

| Item | PME | TM or other reference | SWL, dB(A) | No. of PME | % on time | Screening Effect, dB(A) | Noise Mitigation Measures | Total SWL, dB(A) | |
|--|--|-----------------------|------------|------------|-----------|-------------------------|---------------------------|------------------|--|
| 1 | Zone 1 | | | | | | | | |
| | Activity 1 - D Walling | | | | | | | | |
| | Crane, mobile | EPD-01516 | 101 | 2 | 30% | -5 | Movable Barrier | 94 | |
| | Air compressor, air flow > 30m3/min | CNP 003 | 104 | 2 | 100% | -15 | Enclosure | 92 | |
| | Piling, diaphragm wall, hydraulic extractor | CNP 163 | 90 | 1 | 60% | -10 | Fabric | 78 | |
| | Excavator, wheeled/tracked | EPD-01230 | 99 | 1 | 60% | -5 | Movable Barrier | 92 | |
| | Grout Mixer | [1] | 90 | 1 | 60% | -10 | Movable Barrier | 78 | |
| | Water pump, submersible (electric) | CNP 283 | 85 | 2 | 60% | -15 | Enclosure | 71 | |
| | Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 1 | 30% | -5 | Movable Barrier | 95 | |
| | Concrete lorry mixer | CNP 044 | 109 | 1 | 30% | -5 | Movable Barrier | 99 | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 1 | 100% | -15 | Enclosure | 80 | | |
| Total SWL, dB (A) | | | | | | | | 102 | |
| Activity 2 - Bored Piling | | | | | | | | | |
| Group 1 | | | | | | | | | |
| Crane, mobile | EPD-01516 | 101 | 1 | 30% | -5 | Movable Barrier | 91 | | |
| Excavator, wheeled/tracked | EPD-01230 | 99 | 2 | 30% | -5 | Movable Barrier | 92 | | |
| Piling Rig | [2] | 112 | 1 | 60% | -10 | Fabric | 100 | | |
| Drill Rig | [1] | 110 | 1 | 60% | -10 | Fabric | 98 | | |
| Piling, large diameter bored, grab and chisel | CNP 164 | 115 | 1 | 60% | -10 | Fabric | 103 | | |
| Piling, large diameter bored, reverse circulation drill | CNP 166 | 100 | 1 | 60% | -10 | Fabric | 88 | | |
| Piling, large diameter bored, oscillator | CNP 165 | 115 | 1 | 60% | -10 | Fabric | 103 | | |
| Air compressor, air flow > 30m3/min | CNP 003 | 104 | 1 | 100% | -15 | Enclosure | 89 | | |
| Grout Mixer | [1] | 90 | 1 | 60% | -10 | Movable Barrier | 78 | | |
| Grout Pump | [1] | 105 | 1 | 60% | -10 | Movable Barrier | 93 | | |
| Bar bender and cutter (electric) | CNP 021 | 90 | 1 | 60% | -10 | Movable Barrier | 78 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 1 | 100% | -15 | Enclosure | 80 | | |
| Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 1 | 30% | -5 | Movable Barrier | 95 | | |
| Concrete lorry mixer | CNP 044 | 109 | 1 | 30% | -5 | Movable Barrier | 99 | | |
| Welding Set | [2] | 78 | 2 | 60% | -10 | Movable Barrier | 69 | | |
| Total SWL, dB (A) | | | | | | | | 108 | |
| Group 2 | | | | | | | | | |
| Excavator, wheeled/tracked | EPD-01230 | 99 | 2 | 30% | -5 | Movable Barrier | 92 | | |
| Piling Rig | [2] | 112 | 1 | 60% | -10 | Fabric | 100 | | |
| Drill Rig | [1] | 110 | 1 | 60% | -10 | Fabric | 98 | | |
| Piling, large diameter bored, grab and chisel | CNP 164 | 115 | 1 | 60% | -10 | Fabric | 103 | | |
| Piling, large diameter bored, reverse circulation drill | CNP 166 | 100 | 1 | 60% | -10 | Fabric | 88 | | |
| Piling, large diameter bored, oscillator | CNP 165 | 115 | 1 | 60% | -10 | Fabric | 103 | | |
| Crane, mobile | EPD-01516 | 101 | 1 | 30% | -5 | Movable Barrier | 91 | | |
| Grout Mixer | [1] | 90 | 1 | 60% | -10 | Movable Barrier | 78 | | |
| Grout Pump | [1] | 105 | 1 | 60% | -10 | Movable Barrier | 93 | | |
| Bar bender and cutter (electric) | CNP 021 | 90 | 1 | 60% | -10 | Movable Barrier | 78 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 1 | 100% | -15 | Enclosure | 80 | | |
| Total SWL, dB (A) | | | | | | | | 108 | |
| Maximum SWL, dB (A) of Activity 2 | | | | | | | | 108 | |
| 2 | Zone 2 | | | | | | | | |
| | Activity 1 - D Walling | | | | | | | | |
| | Crane, mobile | EPD-01516 | 101 | 2 | 60% | -5 | Movable Barrier | 97 | |
| | Air compressor, air flow > 30m3/min | CNP 003 | 104 | 2 | 100% | -15 | Enclosure | 92 | |
| | Piling, diaphragm wall, hydraulic extractor | CNP 163 | 90 | 1 | 60% | -10 | Fabric | 78 | |
| | Excavator, wheeled/tracked | EPD-01230 | 99 | 2 | 60% | -5 | Movable Barrier | 95 | |
| | Grout Mixer | [1] | 90 | 1 | 60% | -10 | Movable Barrier | 78 | |
| | Water pump, submersible (electric) | CNP 283 | 85 | 1 | 60% | -15 | Enclosure | 68 | |
| | Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 1 | 30% | -5 | Movable Barrier | 95 | |
| | Concrete lorry mixer | CNP 044 | 109 | 1 | 60% | -5 | Movable Barrier | 102 | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 1 | 100% | -15 | Enclosure | 80 | | |
| Total SWL, dB (A) | | | | | | | | 104 | |
| Activity 2 - Bored Piling | | | | | | | | | |
| Crane, mobile | EPD-01516 | 101 | 2 | 60% | -5 | Movable Barrier | 97 | | |
| Excavator, wheeled/tracked | EPD-01230 | 99 | 2 | 30% | -5 | Movable Barrier | 92 | | |
| Piling Rig | [2] | 112 | 2 | 60% | -10 | Fabric | 103 | | |
| Drill Rig | [1] | 110 | 2 | 60% | -10 | Fabric | 101 | | |
| Excavator, wheeled/tracked | EPD-01230 | 99 | 2 | 60% | -5 | Movable Barrier | 95 | | |
| Piling, large diameter bored, grab and chisel | CNP 164 | 115 | 2 | 60% | -10 | Fabric | 106 | | |
