ANAS S.p.A.

Commissario Governativo Delegato
OPCM n. 3869 del 23 aprile 2010
OPCM n. 3895 del 20/8/2010

REGIONE SARDEGNA

**O.P.C.M. n. 3869 del 23/04/2010.** Disposizioni urgenti di protezione civile per fronteggiare l'emergenza determinatasi nel settore del traffico e della mobilità nelle province di Sassari ed Olbia- Tempio, in relazione alla strada statale Sassari - Olbia

**SOGGETTO ATTUATORE ANAS S.p.A.**

# ADEGUAMENTO AL TIPO B (4 CORSIE) DELL'ITINERARIO SASSARI-OLBIA
# REITERAZIONE DEL PROCEDIMENTO DI VIA LOTTI DA 0 A 9

## PROGETTO ESECUTIVO

IMPRESA

TANCA ALESSANDRO

Firmato digitalmente da TANCA ALESSANDRO
Data: 2022.09.02 20:23:16 +02'00'

TITOLO ELABORATO

# 5 - QUADRO DI RIFERIMENTO AMBIENTALE

## 5.6 - Quadro Riferimento Ambientale: rumore e vibrazioni

### 5.6.2 - Appendici

### 5.6.2.5 - Appendice 5 - Tabulati di calcolo Mithra

| CODICE PROGETTO | CODICE ELABORATO |
|---|---|
| DPCA03 E 2101 | T00IA15AMBCT05_A |

| COMMESSA: | DATA: | SCALA: | NOME FILE: |
|---|---|---|---|
| A038 | 12/2021 | | T00IA15AMBCT05_A.dwg |

| IL PROGETTISTA | IL RESPONSABILE DEL PROCEDIMENTO per il Lotto 4 | IL RESPONSABILE DEL PROCEDIMENTO per i Lotti 0,1,2,3,5,6,7,8,9 |
|---|---|---|
| ORDINE INGEGNERI PROVINCIA CAGLIARI N. 4346 Dott. Ing. Alessandro TANCA | Firmato digitalmente da: FRANCESCO CORRIAS Data: 08/10/2023 22:08:35 | |
| ING. ALESSANDRO TANCA | ING. FRANCESCO CORRIAS | ING. FRANCESCO RUGGIERI |

| REV. | DATA | DESCRIZIONE | REDATTO | VERIFICATO | APPROVATO |
|---|---|---|---|---|---|
| A | 12/2021 | Emissione per consegna | A. Tanca | A. Tanca | A. Tanca |

# Presidenza del Consiglio dei Ministri

**Dipartimento di Protezione Civile**

Struttura di Missione - D.P.C.M. 15 Giugno 2007 O.P.C.M. 19 Marzo 2008

**REGIONE AUTONOMA DELLA SARDEGNA**
**Assessorato dei Lavori Pubblici**

| UFFICIO DEL COMMISSARIO DELEGATO | STRUTTURA DI MISSIONE |
|---|---|
| **Dott. Guido BERTOLASO** | **Dott. Ing. Raniero FABRIZI** |

REVISIONI

| N° | data | redatto | contr. | approv. | Motivo della revisione |
|---|---|---|---|---|---|
| 0 | 08/08/08 | Cardinali | Marchettini | Policicchio | Emissione |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |

PROG. N° B279.A.001

DIS. N°

DATA 21/11/2008

SCALA ---

# NUOVA STRADA TIPO B (4 CORSIE) SASSARI - OLBIA

(SVINCOLO S.S. 131 BIVIO PLOAGHE - S.S. 597 - S.S. 199)

# PROGETTO PRELIMINARE

## STUDIO D'IMPATTO AMBIENTALE

TITOLO :

## Vol. 9 Quadro Riferimento Ambientale
### Rumore e vibrazioni
### Appendice 5: tabulati di calcolo Mithra

**ALLEGATO**
N°

IL PROGETTISTA

A.T.I. :

C. LOTTI & ASSOCIATI
SOCIETA' DI INGEGNERIA S.p.A. – ROMA

STUDIO ASSOCIATO
Ing. F. COCCO / Ing. P.A. TROMBINO

# REGIONE AUTONOMA DELLA SARDEGNA
# ASSESSORATO AI LAVORI PUBBLICI - SERVIZIO VIABILITÀ

# PROGETTO PRELIMINARE DELLA NUOVA STRADA TIPO B (4 CORSIE) SASSARI – OLBIA (SVINCOLO S.S. 131 BIVIO PLOAGHE – S.S. 597 – S.S. 199)

# STUDIO D'IMPATTO AMBIENTALE
**AI SENSI DEL D. LGS. 152/06 COSÌ COME MODIFICATO IN BASE AL D.LGS 4/2008**

## VOL. 9

## QUADRO DI RIFERIMENTO AMBIENTALE

## RUMORE E VIBRAZIONI

**Appendice 5: Tabulati di calcolo Mithra**

| N° PROGETTO: **B279.A.001** | | | N° ALLEGATO: | | |
|---|---|---|---|---|---|
| 0 | 08/08/2008 | EMISSIONE | CARDINALI | MARCHETTINI | POLICICCHIO |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| ***revisione*** | ***data*** | ***descrizione*** | ***redatto*** | ***controllato*** | ***approvato*** |

**Tabulati con i risultati del modello di simulazione Mithra**

**Scenario post operam:**

- TRONCO 1
    - Km 1-2 diurno
    - Km 1-2 notturno
    - Km 3-4 diurno
    - Km 3-4 notturno
    - Km 8-10 diurno
    - Km 8-10 notturno
    - Km 12-13 diurno
    - Km 12-13 notturno
    - Km 14-15 diurno
    - Km 14-15 notturno
    - Km 19-20 diurno
    - Km 19-20 notturno
    - Cantiere Km 24 diurno
    - Cantiere Km 24 notturno

