NOISE CONTOUR FIGURES
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Note: No Cat 1 Severe Impact
Cat 1 Receptor: Moderate Impact

Category 2 Moderate Contour
Category 2 Severe Contour
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact

Category 3 Moderate Contour
Category 3 Severe Contour
Cat 3 Receptor: Moderate Impact
Note: No Cat 3 Severe Impact
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Note: No Cat 1 Severe Impact

Category 2 Moderate Contour
Category 2 Severe Contour
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact

Category 3 Moderate Contour
Category 3 Severe Contour
Cat 3 Receptor: Moderate Impact
Note: No Cat 3 Severe Impact

Final Environmental Impact Statement

Map Location in Corridor

02
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Map Location in Corridor

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Cat 1 Receptor: Moderate Impact

Category 1 Severe Contour
Cat 1 Receptor: Moderate Impact
Note: No Cat 1 Severe Impact

Category 2 Moderate Contour
Cat 2 Receptor: Moderate Impact

Category 2 Severe Contour
Cat 2 Receptor: Severe Impact

Category 3 Moderate Contour
Cat 3 Receptor: Moderate Impact

Category 3 Severe Contour
Cat 3 Receptor: Severe Impact
Note: No Cat 3 Severe Impact
FTA Detailed Noise Assessment Based on SEL = 84 dBA

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 3 Receptor: Moderate Impact

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Map Location in Corridor

Final Environmental Impact Statement
FTA Detailed Noise Assessment
Based on SEL = 84 dBA
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FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact
Cat 3 Receptor: Severe Impact

Note: No Cat 1 Severe Impact
Note: No Cat 2 Severe Impact
Note: No Cat 3 Severe Impact
07
FTA Detailed Noise Assessment
Based on SEL = 84 dBA
Final Environmental Impact Statement

Legend
Station Platforms
- Crossover
- CCLRT
HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
- Cat 1 Receptor: Moderate Impact

Category 1 Severe Contour
- Note: No Cat 1 Severe Impact

Category 2 Moderate Contour
- Cat 2 Receptor: Moderate Impact
- Cat 2 Receptor: Severe Impact

Category 2 Severe Contour
- Cat 3 Receptor: Moderate Impact
- Note: No Cat 3 Severe Impact

Category 3 Moderate Contour
- Cat 3 Receptor: Moderate Impact
- Note: No Cat 3 Severe Impact
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact
Cat 3 Receptor: Severe Impact

Note: No Cat 1 Severe Impact
Note: No Cat 3 Severe Impact
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Map Location in Corridor

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact
Cat 3 Receptor: Moderate Impact

Note: No Cat 1 Severe Impact
Note: No Cat 2 Severe Impact
Note: No Cat 3 Severe Impact

Final Environmental Impact Statement
Map Location in Corridor

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

1. Cat 1 Receptor: Moderate Impact
2. Note: No Cat 1 Severe Impact
3. Cat 2 Receptor: Moderate Impact
4. Cat 2 Receptor: Severe Impact
5. Cat 3 Receptor: Moderate Impact
6. Note: No Cat 3 Severe Impact

FTA Detailed Noise Assessment Based on SEL = 84 dBA

Final Environmental Impact Statement
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FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 1 Receptor: Moderate Impact
Note: No Cat 1 Severe Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Note: No Cat 3 Severe Impact
Cat 3 Receptor: Moderate Impact
Cat 3 Receptor: Moderate Impact

Map Location in Corridor

Final Environmental Impact Statement
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 3 Receptor: Moderate Impact

Note: No Cat 1 Severe Impact
Note: No Cat 2 Severe Impact
Note: No Cat 3 Severe Impact

Map Location in Corridor
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

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Map Location in Corridor
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Final Environmental Impact Statement

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact
Note: No Cat 3 Severe Impact

Map Location in Corridor

Central Corridor
Light Rail Transit

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Map Document: (\Mspe-gis-file\gisproj\MetCouncil\65891\map_docs\mxd\FEIS\CH4_Enviro\4.6_Noise\APPENDIX_NoiseMapBook_042909_cs8 4dBA.mxd) 5/6/2009
FTA Detailed Noise Assessment
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Final Environmental Impact Statement
FTA Detailed Noise Assessment Based on SEL = 84 dBA