| Piling, large diameter bored, reverse circulation drill | CNP 166 | 100 | 2 | 60% | -10 | Fabric | 91 | | |
| Piling, large diameter bored, oscillator | CNP 165 | 115 | 2 | 60% | -10 | Fabric | 106 | | |
| Air compressor, air flow > 30m3/min | CNP 003 | 104 | 2 | 100% | -10 | Enclosure | 97 | | |
| Grout Mixer | [1] | 90 | 2 | 60% | -10 | Movable Barrier | 81 | | |
| Grout Pump | [1] | 105 | 2 | 60% | -10 | Movable Barrier | 96 | | |
| Bar bender and cutter (electric) | CNP 021 | 90 | 2 | 60% | -10 | Movable Barrier | 81 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 2 | 100% | -15 | Enclosure | 83 | | |
| Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 1 | 30% | -5 | Movable Barrier | 95 | | |
| Concrete lorry mixer | CNP 044 | 109 | 1 | 60% | -5 | Movable Barrier | 102 | | |
| Welding Set | [2] | 78 | 2 | 60% | -10 | Movable Barrier | 69 | | |
| Total SWL, dB (A) | | | | | | | | 112 | |
| 3 | Zone 3 | | | | | | | | |
| | Activity 1 - D Walling | | | | | | | | |
| | Crane, mobile | EPD-01516 | 101 | 4 | 60% | -5 | Movable Barrier | 100 | |
| | Air compressor, air flow > 30m3/min | CNP 003 | 104 | 4 | 100% | -15 | Enclosure | 95 | |
| | Piling, diaphragm wall, hydraulic extractor | CNP 163 | 90 | 2 | 60% | -10 | Fabric | 81 | |
| | Excavator, wheeled/tracked | EPD-01230 | 99 | 4 | 60% | -5 | Movable Barrier | 98 | |
| | Grout Mixer | [1] | 90 | 2 | 60% | -10 | Movable Barrier | 81 | |
| | Water pump, submersible (electric) | CNP 283 | 85 | 3 | 60% | -15 | Enclosure | 73 | |
| | Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 2 | 30% | -5 | Movable Barrier | 98 | |
| | Concrete lorry mixer | CNP 044 | 109 | 2 | 60% | -5 | Movable Barrier | 105 | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 2 | 100% | -15 | Enclosure | 83 | | |
| Total SWL, dB (A) | | | | | | | | 107 | |
| 4 | Park Construction - Zone A | | | | | | | | |
| | Activity 1 - Park Construction [3] | | | | | | | | |
| | Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 2 | 60% | -5 | Movable Barrier | 101 | |
| | Crane, mobile | EPD-01516 | 101 | 2 | 60% | -5 | Movable Barrier | 97 | |
| | Excavator, wheeled/tracked | EPD-01230 | 99 | 2 | 60% | -5 | Movable Barrier | 95 | |
| | Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 2 | 100% | -15 | Enclosure | 83 | |
| Lorry | CNP 141 | 112 | 2 | 60% | -5 | Movable Barrier | 108 | | |
| Total SWL, dB (A) | | | | | | | | 109 | |

| Item | PME | TM or other reference | SWL, dB(A) | No. of PME | % on time | Screening Effect, dB(A) | Noise Mitigation Measures | Total SWL, dB(A) | |
|--|--|-----------------------|------------|------------|-----------|-------------------------|---------------------------|------------------|-----|
| | Activity 2 - Superstructure [3] | | | | | | | | |
| | Crane, tower (electric) | CNP 049 | 95 | 1 | 50% | | | 92 | |
| | Crane, mobile | EPD-01516 | 101 | 2 | 50% | -5 | Movable Barrier | 96 | |
| | Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 2 | 50% | -5 | Movable Barrier | 100 | |
| | Concrete pump, stationary/ lorry mounted | CNP 047 | 109 | 2 | 50% | -10 | Movable Barrier | 99 | |
| | Poker, vibratory, hand-held (electric) | [1] | 102 | 5 | 50% | -10 | Movable Barrier | 96 | |
| | Bar bender and cutter (electric) | CNP 021 | 90 | 2 | 50% | -10 | Movable Barrier | 80 | |
| | Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 3 | 100% | -15 | Enclosure | 85 | |
| | Air compressor, air flow > 30m3/min | CNP 003 | 104 | 1 | 100% | -15 | Enclosure | 89 | |
| | Concrete lorry mixer | CNP 044 | 109 | 2 | 50% | -5 | Movable Barrier | 104 | |
| | Drill/grinder, hand-held (electric) | CNP 065 | 98 | 5 | 30% | -10 | Movable Barrier | 90 | |
| | Water pump (electric) | CNP 281 | 88 | 3 | 30% | -15 | Enclosure | 73 | |
| | Excavator, wheeled/tracked | EPD-01230 | 99 | 3 | 30% | -5 | Movable Barrier | 94 | |
| | Fork Lift Truck | [2] | 104 | 3 | 30% | -5 | Movable Barrier | 99 | |
| | Hoist, passenger/ material (electric) | CNP 122 | 95 | 3 | 30% | | | 95 | |
| | Total SWL, dB (A) | | | | | | | | 108 |
| | Maximum SWL, dB (A) | | | | | | | | 109 |
| 5 | ICC Footbridge | | | | | | | | |
| Group 1 | | | | | | | | | |
| Air compressor, air flow > 10m3/min and <= 30m3/min | CNP 002 | 102 | 1 | 100% | -15 | Enclosure | 87 | | |
| Breaker, hand-held, mass > 35kg | CNP 026 | 114 | 2 | 30% | -10 | Movable Barrier | 102 | | |
| Crane, mobile | EPD-01516 | 101 | 1 | 100% | -5 | Movable Barrier | 96 | | |
| Crane Lorry 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 1 | 70% | -5 | Movable Barrier | 98 | | |
| Bar bender and cutter (electric) | CNP 021 | 90 | 1 | 80% | -10 | Movable Barrier | 79 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 1 | 100% | -15 | Enclosure | 80 | | |
| Total SWL, dB (A) | | | | | | | | 104 | |
| Group 2 | | | | | | | | | |
| Breaker, hand-held, mass > 35kg | CNP 026 | 114 | 2 | 30% | -10 | Movable Barrier | 102 | | |
| Breaker, hand-held, mass > 10kg and < 20kg | CNP 024 | 108 | 1 | 30% | -10 | Movable Barrier | 93 | | |
| Concrete lorry mixer | CNP 044 | 109 | 1 | 50% | -5 | Movable Barrier | 101 | | |
| Poker, vibratory, hand-held (electric) | [1] | 102 | 2 | 50% | -10 | Movable Barrier | 92 | | |