- TRONCO 2
    - Km 0-3 diurno
    - Km 0-3 notturno
    - *Km 0-3 notturno con mitigazione*
    - Km 8-11 diurno
    - Km 8-11 notturno
    - *Km 8-11 notturno con mitigazione*
    - Km 12,5-15 diurno
    - Km 12,5-15 notturno
    - *Km 12,5-15 notturno con mitigazione*
    - Km 16,5-19 diurno
    - Km 16,5-19 notturno
    - *Km 16,5-19 notturno con mitigazione*
    - Cantiere km 16,3 diurno
    - Cantiere km 16,3 notturno

- TRONCO 3
    - Km 0,5-2,5 diurno
    - Km 0,5-2,5 notturno
    - *Km 0,5-2,5 notturno con mitigazione*
    - Km 6-8 diurno
    - Km 6-8 notturno
    - *Km 6-8 notturno con mitigazione*
    - Km 9-14,5 diurno
    - Km 9-14,5 notturno
    - *Km 9-14,5 notturno con mitigazione*
    - Km 14,5-17 diurno
    - Km 14,5-17 notturno
    - Km 19-21 diurno
    - Km 19-21 notturno
    - Cantiere Km 15,3 diurno
    - Cantiere Km 15,3 notturno

**TRONCO 1 KM 1-2 DIURNO POST OPERAM**

CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 15-JUL-2008

Position : from (1477834.8m, 4498567.0m) to (1478867.0m, 4499195.5m)
Calculation parameters : mode CSTB.92, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 54.0 |
| 2 | Ground floor ( 1.8 m) | 53.7 |
| 3 | Ground floor ( 1.8 m) | 52.5 |
| 4 | Ground floor ( 1.8 m) | 53.9 |
| 5 | Ground floor ( 1.8 m) | 58.7 |
| 6 | Ground floor ( 1.8 m) | 58.9 |
| 7 | Ground floor ( 1.8 m) | 55.2 |
| 8 | Ground floor ( 1.8 m) | 65.1 |
| 9 | Ground floor ( 1.8 m) | 57.9 |
| | First floor ( 4.2 m) | 60.1 |
| 10 | Ground floor ( 1.8 m) | 60.3 |
| 11 | Ground floor ( 1.8 m) | 52.9 |
| 12 | Ground floor ( 1.8 m) | 55.6 |
| 13 | Ground floor ( 1.8 m) | 53.6 |
| | First floor ( 3.5 m) | 54.6 |
| 14 | Ground floor ( 1.8 m) | 51.8 |
| 15 | Ground floor ( 1.8 m) | 52.8 |

**TRONCO 1 KM 1-2 NOTTURNO POST OPERAM**

CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 15-JUL-2008

Position : from (1477840.6m, 4498568.0m) to (1478865.8m, 4499193.0m)
Calculation parameters : mode CSTB.92, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 45.9 |
| 2 | Ground floor ( 1.8 m) | 45.6 |
| 3 | Ground floor ( 1.8 m) | 44.4 |
| 4 | Ground floor ( 1.8 m) | 45.8 |
| 5 | Ground floor ( 1.8 m) | 50.6 |
| 6 | Ground floor ( 1.8 m) | 50.8 |
| 7 | Ground floor ( 1.8 m) | 47.0 |
| 8 | Ground floor ( 1.8 m) | 57.0 |
| 9 | Ground floor ( 1.8 m) | 49.8 |
| | First floor ( 4.2 m) | 52.0 |

| | | |
|---|---|---|
| 10 | Ground floor ( 1.8 m) | 52.2 |
| 11 | Ground floor ( 1.8 m) | 44.8 |
| 12 | Ground floor ( 1.8 m) | 47.5 |
| 13 | Ground floor ( 1.8 m) | 45.5 |
| | First floor ( 3.5 m) | 46.5 |
| 14 | Ground floor ( 1.8 m) | 43.7 |
| 15 | Ground floor ( 1.8 m) | 44.7 |

**TRONCO 1 KM 3-4 DIURNO POST OPERAM**

CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 29-JUL-2008

Position : from (1479775.8m, 4498451.5m) to (1480913.0m, 4499072.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 49.6 |
| 2 | Ground floor ( 1.8 m) | 61.1 |
| | First floor ( 3.9 m) | 61.5 |
| 3 | Ground floor ( 1.8 m) | 58.4 |
| 4 | Ground floor ( 1.8 m) | 59.9 |
| 5 | Ground floor ( 1.8 m) | 62.5 |
| 6 | Ground floor ( 1.8 m) | 60.2 |
| | First floor ( 3.8 m) | 60.5 |
| 7 | Ground floor ( 1.8 m) | 63.9 |
| 8 | Ground floor ( 1.8 m) | 64.9 |
| | First floor ( 3.5 m) | 66.0 |
| 9 | Ground floor ( 1.8 m) | 65.3 |
| 10 | Ground floor ( 1.8 m) | 60.0 |
| 11 | Ground floor ( 1.8 m) | 61.4 |
| 12 | Ground floor ( 1.8 m) | 57.5 |
| 13 | Ground floor ( 1.8 m) | 55.3 |
| | First floor ( 3.7 m) | 55.8 |
| 14 | Ground floor ( 1.8 m) | 50.9 |
| 15 | Ground floor ( 1.8 m) | 50.8 |
| | First floor ( 4.1 m) | 51.9 |

