)
g 873	Impact Distance at X-ing
545	Severe Impact Distance at X-ing
7 20	Impact Distance at 1/2 zone length
1 442	Severe Impact Distance at 1/2 zone length
1 320	Zone Length
1 660	1/2 Zone Length









Whittenton - Suburban



User Input	
Noise Situation (Pick from List)	2
Horn Lmax (dBA) @ 100 feet	104
Horn Location on Locomotive(Pick from List)	1
Non Train Noise Environment (pick from list)	2
Shielding (Pick from List)	3
Length of Impact Area (pick from list)	1
Existing Train Speed (mph)	60
Future Train Speed (mph)	60
Number of Existing Trains in one Direction	0
Number of Future Trains in one Direction	19
Existing Number of Day Trains (7 am to 10 p.m.)	0
Future Number of Day Trains (7 am to 10 p.m.)	16
Existing Number of Night Trains (10 p.m. to 7 am)	0
Future Number of Night Trains (10 p.m. to 7 am)	3
Existing Average Number of Cars	8
Future Average Number of Cars	8
Existing Average Number of Locomotives	1
Future Average Number of Locomotives	1

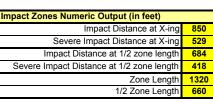
Noise Situation			
Horns Existing and Fu	ture		1
Horns in Future Only			2
No Horns Existing and	Futu	re	3
_			
Horn Location on Lo	como	otive	
National Average (50%	6 fron	t, 50% middle)	1
All Front Mounted			2
All Middle Mounted			3
User Defined 80 % front mounted horns			4
Non Train Noise Env	ironn	nent	
Urban			1
Suburban			2
Rural			3
User Defined Ldn = 50 dBA			4

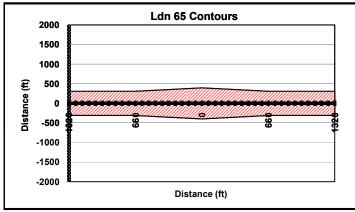
Shielding		Ldn 65 Contours Numeric Output (in feet)			
Dense Urban	1	Existing 65 Ldn Contour at X-ing	0		
Light Urban	2	Future 65 Ldn Contour at X-ing	396		
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0		
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	308		
Rural	5	Zone Length	1320		
No Shielding	6	1/2 Zone Length	660		
Length of Impact Area Impact Zones Numeric Output (in feet)					
1/4 mile	1	Impact Distance at X-ing 85			

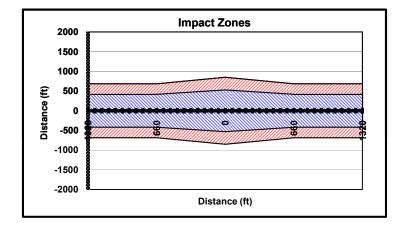
20 seconds

15 seconds

Non Train Noise Env	ironment	
Jrban		1
Suburban		2
Rural		3
Jser Defined Ldn =	50 dBA	4











Whittenton - Urban

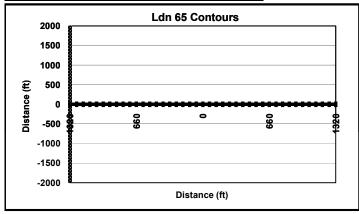


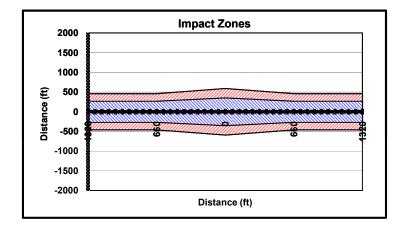
User Input	
Noise Situation (Pick from List)	2
Horn Lmax (dBA) @ 100 feet	104
Horn Location on Locomotive(Pick from List)	1
Non Train Noise Environment (pick from list)	1
Shielding (Pick from List)	2
Length of Impact Area (pick from list)	1
Existing Train Speed (mph)	70
Future Train Speed (mph)	70
Number of Existing Trains in one Direction	0
Number of Future Trains in one Direction	19
Existing Number of Day Trains (7 am to 10 p.m.)	0
Future Number of Day Trains (7 am to 10 p.m.)	16
Existing Number of Night Trains (10 p.m. to 7 am)	0
Future Number of Night Trains (10 p.m. to 7 am)	3
Existing Average Number of Cars	8
Future Average Number of Cars	8
Existing Average Number of Locomotives	1
Future Average Number of Locomotives	1

Noise Situation								
Horns Existing and Future								
Horns in Future Only								
No Horns Existing and Future								
Horn Location on Locomotive								
National Average (50% front, 50% middle)								
All Front Mounted								
All Middle Mounted								
User Defined	Jser Defined 80 % front mounted horns							
Non Train Noise Environment								
Urban								
Suburban								
Rural								
User Defined Ldn = 50 dBA								

hielding		Ldn 65 Contours Numeric Output (in feet)					
Dense Urban	1	Existing 65 Ldn Contour at X-ing	0				
Light Urban	2	Future 65 Ldn Contour at X-ing	0				
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	0				
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	0				
Rural	5	Zone Length	1320				
No Shielding	6	1/2 Zone Length	660				
		-					

igth of Impact A	rea	Impact Zones Numeric Output (in feet)						
1/4 mile	1	Impact Distance at X-ing						
20 seconds	2	Severe Impact Distance at X-ing						
15 seconds	3	Impact Distance at 1/2 zone lengt						
		Severe Impact Distance at 1/2 zone length						
		Zone Length						
		1/2 Zone Length						









Layover Facilities



Layover Facilities Sound Levels and Impacts

							Moderate Impact				Severe Impact			
Layovers:	Noise Exposure @ 50' (Ldn)		Existing Noise Exposure (Ldn)		Ldn	Delta	Distance	Number of Impacts	Ldn	Delta	Distance	Number of Impacts		
	Leq - day	Leq - night	Ldn	Comp. Field	FTA Table 5-7	Use								
Boston Midday - Cold Storage	73.4	73.4	79.8	-	55+50+60 60	60	57.8	22.0	375		63.4	16.4	225	
Freetown - ISP Site	73.4	73.4	79.8	45 - 55	50	50	53.4	26.5	575	0	59.6	20.2	325	0
Fall River - Weaver's Cove Site	73.4	73.4	79.8	55 - 60	50 - 55	55	55.3	24.5	475	0	61.2	18.6	275	1
Fall River - Weaver's Cove Site West	73.4	73.4	79.8	55 - 60	50 - 55	55	55.3	24.5	475		61.2	18.6	275	
New Bedford - Church Street Site	73.4	73.4	79.8	55	50 - 55	55	55.3	24.5	475	0	61.2	18.6	275	0
New Bedford - Wamsutta Site	73.4	73.4	79.8	65	55 - 60	60	57.8	22.0	375	0	63.4	16.4	225	0

A Source Reference Level of 109 dBA at 50 from the center of the site for layover tracks was used (FTA Guidelines - Table 5-5).

All facilities are assumed to have one train idling per hour (day and night).

^{109 -} Source Reference Level at 50 from Center of Site for Layover Tracks (FTA Guidelines - Table 5-5)