| Grout pump | [1] | 105 | 1 | 20% | -10 | Movable Barrier | 88 | | |
| Saw, circular, wood | CNP 201 | 108 | 1 | 80% | -10 | Movable Barrier | 97 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 1 | 100% | -15 | Enclosure | 80 | | |
| Total SWL, dB (A) | | | | | | | | 106 | |
| Maximum SWL, dB (A) | | | | | | | | 106 | |
| 6 | East Concrete Batching Plant (Operation) | | | | | | | | |
| Group 1 | | | | | | | | | |
| Excavator, wheeled/tracked | EPD-01230 | 99 | 1 | 60% | -5 | Movable Barrier | 92 | | |
| Concrete mixer (electric) | CNP 045 | 96 | 1 | 60% | -10 | Movable Barrier | 84 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 2 | 60% | -15 | Enclosure | 81 | | |
| Concrete mixer (petrol) | CNP 046 | 96 | 3 | 60% | -10 | Movable Barrier | 89 | | |
| Concrete lorry mixer | CNP 044 | 109 | 2 | 60% | -5 | Movable Barrier | 105 | | |
| Batching plant | CNP 022 | 108 | 1 | 60% | | | 106 | | |
| Air compressor, air flow > 10m3/min and <= 30m3/min | CNP 002 | 102 | 2 | 60% | -15 | Enclosure | 88 | | |
| Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 1 | 30% | -5 | Movable Barrier | 95 | | |
| Total SWL, dB (A) | | | | | | | | 109 | |
| Group 2 | | | | | | | | | |
| Excavator, wheeled/tracked | EPD-01230 | 99 | 1 | 60% | -5 | Movable Barrier | 92 | | |
| Concrete mixer (electric) | CNP 045 | 96 | 1 | 60% | -10 | Movable Barrier | 84 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 2 | 60% | -15 | Enclosure | 81 | | |
| Concrete mixer (petrol) | CNP 046 | 96 | 3 | 60% | -10 | Movable Barrier | 89 | | |
| Concrete lorry mixer | CNP 044 | 109 | 2 | 60% | -5 | Movable Barrier | 105 | | |
| Batching plant | CNP 022 | 108 | 1 | 60% | | | 106 | | |
| Air compressor, air flow > 10m3/min and <= 30m3/min | CNP 002 | 102 | 2 | 60% | -15 | Enclosure | 88 | | |
| Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 1 | 30% | -5 | Movable Barrier | 95 | | |
| Total SWL, dB (A) | | | | | | | | 109 | |
| Maximum SWL, dB (A) | | | | | | | | 109 | |
| 7 | Barging Points | | | | | | | | |
| Derrick barge | CNP 061 | 104 | 1 | 60% | | | 102 | | |
| Tug boat | CNP 221 | 110 | 1 | 60% | | | 108 | | |
| Dump truck, 5.5 tonne < gross vehicle weight =< 38 tonne | [1] | 105 | 6 | 30% | -5 | Movable Barrier | 103 | | |
| Excavator, wheeled/tracked | EPD-01230 | 99 | 1 | 60% | -5 | Movable Barrier | 92 | | |
| Conveyor belt | CNP 041 | 90 | 1 | 60% | | | 88 | | |
| Total SWL, dB (A) | | | | | | | | 110 | |
| 8/9 | Pier Construction (Optional) | | | | | | | | |
| Group 1 | | | | | | | | | |
| Piling, large diameter bored, reverse circulation drill | CNP 166 | 100 | 1 | 100% | -10 | Fabric | 90 | | |
| Crane, mobile/ barge mounted (diesel) | CNP 048 | 112 | 1 | 60% | -5 | Movable Barrier | 105 | | |
| Tug boat | CNP 221 | 110 | 1 | 60% | | | 108 | | |
| Total SWL, dB (A) | | | | | | | | 110 | |
| Group 2 | | | | | | | | | |
| Concrete pump, stationary/ lorry mounted | CNP 047 | 109 | 2 | 100% | -10 | Movable Barrier | 102 | | |
| Concrete lorry mixer | CNP 044 | 109 | 4 | 60% | -5 | Movable Barrier | 108 | | |
| Water pump (electric) | CNP 281 | 88 | 4 | 100% | | | 94 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 2 | 100% | | | 98 | | |
| Air compressor, air flow > 10m3/min and <= 30m3/min | CNP 002 | 102 | 2 | 100% | -15 | Enclosure | 90 | | |
| Crane, mobile | EPD-01516 | 101 | 1 | 60% | -5 | Movable Barrier | 94 | | |
| Tug boat | CNP 221 | 110 | 1 | 60% | | | 108 | | |
| Total SWL, dB (A) | | | | | | | | 112 | |
| Group 3 | | | | | | | | | |
| Crane, mobile | EPD-01516 | 101 | 1 | 60% | -5 | Movable Barrier | 94 | | |
| Air compressor, air flow > 10m3/min and <= 30m3/min | CNP 002 | 102 | 2 | 100% | -15 | Enclosure | 90 | | |
| Generator, super silenced, 70 dB(A) at 7 m | CNP 103 | 95 | 2 | 100% | | | 98 | | |
| Concrete pump, stationary/ lorry mounted | CNP 047 | 109 | 2 | 100% | -10 | Movable Barrier | 102 | | |
| Concrete lorry mixer | CNP 044 | 109 | 2 | 60% | -5 | Movable Barrier | 105 | | |
| Poker, vibratory, hand-held (electric) | [1] | 102 | 4 | 80% | -10 | Movable Barrier | 97 | | |
| Tug boat | CNP 221 | 110 | 1 | 60% | | | 108 | | |
| Total SWL, dB (A) | | | | | | | | 111 | |
| Maximum SWL, dB (A) | | | | | | | | 112 | |
| 10 | Viewing Platform (Optional) | | | | | | | | |
| Group 1 | | | | | | | | | |
| Piling, large diameter bored, reverse circulation drill | CNP 166 | 100 | 1 | 100% | -10 | Fabric | 90 | | |
| Crane, mobile | EPD-01516 | 101 | 1 | 80% | -5 | Movable Barrier | 95 | | |
| Tug boat | CNP 221 | 110 | 1 | 60% | | | 108 | | |
| Total SWL, dB (A) | | | | | | | | 108 | |
| Group 2 | | | | | | | | | |
| Crane, mobile | EPD-01516 | 101 | 2 | 100% | | | 104 | | |
| Total SWL, dB (A) | | | | | | | | 104 | |
| Maximum SWL, dB (A) | | | | | | | | 108 | |

Note: [1] Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

[2] SWL of Welding Plant and Piling Rig are referred to the Appendix 5.1 of approved EIA Report of Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (AEIAR-143/2009)

[3] Activities Park Construction and Superstructure in Zone A are at same period but will not be carried out simultaneously.