**TRONCO 1 KM 3-4 NOTTURNO POST OPERAM**

CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 29-JUL-2008

Position : from (1479781.8m, 4498459.0m) to (1480907.0m, 4499067.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|

| | | |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 41.5 |
| 2 | Ground floor ( 1.8 m) | 53.0 |
| | First floor ( 3.9 m) | 53.4 |
| 3 | Ground floor ( 1.8 m) | 50.3 |
| 4 | Ground floor ( 1.8 m) | 51.8 |
| 5 | Ground floor ( 1.8 m) | 54.4 |
| 6 | Ground floor ( 1.8 m) | 52.1 |
| | First floor ( 3.8 m) | 52.4 |
| 7 | Ground floor ( 1.8 m) | 55.8 |
| 8 | Ground floor ( 1.8 m) | 56.8 |
| | First floor ( 3.5 m) | 57.9 |
| 9 | Ground floor ( 1.8 m) | 57.2 |
| 10 | Ground floor ( 1.8 m) | 51.9 |
| 11 | Ground floor ( 1.8 m) | 53.2 |
| 12 | Ground floor ( 1.8 m) | 49.3 |
| 13 | Ground floor ( 1.8 m) | 47.2 |
| | First floor ( 3.7 m) | 47.7 |
| 14 | Ground floor ( 1.8 m) | 42.8 |
| 15 | Ground floor ( 1.8 m) | 42.7 |
| | First floor ( 4.1 m) | 43.8 |

**TRONCO 1 KM 8-10 DIURNO POST OPERAM**

CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 15-JUL-2008

Position : from (1484586.1m, 4497851.0m) to (1486814.6m, 4498529.5m)
Calculation parameters : mode CSTB.92, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 54.9 |
| 2 | Ground floor ( 1.8 m) | 54.5 |
| | First floor ( 3.7 m) | 57.1 |
| 3 | Ground floor ( 1.8 m) | 54.3 |
| | First floor ( 3.7 m) | 57.1 |
| 4 | Ground floor ( 1.8 m) | 60.3 |
| | First floor ( 3.8 m) | 62.2 |
| | Second floor ( 6.2 m) | 63.0 |
| 5 | Ground floor ( 1.8 m) | 67.9 |
| 6 | Ground floor ( 1.8 m) | 48.9 |
| | First floor ( 3.4 m) | 49.7 |
| 7 | Ground floor ( 1.8 m) | 48.5 |
| 8 | Ground floor ( 1.8 m) | 55.9 |
| | First floor ( 3.7 m) | 58.8 |
| 9 | Ground floor ( 1.8 m) | 58.1 |
| 10 | Ground floor ( 1.8 m) | 57.9 |
| | First floor ( 4.5 m) | 58.4 |
| 11 | Ground floor ( 1.8 m) | 60.1 |
| | First floor ( 4.0 m) | 61.1 |

| | | |
|---|---|---|
| 12 | Ground floor ( 1.8 m) | 50.4 |
| 13 | Ground floor ( 1.8 m) | 46.5 |
| | First floor ( 3.7 m) | 49.0 |
| | Second floor ( 5.9 m) | 52.1 |
| | 3th floor ( 8.1 m) | 54.5 |
| 14 | Ground floor ( 1.8 m) | 52.2 |
| 15 | Ground floor ( 1.8 m) | 51.1 |
| | First floor ( 4.0 m) | 52.2 |
| | Second floor ( 6.4 m) | 52.9 |
| 16 | Ground floor ( 1.8 m) | 56.1 |
| | First floor ( 3.6 m) | 57.7 |
| 17 | Ground floor ( 1.8 m) | 60.0 |
| 18 | Ground floor ( 1.8 m) | 60.1 |
| 19 | Ground floor ( 1.8 m) | 62.9 |
| | First floor ( 3.9 m) | 64.7 |
| 20 | Ground floor ( 1.8 m) | 59.5 |
| | First floor ( 4.6 m) | 61.7 |
| 21 | Ground floor ( 1.8 m) | 54.2 |
| | First floor ( 3.6 m) | 54.9 |
| 22 | Ground floor ( 1.8 m) | 55.1 |
| | First floor ( 3.9 m) | 57.0 |
| | Second floor ( 6.3 m) | 59.3 |
| 23 | Ground floor ( 1.8 m) | 48.9 |
| 24 | Ground floor ( 1.8 m) | 46.3 |

**TRONCO 1 KM 8-10 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 15-JUL-2008

Position : from (1484579.1m, 4497846.0m) to (1486819.3m, 4498541.0m)
Calculation parameters : mode CSTB.92, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 46.6 |
| 2 | Ground floor ( 1.8 m) | 46.3 |
| | First floor ( 3.7 m) | 48.9 |
| 3 | Ground floor ( 1.8 m) | 46.1 |
| | First floor ( 3.7 m) | 48.9 |
| 4 | Ground floor ( 1.8 m) | 52.1 |
| | First floor ( 3.8 m) | 54.0 |
| | Second floor ( 6.2 m) | 54.8 |
| 5 | Ground floor ( 1.8 m) | 59.7 |
| 6 | Ground floor ( 1.8 m) | 40.7 |
| | First floor ( 3.4 m) | 41.6 |
| 7 | Ground floor ( 1.8 m) | 40.4 |
| 8 | Ground floor ( 1.8 m) | 47.8 |
| | First floor ( 3.7 m) | 50.7 |
| 9 | Ground floor ( 1.8 m) | 50.0 |

