

Project : SCL - Tai Wai to Hung Hom Section

Title : Construction Noise Calculation
Scenario : Mitigated Scenario
Subtitle : Chatham Road North + HUH Station + HOM Station

Activities timeline table showing months from Jan 2011 to Dec 2016 for various work sites (S1-S7) and their associated noise levels.

Summary of SWLs table providing noise level data for each work site (S1-S7) across all months from 2011 to 2016.

Predicted Construction Noise, dB(A) table for HCM Station, listing noise levels for various HUH locations (HUH-1-1 to HUH-8-1) from 2011 to 2016.

Predicted Construction Noise, dB(A) table for HCM Station, listing noise levels for various HUH locations (HUH-1-1 to HUH-8-1) from 2011 to 2016.

Predicted Construction Noise, dB(A) table for HUH Station, listing noise levels for various HUH locations (HUH-1-1 to HUH-8-1) from 2011 to 2016.

Predicted Construction Noise, dB(A) table for HUH Station, listing noise levels for various HUH locations (HUH-1-1 to HUH-8-1) from 2011 to 2016.

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| Activities | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | |
|--|------|-----|-------|-----|-----|------|------|-----|------|-----|-----|-----|------|-----|-------|-----|-----|------|------|-----|------|-----|-----|-----|
| | Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
| Worksite S1 Concrete Structure EWL and Concrete Structure EWL (existing culvert loc) | | | | | | | | | | | | | | | | | | | | | | | | |
| Worksite S2 Concrete Structures EWL | | | | | | | | | | | | | | | | | | | | | | | | |
| Worksite S3a Temporary Cofferdam EWL Excavation & Shoring EWL Concrete Structures EWL | | | | | | | | | | | | | | | | | | | | | | | | |
| Worksite S3b Stage 1 Across Rd Cofferdam Construction Excavation Structure EWL (Winslow St) - Stage 1 Stage 2 Across Rd Cofferdam Construction Stage 3 Across Rd Cofferdam Construction Excavation Structure EWL (Winslow St) - Stage 3 Reinstate Winslow St Traffic Diversion works (Winslow St) | | | | | | | | | | | | | | | | | | | | | | | | |
| Worksite S4a Site Clearance and Hoarding and Utility diversion Temp CHRN Foundation Deck for TB1 Existing Bridge Deck Removal Construction of new western abutment Bridge Reinstatement Demolish Temp CHRN Demolish Existing OB2 abutment | | | | | | | | | | | | | | | | | | | | | | | | |
| Worksite S4b Temporary Cofferdam EWL Excavation & strutting to EWL formation Concrete Structures EWL Re-align Slip road OB2A Divert Slip road Winslow St. underpass | | | | | | | | | | | | | | | | | | | | | | | | |
| Worksite S5 Temporary Cofferdam EWL before Temp CHRN diversion Excavation & strutting to EWL formation Concrete Structures EWL Temporary Cofferdam EWL (after slip rd re-instate) Excavation & strutting EWL (after slip rd re-instate) Concrete Structures EWL (after slip rd re-instate) Backfill EWL (after slip rd re-instate) | | | | | | | | | | | | | | | | | | | | | | | | |
| Worksite S7 Sump pit Structure EWL Structure | | | | | | | | | | | | | | | | | | | | | | | | |

Note: S6 is not included in this assessment

| Summary of SWLs | Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|-----------------|-----|-----|-------|-----|-----|------|------|-----|------|-----|-----|-----|-----|-----|-------|-----|-----|------|------|-----|------|-----|-----|-----|
| Worksite S1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Worksite S2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Worksite S3a | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Worksite S3b | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Worksite S4a | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Worksite S4b | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Worksite S5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Worksite S7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Predicted Construction Noise, dB(A) | Max | Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|-------------------------------------|-----|-----|-----|-------|-----|-----|------|------|-----|------|-----|-----|-----|
| HCM-S-1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-1 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-2 | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-3 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-10-1 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-4-1 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-3-1 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-4-2 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-8-1 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Sound Pressure Level from Chatham Road North Only

| Predicted Construction Noise, dB(A) | Max | Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|-------------------------------------|-----|-----|-----|-------|-----|-----|------|------|-----|------|-----|-----|-----|
| HCM-S-1 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-1 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-2 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-3 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-10-1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-4-1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-3-1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-4-2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-8-1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Sound Pressure Level from HCM Station only (from KTE EIA)

| Predicted Construction Noise, dB(A) | Max | Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|-------------------------------------|-----|-----|-----|-------|-----|-----|------|------|-----|------|-----|-----|-----|
| HCM-S-1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-3 | 67 | 60 | 58 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-10-1 | 73 | 67 | 67 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| HUH-4-1 | 73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-3-1 | 73 | 64 | 62 | 61 | 61 | 61 | 61 | 57 | 60 | 60 | 60 | 58 | 58 |
| HUH-4-2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-8-1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Sound Pressure Level from HUH Station Only

| Predicted Construction Noise, dB(A) | Max | Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|-------------------------------------|-----|-----|-----|-------|-----|-----|------|------|-----|------|-----|-----|-----|
| HCM-S-1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-1 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-2 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-1-3 | 78 | 60 | 58 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-10-1 | 73 | 67 | 67 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| HUH-4-1 | 73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-3-1 | 73 | 64 | 62 | 61 | 61 | 61 | 61 | 57 | 60 | 60 | 60 | 58 | 58 |
| HUH-4-2 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HUH-8-1 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Sound Pressure Level from Chatham Road + HUH Station + HCM Station Construction