Mitigated Construction Noise Impact

NSR: HT1 (The Harbourside Tower 1)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|-------------|-------------|------------|------------|----|----|----|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 476 | -62 | 3 | 43 | | | 43 | 43 | 43 | 43 | | | | | | |
| Activity 2 - Bored Piling | 108 | 476 | -62 | 3 | 49 | | | | | | 49 | 49 | 49 | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 79 | -46 | 3 | 61 | | | | | | 61 | 61 | 61 | | | | |
| Zone 2.2 | 104 | 79 | -46 | 3 | 61 | | | | | | 61 | 61 | 61 | | | | |
| Zone 2.3 | 104 | 203 | -54 | 3 | 53 | | | | | | 53 | 53 | 53 | | | | |
| Zone 2.4 | 104 | 277 | -57 | 3 | 51 | | | | | | 51 | 51 | 51 | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 79 | -46 | 3 | 69 | | | | | | | | 69 | | | | |
| Zone 2.2 | 112 | 79 | -46 | 3 | 69 | | | | | | | | 69 | | | | |
| Zone 2.3 | 112 | 203 | -54 | 3 | 60 | | | | | | | | 60 | | | | |
| Zone 2.4 | 112 | 277 | -57 | 3 | 58 | | | | | | | | 58 | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 272 | -57 | 3 | 54 | | | | | | | | 54 | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | |
| | 109 | 576 | -63 | 3 | 49 | | | 49 | 49 | 49 | 49 | 49 | 49 | | | | |
| 5) ICC Footbridge | | | | | | | | | | | | | | | | | |
| | 106 | 211 | -54 | 3 | 54 | | | 54 | 54 | 54 | 54 | 54 | 54 | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | |
| | 109 | 461 | -61 | 3 | 50 | | | | | | 50 | 50 | 50 | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 307 | -58 | 3 | 55 | | | 55 | 55 | 55 | 55 | 55 | 55 | | | | |
| BP5 | 110 | 327 | -58 | 3 | 54 | | | 54 | 54 | 54 | 54 | 54 | 54 | | | | |
| BP6 | 110 | 506 | -62 | 3 | 51 | | | 51 | 51 | 51 | 51 | 51 | 51 | | | | |
| BP7 | 110 | 616 | -64 | 3 | 49 | | | 49 | 49 | 49 | 49 | 49 | 49 | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | |
| | 112 | 846 | -67 | 3 | 48 | | | 48 | 48 | 48 | 48 | 48 | 48 | | | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | | | | | |
| | 112 | 347 | -59 | 3 | 56 | | | 56 | 56 | 56 | 56 | 56 | 56 | | | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | | | | | |
| | 108 | 342 | -59 | 3 | 52 | | | 52 | 52 | 52 | 52 | 52 | 52 | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 63 | 63 | 63 | 67 | 67 | 73 | 63 | 63 | 67 | 73 |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 70 | 66 | 62 | 70 | 65 | 62 | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 70 | 70 | 70 | 70 | 70 | 70 | | | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 73 | 72 | 71 | 74 | 73 | 75 | 71 | 73 | 73 | 75 |
| | | | | | | | | | | | 2013 | 2014 | | | | | |
| | | | | | | | | | | | Min | Max | Min | Max | | | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK9 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.
- 2) Predicted Noise Levels are referred to NSR Arch4 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.
- 3) Since the NSR is located out of the 300m assessment area of the construction works of "Proposed Road Improvement Works in West Kowloon Reclamation" project, the cumulative noise impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: HT3 (The Harbourside Tower 3)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|------|----|-------------|------------|-------------|------------|----|--|--|--|--|--|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | | | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 571 | -63 | 3 | 42 | | | 42 | 42 | 42 | 42 | | | | | | | | | | | |
| Activity 2 - Bored Piling | 108 | 571 | -63 | 3 | 48 | | | | | | | 48 | 48 | 48 | | | | | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 92 | -47 | 3 | 60 | | | | | | | 60 | 60 | 60 | | | | | | | | |
| Zone 2.2 | 104 | 130 | -50 | 3 | 57 | | | | | | | 57 | 57 | 57 | | | | | | | | |
| Zone 2.3 | 104 | 292 | -57 | 3 | 50 | | | | | | | 50 | 50 | 50 | | | | | | | | |
| Zone 2.4 | 104 | 238 | -56 | 3 | 52 | | | | | | | 52 | 52 | 52 | | | | | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 92 | -47 | 3 | 67 | | | | | | | | | | | 67 | | | | | | |
| Zone 2.2 | 112 | 130 | -50 | 3 | 64 | | | | | | | | | | | 64 | | | | | | |
| Zone 2.3 | 112 | 292 | -57 | 3 | 57 | | | | | | | | | | | 57 | | | | | | |
| Zone 2.4 | 112 | 238 | -56 | 3 | 59 | | | | | | | | | | | 59 | | | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 189 | -54 | 3 | 57 | | | | | | | | | | | 57 | | | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | | | | | | |
| 5) ICC Footbridge | 106 | 125 | -50 | 3 | 59 | | | 59 | 59 | 59 | 59 | 59 | 59 | 59 | | | | | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | | | | | | |
| 7) Barging Point (BP) | 109 | 554 | -63 | 3 | 49 | | | | | | | | | | | 49 | | | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 302 | -58 | 3 | 55 | | | 55 | 55 | 55 | 55 | 55 | 55 | 55 | | | | | | | | |
| BP5 | 110 | 312 | -58 | 3 | 55 | | | 55 | 55 | 55 | 55 | 55 | 55 | 55 | | | | | | | | |
| BP6 | 110 | 461 | -61 | 3 | 52 | | | 52 | 52 | 52 | 52 | 52 | 52 | 52 | | | | | | | | |
| BP7 | 110 | 576 | -63 | 3 | 50 | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| 9) South Pier (Optional) | 112 | 327 | -58 | 3 | 56 | | | 56 | 56 | 56 | 56 | 56 | 56 | 56 | | | | | | | | |
| 10) Viewing Platform (Optional) | 108 | 412 | -60 | 3 | 51 | | | 51 | 51 | 51 | 51 | 51 | 51 | 51 | | | | | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 64 | 64 | 64 | 66 | 66 | 72 | 64 | 64 | 66 | 72 | | | | | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 65 | 65 | 63 | 65 | 63 | 63 | | | | | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 68 | 68 | 68 | 68 | 68 | 68 | | | | | | | | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 71 | 71 | 70 | 71 | 71 | 74 | 70 | 71 | 71 | 74 | | | | | |
| | | | | | | | | | | | | | 2013 | | 2014 | | | | | | | |
| | | | | | | | | | | | | | Min | Max | Min | Max | | | | | | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK10 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.