| | | |
|---|---|---|
| 10 | Ground floor ( 1.8 m) | 49.7 |
| | First floor ( 4.5 m) | 50.2 |
| 11 | Ground floor ( 1.8 m) | 51.9 |
| | First floor ( 4.0 m) | 52.9 |
| 12 | Ground floor ( 1.8 m) | 42.2 |
| 13 | Ground floor ( 1.8 m) | 38.3 |
| | First floor ( 3.7 m) | 40.8 |
| | Second floor ( 5.9 m) | 43.8 |
| | 3th floor ( 8.1 m) | 46.3 |
| 14 | Ground floor ( 1.8 m) | 44.0 |
| 15 | Ground floor ( 1.8 m) | 42.9 |
| | First floor ( 4.0 m) | 44.0 |
| | Second floor ( 6.4 m) | 44.7 |
| 16 | Ground floor ( 1.8 m) | 48.0 |
| | First floor ( 3.6 m) | 49.6 |
| 17 | Ground floor ( 1.8 m) | 52.0 |
| 18 | Ground floor ( 1.8 m) | 52.0 |
| 19 | Ground floor ( 1.8 m) | 54.8 |
| | First floor ( 3.9 m) | 56.6 |
| 20 | Ground floor ( 1.8 m) | 51.4 |
| | First floor ( 4.6 m) | 53.6 |
| 21 | Ground floor ( 1.8 m) | 46.1 |
| | First floor ( 3.6 m) | 46.8 |
| 22 | Ground floor ( 1.8 m) | 47.0 |
| | First floor ( 3.9 m) | 48.9 |
| | Second floor ( 6.3 m) | 51.2 |
| 23 | Ground floor ( 1.8 m) | 40.8 |
| 24 | Ground floor ( 1.8 m) | 38.2 |

**TRONCO 1 KM 12-13 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 3-JAN-1980

Position : from (1488552.8m, 4497827.5m) to (1489761.4m, 4498566.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 58.3 |
| 2 | Ground floor ( 1.8 m) | 56.1 |
| | First floor ( 3.8 m) | 57.6 |
| 3 | Ground floor ( 1.8 m) | 59.7 |
| 4 | Ground floor ( 1.8 m) | 58.4 |
| | First floor ( 3.8 m) | 59.0 |
| | Second floor ( 6.0 m) | 59.3 |
| 5 | Ground floor ( 1.8 m) | 58.1 |
| 6 | Ground floor ( 1.8 m) | 57.4 |
| 7 | Ground floor ( 1.8 m) | 55.9 |
| | First floor ( 3.9 m) | 56.4 |

| | | |
|---|---|---|
| 8 | Ground floor ( 1.8 m) | 55.9 |
| 9 | Ground floor ( 1.8 m) | 54.6 |
| 10 | Ground floor ( 1.8 m) | 50.4 |
| | First floor ( 4.2 m) | 50.9 |
| | Second floor ( 6.8 m) | 51.0 |

**TRONCO 1 KM 12-13 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 3-JAN-1980

Position : from (1488557.9m, 4497832.5m) to (1489756.3m, 4498561.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 50.2 |
| 2 | Ground floor ( 1.8 m) | 48.0 |
| | First floor ( 3.8 m) | 49.5 |
| 3 | Ground floor ( 1.8 m) | 51.6 |
| 4 | Ground floor ( 1.8 m) | 50.3 |
| | First floor ( 3.8 m) | 50.9 |
| | Second floor ( 6.0 m) | 51.2 |
| 5 | Ground floor ( 1.8 m) | 50.0 |
| 6 | Ground floor ( 1.8 m) | 49.3 |
| 7 | Ground floor ( 1.8 m) | 47.8 |
| | First floor ( 3.9 m) | 48.3 |
| 8 | Ground floor ( 1.8 m) | 47.8 |
| 9 | Ground floor ( 1.8 m) | 46.5 |
| 10 | Ground floor ( 1.8 m) | 42.3 |
| | First floor ( 4.2 m) | 42.8 |
| | Second floor ( 6.8 m) | 42.9 |

**TRONCO 1 KM 14-15 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 3-JAN-1980

Position : from (1490558.5m, 4498012.0m) to (1491731.4m, 4498542.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 63.2 |
| 2 | Ground floor ( 1.8 m) | 54.3 |
| 3 | Ground floor ( 1.8 m) | 63.8 |
| 4 | Ground floor ( 1.8 m) | 59.3 |
| | First floor ( 3.7 m) | 62.0 |
| | Second floor ( 5.8 m) | 62.8 |

| | | |
|---|---|---|
| 5 | Ground floor ( 1.8 m) | 60.5 |
| | First floor ( 3.6 m) | 61.4 |
| 6 | Ground floor ( 1.8 m) | 61.1 |
| 7 | Ground floor ( 1.8 m) | 61.6 |
| 8 | Ground floor ( 1.8 m) | 54.6 |
| | First floor ( 3.6 m) | 55.0 |
| 9 | Ground floor ( 1.8 m) | 56.0 |
| 10 | Ground floor ( 1.8 m) | 61.8 |
| 11 | Ground floor ( 1.8 m) | 61.1 |
| 12 | Ground floor ( 1.8 m) | 58.8 |
| 13 | Ground floor ( 1.8 m) | 61.5 |
| 14 | Ground floor ( 1.8 m) | 61.0 |
| 15 | Ground floor ( 1.8 m) | 59.8 |
| 16 | Ground floor ( 1.8 m) | 59.2 |
| | First floor ( 3.9 m) | 59.6 |
| 17 | Ground floor ( 1.8 m) | 59.6 |
| 18 | Ground floor ( 1.8 m) | 58.4 |
| 19 | Ground floor ( 1.8 m) | 57.6 |
| 20 | Ground floor ( 1.8 m) | 59.1 |
| 21 | Ground floor ( 1.8 m) | 59.0 |
| | First floor ( 4.3 m) | 60.5 |