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FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact
Cat 3 Receptor: Severe Impact

Note: No Cat 1 Severe Impact
Note: No Cat 3 Severe Impact
FTA Detailed Noise Assessment
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FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Note: No Cat 1 Severe Impact
Note: No Cat 3 Severe Impact

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 2 Moderate Contour
Category 3 Moderate Contour
Category 1 Severe Contour
Category 2 Severe Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 3 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact

Final Environmental Impact Statement
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact

Note: No Cat 1 Severe Impact
Note: No Cat 3 Severe Impact

Final Environmental Impact Statement

Map Location in Corridor

Central Corridor
Light Rail Transit
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact

Note: No Cat 1 Severe Impact
Note: No Cat 3 Severe Impact

Map Location in Corridor
FTA Detailed Noise Assessment Based on SEL = 84 dBA

Final Environmental Impact Statement
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Map Location in Corridor

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Note: No Cat 1 Severe Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Note: No Cat 2 Severe Impact
Cat 3 Receptor: Moderate Impact
Note: No Cat 3 Severe Impact

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Final Environmental Impact Statement
FTA Detailed Noise Assessment
Based on SEL = 84 dBA
Final Environmental Impact Statement
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Final Environmental Impact Statement

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Map Location in Corridor

Map Document: \Mspe-gis-file\gisproj\MetCouncil\65891\map_docs\mxd\FEIS\CH4_ENVIRO\APPENDIX_NoiseMap_Book_042909_cs8.mxd 5/6/2009
Site specific mitigation

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact

Note: No Cat 1 Severe Impact
Note: No Cat 3 Severe Impact

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FTA Detailed Noise Assessment Based on SEL = 84 dBA

Final Environmental Impact Statement

Central Corridor Light Rail Transit
FTA Detailed Noise Assessment Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 3 Receptor: Moderate Impact

Note: No Cat 1 Severe Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Severe Impact
Note: No Cat 3 Severe Impact

Map Location in Corridor

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Site specific mitigation

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Note: No Cat 1 Severe Impact
Category 2 Moderate Contour
Category 2 Severe Contour
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Category 3 Moderate Contour
Category 3 Severe Contour
Cat 3 Receptor: Moderate Impact
Cat 3 Receptor: Severe Impact
Note: No Cat 3 Severe Impact

FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Final Environmental Impact Statement

Map Location in Corridor
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Map Location in Corridor

Legend:
- Category 1 Moderate Contour
- Category 1 Severe Contour
- Category 2 Moderate Contour
- Category 2 Severe Contour
- Category 3 Moderate Contour
- Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact
Note: No Cat 3 Severe Impact

Note: No Cat 1 Severe Impact

Final Environmental Impact Statement
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Legend
- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 3 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Severe Impact

Note: No Cat 1 Severe Impact
Note: No Cat 3 Severe Impact
FTA Detailed Noise Assessment
Based on SEL = 84 dBA

Map Location in Corridor

Legend

- Station Platforms
- Crossover
- CCLRT
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Note: No Cat 1 Severe Impact

Category 2 Moderate Contour
Category 2 Severe Contour
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact

Category 3 Moderate Contour
Category 3 Severe Contour
Cat 3 Receptor: Moderate Impact
Note: No Cat 3 Severe Impact
Map Location in Corridor

Legend
- Station Platforms
- Crossover
- HLRT station
- HLRT
- Operations and Maintenance Facility

Category 1 Moderate Contour
Category 1 Severe Contour
Category 2 Moderate Contour
Category 2 Severe Contour
Category 3 Moderate Contour
Category 3 Severe Contour

Cat 1 Receptor: Moderate Impact
Cat 2 Receptor: Moderate Impact
Cat 2 Receptor: Severe Impact
Cat 3 Receptor: Moderate Impact
Cat 3 Receptor: Severe Impact

Note: No Cat 1 Severe Impact
Note: No Cat 3 Severe Impact