- 2) Predicted Noise Levels are referred to NSR HARB2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.
- 3) Since the NSR is located out of the 300m assessment area of the construction works of "Proposed Road Improvement Works in West Kowloon Reclamation" project, the cumulative noise impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: AST (The Arch - Sun Tower)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|------|----|-------------|------------|-------------|------------|----|--|--|--|--|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 392 | -60 | 3 | 45 | | | 45 | 45 | 45 | 45 | | | | | | | | | | |
| Activity 2 - Bored Piling | 108 | 392 | -60 | 3 | 51 | | | | | | | 51 | 51 | 51 | | | | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 130 | -50 | 3 | 57 | | | | | | | 57 | 57 | 57 | | | | | | | |
| Zone 2.2 | 104 | 72 | -45 | 3 | 62 | | | | | | | 62 | 62 | 62 | | | | | | | |
| Zone 2.3 | 104 | 169 | -53 | 3 | 55 | | | | | | | 55 | 55 | 55 | | | | | | | |
| Zone 2.4 | 104 | 302 | -58 | 3 | 50 | | | | | | | 50 | 50 | 50 | | | | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 130 | -50 | 3 | 64 | | | | | | | | | | 64 | | | | | | |
| Zone 2.2 | 112 | 72 | -45 | 3 | 69 | | | | | | | | | | 69 | | | | | | |
| Zone 2.3 | 112 | 169 | -53 | 3 | 62 | | | | | | | | | | 62 | | | | | | |
| Zone 2.4 | 112 | 302 | -58 | 3 | 57 | | | | | | | | | | 57 | | | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 362 | -59 | 3 | 51 | | | | | | | | | | 51 | | | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | | | | | |
| ICC Footbridge | 106 | 299 | -58 | 3 | 51 | | | 51 | 51 | 51 | 51 | 51 | 51 | 51 | | | | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | | | | | |
| Barging Point (BP) | 109 | 377 | -60 | 3 | 52 | | | | | | | | | | 52 | | | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 357 | -59 | 3 | 54 | | | 54 | 54 | 54 | 54 | 54 | 54 | 54 | | | | | | | |
| BP5 | 110 | 387 | -60 | 3 | 53 | | | 53 | 53 | 53 | 53 | 53 | 53 | 53 | | | | | | | |
| BP6 | 110 | 576 | -63 | 3 | 50 | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | | | |
| BP7 | 110 | 691 | -65 | 3 | 48 | | | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | | | | | |
| West Pier | 112 | 936 | -67 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | | | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | | | | | | | | | |
| South Pier | 112 | 397 | -60 | 3 | 55 | | | 55 | 55 | 55 | 55 | 55 | 55 | 55 | | | | | | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | | | | | | | | | |
| Viewing Platform | 108 | 297 | -57 | 3 | 54 | | | 54 | 54 | 54 | 54 | 54 | 54 | 54 | | | | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 61 | 61 | 61 | 66 | 66 | 73 | 61 | 61 | 66 | 73 | | | | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 74 | 73 | 69 | 74 | 71 | 69 | | | | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 69 | 69 | 69 | 69 | 69 | 69 | | | | | | | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 75 | 75 | 72 | 76 | 74 | 75 | 72 | 75 | 74 | 76 | | | | |
| | | | | | | | | | | | | | 2013 | | 2014 | | | | | | |
| | | | | | | | | | | | | | Min | Max | Min | Max | | | | | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK14 in Appendix 5.8 of approved EIA of Express Rail Link (AEIAR-143/2009). Delaying of 6 months of WKT construction programme in VEP have been included in predicted noise level.
- 2) Predicted Noise Levels are referred to NSR Arch2b in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.
- 3) Since the NSR is located out of the 300m assessment area of the construction works of "Proposed Road Improvement Works in West Kowloon Reclamation" project, the cumulative noise impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: WOB (Wai On Building)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|------|----|----|-----|-----|-----|-----|--|--|--|--|--|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | | | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 95 | -48 | 3 | 57 | | | 57 | 57 | 57 | 57 | | | | | | | | | | | |
| Activity 2 - Bored Piling | 108 | 95 | -48 | 3 | 63 | | | | | | | 63 | 63 | 63 | | | | | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 640 | -64 | 3 | 43 | | | | | | | | 43 | 43 | 43 | | | | | | | |
| Zone 2.2 | 104 | 465 | -61 | 3 | 46 | | | | | | | | 46 | 46 | 46 | | | | | | | |
| Zone 2.3 | 104 | 740 | -65 | 3 | 42 | | | | | | | | 42 | 42 | 42 | | | | | | | |
| Zone 2.4 | 104 | 500 | -62 | 3 | 45 | | | | | | | | 45 | 45 | 45 | | | | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 640 | -64 | 3 | 50 | | | | | | | | | | | 50 | | | | | | |
| Zone 2.2 | 112 | 465 | -61 | 3 | 53 | | | | | | | | | | | 53 | | | | | | |
| Zone 2.3 | 112 | 740 | -65 | 3 | 49 | | | | | | | | | | | 49 | | | | | | |
| Zone 2.4 | 112 | 500 | -62 | 3 | 53 | | | | | | | | | | | 53 | | | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 905 | -67 | 3 | 43 | | | | | | | | | | | 43 | | | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 1107 | -69 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 5) ICC Footbridge | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 106 | 840 | -66 | 3 | 42 | | | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 215 | -55 | 3 | 57 | | | | | | | | 57 | 57 | 57 | 57 | | | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 805 | -66 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | | | |
| BP5 | 110 | 850 | -67 | 3 | 46 | | | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | | | | | | |
| BP6 | 110 | 1060 | -69 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | | | |
| BP7 | 110 | 1160 | -69 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 1475 | -71 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 845 | -67 | 3 | 48 | | | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 108 | 508 | -62 | 3 | 49 | | | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | | | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 60 | 60 | 60 | 66 | 65 | 66 | 60 | 60 | 65 | 66 | | | | | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 66 | 63 | 60 | 66 | 58 | 56 | | | | | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 64 | 64 | 64 | 64 | 64 | 64 | | | | | | | | | |
| Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ | | | | | | | | | | | | 46 | 63 | Min | Max | Min | Max | | | | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 69 | 67 | 66 | 70 | 68 | 69 | 66 | 69 | 68 | 70 | | | | | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK5 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Predicted Noise Levels are referred to NSR WN in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009).