**TRONCO 1 KM 14-15 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 3-JAN-1980

Position : from (1490551.0m, 4498009.5m) to (1491735.1m, 4498553.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 55.1 |
| 2 | Ground floor ( 1.8 m) | 46.2 |
| 3 | Ground floor ( 1.8 m) | 55.7 |
| 4 | Ground floor ( 1.8 m) | 51.2 |
| | First floor ( 3.7 m) | 53.9 |
| | Second floor ( 5.8 m) | 54.7 |
| 5 | Ground floor ( 1.8 m) | 52.4 |
| | First floor ( 3.6 m) | 53.3 |
| 6 | Ground floor ( 1.8 m) | 53.0 |
| 7 | Ground floor ( 1.8 m) | 53.5 |
| 8 | Ground floor ( 1.8 m) | 46.5 |
| | First floor ( 3.6 m) | 46.9 |
| 9 | Ground floor ( 1.8 m) | 47.9 |
| 10 | Ground floor ( 1.8 m) | 53.7 |
| 11 | Ground floor ( 1.8 m) | 53.0 |
| 12 | Ground floor ( 1.8 m) | 50.7 |
| 13 | Ground floor ( 1.8 m) | 53.4 |
| 14 | Ground floor ( 1.8 m) | 52.9 |

| | | |
|---|---|---|
| 15 | Ground floor ( 1.8 m) | 51.7 |
| 16 | Ground floor ( 1.8 m) | 51.2 |
| | First floor ( 3.9 m) | 51.5 |
| 17 | Ground floor ( 1.8 m) | 51.5 |
| 18 | Ground floor ( 1.8 m) | 50.3 |
| 19 | Ground floor ( 1.8 m) | 49.5 |
| 20 | Ground floor ( 1.8 m) | 51.0 |
| 21 | Ground floor ( 1.8 m) | 50.9 |
| | First floor ( 4.3 m) | 52.4 |

**TRONCO 1 KM 19-20 DIURNO POST OPERAM**
CALCUL N° 4
Comment : calculation n°4 (Receiver)
Creation date : 29-JUL-2008

Position : from (1494921.6m, 4499219.0m) to (1496336.8m, 4500197.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 63.4 |
| 3 | Ground floor ( 1.8 m) | 56.6 |
| 4 | Ground floor ( 1.8 m) | 55.3 |
| 5 | Ground floor ( 1.8 m) | 48.0 |
| 6 | Ground floor ( 1.8 m) | 62.4 |

**TRONCO 1 KM 19-20 NOTTURNO POST OPERAM**
CALCUL N° 5
Comment : calculation n°5 (Receiver)
Creation date : 29-JUL-2008

Position : from (1495040.5m, 4499228.0m) to (1496344.1m, 4500182.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 55.3 |
| 3 | Ground floor ( 1.8 m) | 48.5 |
| 4 | Ground floor ( 1.8 m) | 47.2 |
| 5 | Ground floor ( 1.8 m) | 39.9 |
| 6 | Ground floor ( 1.8 m) | 54.2 |

**TRONCO 1 KM 22-25 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 1-MAR-1999

Position : from (1497341.6m, 4501181.0m) to (1500398.3m, 4503112.5m)

Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 56.8 |
| | First floor ( 3.8 m) | 59.4 |
| | Second floor ( 6.2 m) | 59.5 |
| 2 | Ground floor ( 1.8 m) | 58.6 |
| 3 | Ground floor ( 1.8 m) | 60.6 |
| | First floor ( 4.0 m) | 61.1 |
| 4 | Ground floor ( 1.8 m) | 56.9 |
| 5 | Ground floor ( 1.8 m) | 64.2 |
| | First floor ( 3.7 m) | 65.7 |
| | Second floor ( 5.8 m) | 65.8 |
| 6 | Ground floor ( 1.8 m) | 61.4 |
| | First floor ( 3.7 m) | 62.0 |
| | Second floor ( 5.8 m) | 62.4 |
| 7 | Ground floor ( 1.8 m) | 58.1 |
| 8 | Ground floor ( 1.8 m) | 60.5 |
| | First floor ( 3.9 m) | 60.4 |
| 9 | Ground floor ( 1.8 m) | 56.2 |
| | First floor ( 3.7 m) | 57.0 |
| 10 | Ground floor ( 1.8 m) | 57.2 |
| | First floor ( 3.6 m) | 57.6 |
| | Second floor ( 5.7 m) | 57.4 |
| 11 | Ground floor ( 1.8 m) | 61.3 |
| 12 | Ground floor ( 1.8 m) | 58.6 |
| 13 | Ground floor ( 1.8 m) | 54.1 |
| 14 | Ground floor ( 1.8 m) | 59.4 |
| | First floor ( 3.7 m) | 60.1 |
| 15 | Ground floor ( 1.8 m) | 55.5 |
| | First floor ( 3.6 m) | 56.7 |
| 16 | Ground floor ( 1.8 m) | 56.4 |
| 17 | Ground floor ( 1.8 m) | 58.1 |
| 18 | Ground floor ( 1.8 m) | 60.1 |
| 19 | Ground floor ( 1.8 m) | 61.3 |
| 20 | Ground floor ( 1.8 m) | 60.5 |

**TRONCO 1 KM 22-25 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 1-MAR-1999

Position : from (1497358.4m, 4501194.0m) to (1500388.3m, 4503099.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 48.7 |
| | First floor ( 3.8 m) | 51.3 |

| | | |
|---|---|---|
| | Second floor ( 6.2 m) | 51.4 |
| 2 | Ground floor ( 1.8 m) | 50.5 |
| 3 | Ground floor ( 1.8 m) | 52.5 |
| | First floor ( 4.0 m) | 53.0 |
| 4 | Ground floor ( 1.8 m) | 48.8 |
| 5 | Ground floor ( 1.8 m) | 56.1 |
| | First floor ( 3.7 m) | 57.6 |
| | Second floor ( 5.8 m) | 57.7 |
| 6 | Ground floor ( 1.8 m) | 53.3 |
| | First floor ( 3.7 m) | 53.9 |
| | Second floor ( 5.8 m) | 54.3 |
| 7 | Ground floor ( 1.8 m) | 50.0 |
| 8 | Ground floor ( 1.8 m) | 52.4 |
| | First floor ( 3.9 m) | 52.3 |
| 9 | Ground floor ( 1.8 m) | 48.1 |
| | First floor ( 3.7 m) | 49.0 |
| 10 | Ground floor ( 1.8 m) | 49.1 |
| | First floor ( 3.6 m) | 49.5 |
| | Second floor ( 5.7 m) | 49.3 |
| 11 | Ground floor ( 1.8 m) | 53.2 |
| 12 | Ground floor ( 1.8 m) | 50.5 |
| 13 | Ground floor ( 1.8 m) | 46.0 |
| 14 | Ground floor ( 1.8 m) | 51.3 |
| | First floor ( 3.7 m) | 52.0 |
| 15 | Ground floor ( 1.8 m) | 47.4 |
| | First floor ( 3.6 m) | 48.6 |
| 16 | Ground floor ( 1.8 m) | 48.3 |
| 17 | Ground floor ( 1.8 m) | 50.0 |
| 18 | Ground floor ( 1.8 m) | 52.0 |
| 19 | Ground floor ( 1.8 m) | 53.2 |
| 20 | Ground floor ( 1.8 m) | 52.4 |

**TRONCO 1 CANTIERE AL KM 24 CORSO D'OPERA DIURNO**

CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 6-AUG-2008

Position : from (1498922.5m, 4502223.5m) to (1500308.5m, 4503082.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 57.3 |
| | First floor ( 3.6 m) | 57.8 |
| | Second floor ( 5.7 m) | 57.8 |
| 2 | Ground floor ( 1.8 m) | 52.8 |
| 3 | Ground floor ( 1.8 m) | 53.6 |
| | First floor ( 3.7 m) | 54.2 |
| 4 | Ground floor ( 1.8 m) | 48.7 |
| 5 | Ground floor ( 1.8 m) | 48.4 |

| | | |
|---|---|---|
| | First floor ( 3.6 m) | 49.5 |
| 6 | Ground floor ( 1.8 m) | 46.7 |
| | First floor ( 4.2 m) | 50.0 |
| 7 | Ground floor ( 1.8 m) | 49.7 |
| 8 | Ground floor ( 1.8 m) | 50.9 |
| 9 | Ground floor ( 1.8 m) | 53.5 |
| 10 | Ground floor ( 1.8 m) | 54.1 |
| 11 | Ground floor ( 1.8 m) | 57.6 |
| 12 | Ground floor ( 1.8 m) | 54.2 |

**TRONCO 1 CANTIERE AL KM 24 CORSO D'OPERA NOTTURNO**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 6-AUG-2008

Position : from (1498979.3m, 4502185.0m) to (1500242.5m, 4503098.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 51.5 |
| | First floor ( 3.6 m) | 51.9 |
| | Second floor ( 5.7 m) | 51.8 |
| 2 | Ground floor ( 1.8 m) | 43.7 |
| 3 | Ground floor ( 1.8 m) | 43.3 |
| | First floor ( 3.7 m) | 41.5 |
| 4 | Ground floor ( 1.8 m) | 44.4 |
| 5 | Ground floor ( 1.8 m) | 40.6 |
| | First floor ( 3.6 m) | 40.7 |
| 6 | Ground floor ( 1.8 m) | 42.8 |
| | First floor ( 4.2 m) | 43.1 |
| 7 | Ground floor ( 1.8 m) | 42.3 |
| 8 | Ground floor ( 1.8 m) | 42.3 |
| 9 | Ground floor ( 1.8 m) | 42.5 |
| 10 | Ground floor ( 1.8 m) | 39.0 |
| 11 | Ground floor ( 1.8 m) | 55.6 |
| 12 | Ground floor ( 1.8 m) | 53.6 |

**TRONCO 2 KM 0-3 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 22-JUL-2008

Position : from (1506295.4m, 4507806.5m) to (1509389.9m, 4510138.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 59.4 |