- 3) Predicted Noise Levels are referred to NSR WOB in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: VT1 (The Victoria Towers - Tower 1)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|------|----|----|------|------|-----|-----|-----|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 70 | -45 | 3 | 60 | | | 60 | 60 | 60 | 60 | | | | | | | |
| Activity 2 - Bored Piling | 108 | 70 | -45 | 3 | 66 | | | | | | | 66 | 66 | 66 | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 626 | -64 | 3 | 43 | | | | | | | 43 | 43 | 43 | | | | |
| Zone 2.2 | 104 | 462 | -61 | 3 | 46 | | | | | | | 46 | 46 | 46 | | | | |
| Zone 2.3 | 104 | 462 | -61 | 3 | 46 | | | | | | | 46 | 46 | 46 | | | | |
| Zone 2.4 | 104 | 691 | -65 | 3 | 43 | | | | | | | 43 | 43 | 43 | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 626 | -64 | 3 | 51 | | | | | | | | | 51 | | | | |
| Zone 2.2 | 112 | 462 | -61 | 3 | 53 | | | | | | | | | 53 | | | | |
| Zone 2.3 | 112 | 462 | -61 | 3 | 53 | | | | | | | | | 53 | | | | |
| Zone 2.4 | 112 | 691 | -65 | 3 | 50 | | | | | | | | | 50 | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 886 | -67 | 3 | 43 | | | | | | | | | 43 | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 1042 | -68 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | |
| 5) ICC Footbridge | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 106 | 827 | -66 | 3 | 42 | | | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 158 | -52 | 3 | 60 | | | | | | | 60 | 60 | 60 | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 751 | -66 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | |
| BP5 | 110 | 799 | -66 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | |
| BP6 | 110 | 1001 | -68 | 3 | 45 | | | 45 | 45 | 45 | 45 | 45 | 45 | 45 | | | | |
| BP7 | 110 | 1093 | -69 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 1451 | -71 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 786 | -66 | 3 | 49 | | | 49 | 49 | 49 | 49 | 49 | 49 | 49 | | | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 108 | 422 | -61 | 3 | 51 | | | 51 | 51 | 51 | 51 | 51 | 51 | 51 | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 62 | 62 | 62 | 68 | 67 | 68 | 62 | 62 | 67 | 68 | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 68 | 65 | 64 | 67 | 61 | 59 | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 60 | 60 | 60 | 60 | 60 | 60 | 2013 | 2014 | | | |
| Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ | | | | | | | | | | | | | 42 | 59 | Min | Max | Min | Max |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 69 | 67 | 67 | 71 | 69 | 69 | 67 | 69 | 69 | 71 | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK6 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.
- 3) Predicted Noise Levels are referred to NSR VT1 in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: VT2 (The Victoria Towers - Tower 2)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|------|----|----|-----|-----|-----|-----|----|--|--|--|--|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | | | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 74 | -45 | 3 | 60 | | | 60 | 60 | 60 | 60 | | | | | | | | | | | |
| Activity 2 - Bored Piling | 108 | 74 | -45 | 3 | 66 | | | | | | | 66 | 66 | 66 | | | | | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 641 | -64 | 3 | 43 | | | | | | | | 43 | 43 | 43 | | | | | | | |
| Zone 2.2 | 104 | 482 | -62 | 3 | 46 | | | | | | | | 46 | 46 | 46 | | | | | | | |
| Zone 2.3 | 104 | 487 | -62 | 3 | 46 | | | | | | | | 46 | 46 | 46 | | | | | | | |
| Zone 2.4 | 104 | 716 | -65 | 3 | 42 | | | | | | | | 42 | 42 | 42 | | | | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 641 | -64 | 3 | 50 | | | | | | | | | | | 50 | | | | | | |
| Zone 2.2 | 112 | 482 | -62 | 3 | 53 | | | | | | | | | | | 53 | | | | | | |
| Zone 2.3 | 112 | 487 | -62 | 3 | 53 | | | | | | | | | | | 53 | | | | | | |
| Zone 2.4 | 112 | 716 | -65 | 3 | 50 | | | | | | | | | | | 50 | | | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 901 | -67 | 3 | 43 | | | | | | | | | | | 43 | | | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 1068 | -69 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 5) ICC Footbridge | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 106 | 846 | -67 | 3 | 42 | | | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 183 | -53 | 3 | 58 | | | | | | | | 58 | 58 | 58 | 58 | | | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 781 | -66 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | | | |
| BP5 | 110 | 831 | -66 | 3 | 46 | | | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | | | | | | |
| BP6 | 110 | 1036 | -68 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | | | |
| BP7 | 110 | 1131 | -69 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 1471 | -71 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 816 | -66 | 3 | 48 | | | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 108 | 462 | -61 | 3 | 50 | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 61 | 61 | 61 | 68 | 67 | 67 | 67 | 61 | 61 | 67 | 68 | | | | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 68 | 65 | 64 | 67 | 61 | 59 | | | | | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | | | | |
| Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ | | | | | | | | | | | | 43 | 58 | Min | Max | Min | Max | | | | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 69 | 67 | 67 | 71 | 69 | 69 | 67 | 69 | 69 | 69 | 71 | | | | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK6 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.
- 3) Predicted Noise Levels are referred to NSR VT2 in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: LCS (Lai Chack Middle School)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|------|----|----|----|----|-----|-----|-----|-----|--|--|--|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | | | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 75 | -46 | 3 | 59 | | | 59 | 59 | 59 | 59 | | | | | | | | | | | |
| Activity 2 - Bored Piling | 108 | 75 | -46 | 3 | 65 | | | | | | | 65 | 65 | 65 | | | | | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 640 | -64 | 3 | 43 | | | | | | | | 43 | 43 | 43 | | | | | | | |
| Zone 2.2 | 104 | 475 | -62 | 3 | 46 | | | | | | | | 46 | 46 | 46 | | | | | | | |
| Zone 2.3 | 104 | 465 | -61 | 3 | 46 | | | | | | | | 46 | 46 | 46 | | | | | | | |
| Zone 2.4 | 104 | 685 | -65 | 3 | 43 | | | | | | | | 43 | 43 | 43 | | | | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 640 | -64 | 3 | 50 | | | | | | | | | | | 50 | | | | | | |
| Zone 2.2 | 112 | 475 | -62 | 3 | 53 | | | | | | | | | | | 53 | | | | | | |
| Zone 2.3 | 112 | 465 | -61 | 3 | 53 | | | | | | | | | | | 53 | | | | | | |
| Zone 2.4 | 112 | 685 | -65 | 3 | 50 | | | | | | | | | | | 50 | | | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 900 | -67 | 3 | 43 | | | | | | | | | | | 43 | | | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 1046 | -68 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | | | |
| 5) ICC Footbridge | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 106 | 843 | -67 | 3 | 42 | | | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 160 | -52 | 3 | 60 | | | | | | | | | | | 60 | | | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 750 | -66 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | | | |
| BP5 | 110 | 795 | -66 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | | | |
| BP6 | 110 | 993 | -68 | 3 | 45 | | | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | | | | | | |
| BP7 | 110 | 1083 | -69 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 1455 | -71 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 780 | -66 | 3 | 49 | | | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | | | | | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 108 | 398 | -60 | 3 | 51 | | | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | | | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 61 | 61 | 61 | 68 | 67 | 68 | 68 | 61 | 61 | 67 | 68 | | | | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 67 | 62 | 62 | 66 | 60 | 58 | | | | | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | | | | |
| Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ | | | | | | | | | | | | | | 41 | 62 | Min | Max | Min | Max | | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 69 | 66 | 66 | 70 | 68 | 69 | 66 | 69 | 68 | 70 | | | | | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK7 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.