| | | |
|---|---|---|
| 2 | Ground floor ( 1.8 m) | 68.8 |
| 3 | Ground floor ( 1.8 m) | 67.0 |
| 4 | Ground floor ( 1.8 m) | 51.3 |
| 5 | Ground floor ( 1.8 m) | 51.2 |
| | First floor ( 3.4 m) | 53.1 |
| 6 | Ground floor ( 1.8 m) | 61.8 |
| 7 | Ground floor ( 1.8 m) | 64.5 |
| 8 | Ground floor ( 1.8 m) | 64.1 |
| 9 | Ground floor ( 1.8 m) | 63.5 |
| 10 | Ground floor ( 1.8 m) | 64.1 |
| 11 | Ground floor ( 1.8 m) | 58.0 |
| 12 | Ground floor ( 1.8 m) | 55.6 |
| | First floor ( 3.7 m) | 56.8 |
| 13 | Ground floor ( 1.8 m) | 58.4 |
| 14 | Ground floor ( 1.8 m) | 58.0 |
| 15 | Ground floor ( 1.8 m) | 58.9 |
| 16 | Ground floor ( 1.8 m) | 55.7 |
| 17 | Ground floor ( 1.8 m) | 57.4 |
| | First floor ( 3.5 m) | 58.5 |
| 18 | Ground floor ( 1.8 m) | 63.1 |
| 19 | Ground floor ( 1.8 m) | 52.4 |
| 20 | Ground floor ( 1.8 m) | 63.0 |
| | First floor ( 3.8 m) | 64.6 |
| 21 | Ground floor ( 1.8 m) | 60.6 |
| | First floor ( 4.0 m) | 60.8 |
| 22 | Ground floor ( 1.8 m) | 62.6 |
| | First floor ( 3.7 m) | 62.6 |
| 23 | Ground floor ( 1.8 m) | 56.2 |
| 24 | Ground floor ( 1.8 m) | 60.5 |
| 25 | Ground floor ( 1.8 m) | 58.3 |
| 26 | Ground floor ( 1.8 m) | 58.4 |
| 27 | Ground floor ( 1.8 m) | 57.7 |
| | First floor ( 4.0 m) | 57.6 |
| 28 | Ground floor ( 1.8 m) | 58.8 |
| 29 | Ground floor ( 1.8 m) | 57.1 |
| | First floor ( 3.7 m) | 57.4 |
| 30 | Ground floor ( 1.8 m) | 54.3 |
| 31 | Ground floor ( 1.8 m) | 61.5 |
| 32 | Ground floor ( 1.8 m) | 54.5 |
| 33 | Ground floor ( 1.8 m) | 50.5 |
| 34 | Ground floor ( 1.8 m) | 56.5 |
| | First floor ( 3.4 m) | 57.7 |
| 35 | Ground floor ( 1.8 m) | 53.6 |
| 36 | Ground floor ( 1.8 m) | 47.6 |
| 37 | Ground floor ( 1.8 m) | 54.3 |
| | First floor ( 3.6 m) | 55.1 |
| 38 | Ground floor ( 1.8 m) | 63.2 |
| 39 | Ground floor ( 1.8 m) | 61.7 |
| | First floor ( 3.4 m) | 62.6 |
| 40 | Ground floor ( 1.8 m) | 59.0 |
| 41 | Ground floor ( 1.8 m) | 54.3 |

| | | |
|---|---|---|
| 42 | Ground floor ( 1.8 m) | 61.4 |

**TRONCO 2 KM 0-3 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 22-JUL-2008

Position : from (1506303.3m, 4507818.0m) to (1509382.1m, 4510134.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 51.3 |
| 2 | Ground floor ( 1.8 m) | 60.7 |
| 3 | Ground floor ( 1.8 m) | 58.9 |
| 4 | Ground floor ( 1.8 m) | 43.2 |
| 5 | Ground floor ( 1.8 m) | 43.1 |
| | First floor ( 3.4 m) | 45.0 |
| 6 | Ground floor ( 1.8 m) | 53.7 |
| 7 | Ground floor ( 1.8 m) | 56.4 |
| 8 | Ground floor ( 1.8 m) | 56.0 |
| 9 | Ground floor ( 1.8 m) | 55.4 |
| 10 | Ground floor ( 1.8 m) | 56.0 |
| 11 | Ground floor ( 1.8 m) | 49.9 |
| 12 | Ground floor ( 1.8 m) | 47.5 |
| | First floor ( 3.7 m) | 48.7 |
| 13 | Ground floor ( 1.8 m) | 50.3 |
| 14 | Ground floor ( 1.8 m) | 49.9 |
| 15 | Ground floor ( 1.8 m) | 50.8 |
| 16 | Ground floor ( 1.8 m) | 47.6 |
| 17 | Ground floor ( 1.8 m) | 49.3 |
| | First floor ( 3.5 m) | 50.4 |
| 18 | Ground floor ( 1.8 m) | 55.0 |
| 19 | Ground floor ( 1.8 m) | 44.3 |
| 20 | Ground floor ( 1.8 m) | 54.9 |
| | First floor ( 3.8 m) | 56.5 |
| 21 | Ground floor ( 1.8 m) | 52.5 |
| | First floor ( 4.0 m) | 52.7 |
| 22 | Ground floor ( 1.8 m) | 54.5 |
| | First floor ( 3.7 m) | 54.5 |
| 23 | Ground floor ( 1.8 m) | 48.1 |
| 24 | Ground floor ( 1.8 m) | 52.4 |
| 25 | Ground floor ( 1.8 m) | 50.1 |
| 26 | Ground floor ( 1.8 m) | 50.3 |
| 27 | Ground floor ( 1.8 m) | 49.5 |
| | First floor ( 4.0 m) | 49.5 |
| 28 | Ground floor ( 1.8 m) | 50.7 |
| 29 | Ground floor ( 1.8 m) | 48.9 |
| | First floor ( 3.7 m) | 49.2 |
| 30 | Ground floor ( 1.8 m) | 46.2 |

| | | |
|---|---|---|
| 31 | Ground floor ( 1.8 m) | 53.4 |
| 32 | Ground floor ( 1.8 m) | 46.4 |
| 33 | Ground floor ( 1.8 m) | 42.4 |
| 34 | Ground floor ( 1.8 m) | 48.4 |
| | First floor ( 3.4 m) | 49.6 |
| 35 | Ground floor ( 1.8 m) | 45.5 |
| 36 | Ground floor ( 1.8 m) | 39.5 |
| 37 | Ground floor ( 1.8 m) | 46.2 |
| | First floor ( 3.6 m) | 47.0 |
| 38 | Ground floor ( 1.8 m) | 55.1 |
| 39 | Ground floor ( 1.8 m) | 53.6 |
| | First floor ( 3.4 m) | 54.5 |
| 40 | Ground floor ( 1.8 m) | 50.9 |
| 41 | Ground floor ( 1.8 m) | 46.2 |
| 42 | Ground floor ( 1.8 m) | 53.3 |

**TRONCO 2 KM 0-3 NOTTURNO POST OPERAM CON MITIGAZIONE**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 29-JUL-2008