- 3) Predicted Noise Levels are referred to NSR LCS in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: CRGPS (Canton Road Government Primary School)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|------|----|----|-----|-----|-----|-----|--|--|--|--|--|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | | | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 90 | -47 | 3 | 58 | | | 58 | 58 | 58 | 58 | | | | | | | | | | | |
| Activity 2 - Bored Piling | 108 | 90 | -47 | 3 | 64 | | | | | | | 64 | 64 | 64 | | | | | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 645 | -64 | 3 | 43 | | | | | | | | 43 | 43 | 43 | | | | | | | |
| Zone 2.2 | 104 | 480 | -62 | 3 | 46 | | | | | | | | 46 | 46 | 46 | | | | | | | |
| Zone 2.3 | 104 | 470 | -61 | 3 | 46 | | | | | | | | 46 | 46 | 46 | | | | | | | |
| Zone 2.4 | 104 | 685 | -65 | 3 | 43 | | | | | | | | 43 | 43 | 43 | | | | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 645 | -64 | 3 | 50 | | | | | | | | | | | 50 | | | | | | |
| Zone 2.2 | 112 | 480 | -62 | 3 | 53 | | | | | | | | | | | 53 | | | | | | |
| Zone 2.3 | 112 | 470 | -61 | 3 | 53 | | | | | | | | | | | 53 | | | | | | |
| Zone 2.4 | 112 | 685 | -65 | 3 | 50 | | | | | | | | | | | 50 | | | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 905 | -67 | 3 | 43 | | | | | | | | | | | 43 | | | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 1065 | -69 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 5) ICC Footbridge | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 106 | 847 | -67 | 3 | 42 | | | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 109 | 170 | -53 | 3 | 59 | | | | | | | | 59 | 59 | 59 | 59 | | | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 745 | -65 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | | | |
| BP5 | 110 | 795 | -66 | 3 | 47 | | | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | | | | | |
| BP6 | 110 | 993 | -68 | 3 | 45 | | | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | | | | | | |
| BP7 | 110 | 1080 | -69 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 1455 | -71 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 112 | 775 | -66 | 3 | 49 | | | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | | | | | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 108 | 400 | -60 | 3 | 51 | | | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | | | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 60 | 60 | 60 | 66 | 66 | 66 | 66 | 66 | 66 | | | | | | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 67 | 62 | 62 | 66 | 60 | 58 | | | | | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | |
| Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ | | | | | | | | | | | | 41 | 60 | Min | Max | Min | Max | | | | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 68 | 66 | 66 | 70 | 68 | 68 | 66 | 68 | 68 | 70 | | | | | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK7 in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.
- 3) Predicted Noise Levels are referred to NSR CGPS in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: FQ (Fire Services Department Staff Quarter)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | | | 2014 | | | | | | | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|---|----|----|----|------|----|----|----|-----|-----|----|--|--|--|--|
| | | | | | | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | | | | | | | | |
| 1) Zone 1 | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 54 | -43 | 3 | 62 | | | 62 | 62 | 62 | 62 | | | | | | | | | | |
| Activity 2 - Bored Piling | 108 | 54 | -43 | 3 | 68 | | | | | | | 68 | 68 | 68 | | | | | | | |
| 2) Zone 2 | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 540 | -63 | 3 | 45 | | | | | | | | 45 | 45 | 45 | | | | | | |
| Zone 2.2 | 104 | 371 | -59 | 3 | 48 | | | | | | | | 48 | 48 | 48 | | | | | | |
| Zone 2.3 | 104 | 366 | -59 | 3 | 48 | | | | | | | | 48 | 48 | 48 | | | | | | |
| Zone 2.4 | 104 | 580 | -63 | 3 | 44 | | | | | | | | 44 | 44 | 44 | | | | | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 587 | -63 | 3 | 51 | | | | | | | | | | | 51 | | | | | |
| Zone 2.2 | 112 | 419 | -60 | 3 | 54 | | | | | | | | | | | 54 | | | | | |
| Zone 2.3 | 112 | 422 | -61 | 3 | 54 | | | | | | | | | | | 54 | | | | | |
| Zone 2.4 | 112 | 614 | -64 | 3 | 51 | | | | | | | | | | | 51 | | | | | |
| 3) Zone 3 | | | | | | | | | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 795 | -66 | 3 | 44 | | | | | | | | | | | 44 | | | | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | | | | | | | | | |
| ICC Footbridge | 106 | 744 | -65 | 3 | 43 | | | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | | | | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | | | | | | | | | |
| Barging Point (BP) | 109 | 68 | -45 | 3 | 67 | | | | | | | | 67 | 67 | 67 | | | | | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | | | | | | | | | |
| BP4 | 110 | 650 | -64 | 3 | 49 | | | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | | | | | | |
| BP5 | 110 | 695 | -65 | 3 | 48 | | | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | | |
| BP6 | 110 | 900 | -67 | 3 | 46 | | | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | | | | | | |
| BP7 | 110 | 985 | -68 | 3 | 45 | | | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | | | | | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | | | | | | | | | |
| South Pier (Optional) | 112 | 1350 | -71 | 3 | 44 | | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | | | | | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | | | | | | | | | |
| Viewing Platform (Optional) | 108 | 291 | -57 | 3 | 50 | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | | | | | | | | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | | 64 | 64 | 64 | 72 | 71 | 71 | 64 | 64 | 71 | 72 | | | | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | 74 | 72 | 72 | 73 | 70 | 69 | | | | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | | | |
| Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ | | | | | | | | | | | | | 41 | 62 | Min | Max | | | | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | | 75 | 73 | 73 | 75 | 74 | 74 | 73 | 75 | 74 | 75 | | | | |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Predicted Noise Levels are referred to NSR WK7a in Appendix G of Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility.
- 2) Predicted Noise Levels are referred to NSR VT2 in Appendix 3.13 of approved EIA of Road Works at West Kowloon (AEIAR-141/2009) for conservative approach.
- 3) Predicted Noise Levels are referred to NSR LCS in Appendix 2.4 of Preliminary Environmental Review Report - Scheme Q of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.

Mitigated Construction Noise Impact

NSR: CUL (The Cullirian I)

| Construction Programme with Predicted Noise Level (dB, (A)) | Total SWL, dB (A) | Distance (m) | Distance Correction, dB (A) | Facade Correction, dB(A) | Calculated SPL, dB(A) | 2013 | | | 2014 | | | | |
|---|-------------------|--------------|-----------------------------|--------------------------|-----------------------|------|----|----|------|-------------|------------|-------------|------------|
| | | | | | | 10 | 11 | 12 | 1 | 2 | 3 | | |
| 1) Zone 1 | | | | | | | | | | | | | |
| Activity 1 - D Walling | 102 | 676 | -65 | 3 | 40 | | 40 | 40 | 40 | | | | |
| Activity 2 - Bored Piling | 108 | 675 | -65 | 3 | 46 | | | | | 46 | 46 | | |
| 2) Zone 2 | | | | | | | | | | | | | |
| Activity 1 - D Walling | | | | | | | | | | | | | |
| Zone 2.1 | 104 | 337 | -59 | 3 | 49 | | | | | 49 | 49 | | |
| Zone 2.2 | 104 | 337 | -59 | 3 | 49 | | | | | 49 | 49 | | |
| Zone 2.3 | 104 | 511 | -62 | 3 | 45 | | | | | 45 | 45 | | |
| Zone 2.4 | 104 | 476 | -62 | 3 | 46 | | | | | 46 | 46 | | |
| Activity 2 - Bored Piling | | | | | | | | | | | | | |
| Zone 2.1 | 112 | 336 | -59 | 3 | 56 | | | | | | 56 | | |
| Zone 2.2 | 112 | 336 | -59 | 3 | 56 | | | | | | 56 | | |
| Zone 2.3 | 112 | 510 | -62 | 3 | 52 | | | | | | 52 | | |
| Zone 2.4 | 112 | 475 | -62 | 3 | 53 | | | | | | 53 | | |
| 3) Zone 3 | | | | | | | | | | | | | |
| Activity 1 - D Walling | 107 | 347 | -59 | 3 | 52 | | | | | | 52 | | |
| 4) Park Construction - Zone A | | | | | | | | | | | | | |
| | 109 | 675 | -65 | 3 | 47 | | 47 | 47 | 47 | 47 | 47 | | |
| 5) ICC Footbridge | | | | | | | | | | | | | |
| | 106 | 272 | -57 | 3 | 52 | | 52 | 52 | 52 | 52 | 52 | | |
| 6) East Concrete Batching Plant (Operation) | | | | | | | | | | | | | |
| | 109 | 703 | -65 | 3 | 47 | | | | | 47 | 47 | | |
| 7) Barging Point (BP) | | | | | | | | | | | | | |
| BP4 | 110 | 451 | -61 | 3 | 52 | | 52 | 52 | 52 | 52 | 52 | | |
| BP5 | 110 | 461 | -61 | 3 | 52 | | 52 | 52 | 52 | 52 | 52 | | |
| BP6 | 110 | 611 | -64 | 3 | 49 | | 49 | 49 | 49 | 49 | 49 | | |
| BP7 | 110 | 726 | -65 | 3 | 48 | | 48 | 48 | 48 | 48 | 48 | | |
| 8) West Pier (Optional) | | | | | | | | | | | | | |
| | 112 | 826 | -66 | 3 | 48 | | 48 | 48 | 48 | 48 | 48 | | |
| 9) South Pier (Optional) | | | | | | | | | | | | | |
| | 112 | 476 | -62 | 3 | 53 | | 53 | 53 | 53 | 53 | 53 | | |
| 10) Viewing Platform (Optional) | | | | | | | | | | | | | |
| | 108 | 561 | -63 | 3 | 48 | | 48 | 48 | 48 | 48 | 48 | | |
| Predicted Noise Level of this Project, dB (A) | | | | | | | 60 | 60 | 60 | 61 | 61 | | |
| Predicted Noise Level of Express Rail Link, dB(A)¹ | | | | | | | | | | | | | |
| Predicted Noise Level of Road Works at West Kowloon, dB(A)² | | | | | | | | | | | | | |
| Predicted Noise Level of Road Improvement Works in West Kowloon Reclamation, dB(A)³ | | | | | | | | | | 72 | 72 | | |
| Overall Cumulative Noise Level, dB(A) | | | | | | | 60 | 60 | 60 | 61 | 72 | | |
| | | | | | | | | | | 2013 | | 2014 | |
| | | | | | | | | | | Min | Max | Min | Max |
| | | | | | | | | | | 60 | 60 | 61 | 64 |

Note: **Bold** figure in shaded box denotes exceedance of relevant construction noise criteria

- 1) Since the NSR is located 270m apart from the site boundary and no direct line of sight of the construction works of "Express Rail Link" project, the cumulative noise impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
- 2) Since the NSR is located 270m apart from the site boundary and no direct line of sight of the construction works of "Road Works at West Kowloon" project, the cumulative noise impact is predicted to be low and has insignificant contribution to the NSR, therefore, cumulative noise impact is not taken into account at this NSR.
- 3) Predicted Noise Levels are referred to NSR SRT in Appendix 2.4 of Preliminary Environmental Review Report - Scheme H, I & J of Proposed Road Improvement Works in West Kowloon Reclamation for conservative approach. Delaying of 6 months of construction programme based on latest information have been included in predicted noise level.
- 4) Distances between NSR and the activities are different in same zone since worst case scenario of their notional point have been adopted.
- 5) Phase 1 Concrete Batching Plant in Environmental Review for Proposed West Kowloon Terminus Concrete Batching Facility will be handed over to WKCD starting from the year of 2014. Since the operation of concreting batching plants before 2014 and the operation and demolition of phase 2 concreting batching plant have already been included in the noise impact assessment of the XRL project, separate noise impact assessment will only be calculated after handing over the phase 1 concrete batching plant to WKCD starting from the year of 2014.