Position : from (1506910.4m, 4508098.5m) to (1507723.9m, 4508771.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 51.2 |
| 2 | Ground floor ( 1.8 m) | 56.5 |
| 3 | Ground floor ( 1.8 m) | 55.5 |
| 4 | Ground floor ( 1.8 m) | 42.9 |
| 5 | Ground floor ( 1.8 m) | 42.5 |
| | First floor ( 3.4 m) | 44.4 |
| 6 | Ground floor ( 1.8 m) | 52.8 |
| 7 | Ground floor ( 1.8 m) | 56.2 |
| 8 | Ground floor ( 1.8 m) | 55.8 |
| 9 | Ground floor ( 1.8 m) | 55.3 |
| 10 | Ground floor ( 1.8 m) | 55.9 |
| 11 | Ground floor ( 1.8 m) | 49.5 |
| 12 | Ground floor ( 1.8 m) | 47.2 |
| | First floor ( 3.7 m) | 48.4 |
| 13 | Ground floor ( 1.8 m) | 50.3 |
| 14 | Ground floor ( 1.8 m) | 49.9 |
| 15 | Ground floor ( 1.8 m) | 50.7 |
| 28 | Ground floor ( 1.8 m) | 50.7 |
| 29 | Ground floor ( 1.8 m) | 48.9 |
| | First floor ( 3.7 m) | 49.2 |
| 30 | Ground floor ( 1.8 m) | 46.2 |
| 31 | Ground floor ( 1.8 m) | 53.4 |
| 32 | Ground floor ( 1.8 m) | 46.4 |
| 33 | Ground floor ( 1.8 m) | 42.5 |

**TRONCO 2 KM 8-11 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 22-JUL-2008

Position : from (1512495.4m, 4512581.5m) to (1515545.9m, 4514604.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 47.4 |
| 2 | Ground floor ( 1.8 m) | 39.9 |
| 3 | Ground floor ( 1.8 m) | 49.4 |
| | First floor ( 4.3 m) | 51.2 |
| 4 | Ground floor ( 1.8 m) | 42.4 |
| | First floor ( 3.8 m) | 46.7 |
| 5 | Ground floor ( 1.8 m) | 45.8 |
| | First floor ( 3.4 m) | 46.1 |
| 6 | Ground floor ( 1.8 m) | 46.3 |
| 7 | Ground floor ( 1.8 m) | 51.9 |
| 8 | Ground floor ( 1.8 m) | 57.7 |
| 9 | Ground floor ( 1.8 m) | 60.0 |
| 10 | Ground floor ( 1.8 m) | 66.5 |
| 11 | Ground floor ( 1.8 m) | 62.9 |
| 12 | Ground floor ( 1.8 m) | 58.3 |
| 13 | Ground floor ( 1.8 m) | 58.3 |
| 14 | Ground floor ( 1.8 m) | 57.3 |
| 15 | Ground floor ( 1.8 m) | 62.7 |
| 16 | Ground floor ( 1.8 m) | 64.2 |
| 17 | Ground floor ( 1.8 m) | 58.4 |
| 18 | Ground floor ( 1.8 m) | 57.1 |
| 19 | Ground floor ( 1.8 m) | 56.1 |
| 20 | Ground floor ( 1.8 m) | 57.9 |
| 21 | Ground floor ( 1.8 m) | 54.3 |
| 22 | Ground floor ( 1.8 m) | 55.0 |
| 23 | Ground floor ( 1.8 m) | 61.9 |
| 24 | Ground floor ( 1.8 m) | 57.1 |
| | First floor ( 3.7 m) | 58.4 |
| 25 | Ground floor ( 1.8 m) | 60.5 |
| 26 | Ground floor ( 1.8 m) | 50.6 |
| 27 | Ground floor ( 1.8 m) | 52.0 |
| | First floor ( 4.5 m) | 52.5 |
| 28 | Ground floor ( 1.8 m) | 49.1 |
| 29 | Ground floor ( 1.8 m) | 60.8 |
| 30 | Ground floor ( 1.8 m) | 57.7 |
| 31 | Ground floor ( 1.8 m) | 51.6 |
| 32 | Ground floor ( 1.8 m) | 58.3 |
| 33 | Ground floor ( 1.8 m) | 60.5 |
| | First floor ( 4.5 m) | 60.9 |

| | | |
|---|---|---|
| 34 | Ground floor ( 1.8 m) | 60.6 |
| | First floor ( 4.6 m) | 61.6 |
| 35 | Ground floor ( 1.8 m) | 61.2 |
| | First floor ( 4.0 m) | 61.6 |
| 36 | Ground floor ( 1.8 m) | 59.7 |
| 37 | Ground floor ( 1.8 m) | 51.7 |
| 38 | Ground floor ( 1.8 m) | 52.3 |
| 39 | Ground floor ( 1.8 m) | 52.4 |
| 40 | Ground floor ( 1.8 m) | 52.8 |
| | First floor ( 3.4 m) | 53.9 |
| 41 | Ground floor ( 1.8 m) | 55.2 |
| 42 | Ground floor ( 1.8 m) | 56.4 |
| 43 | Ground floor ( 1.8 m) | 56.2 |
| 44 | Ground floor ( 1.8 m) | 55.8 |
| | First floor ( 3.7 m) | 56.7 |
| | Second floor ( 5.9 m) | 56.7 |
| 45 | Ground floor ( 1.8 m) | 56.3 |
| 46 | Ground floor ( 1.8 m) | 59.5 |
| | First floor ( 3.5 m) | 59.6 |
| 47 | Ground floor ( 1.8 m) | 60.0 |
| 48 | Ground floor ( 1.8 m) | 56.0 |
| | First floor ( 3.8 m) | 56.7 |
| | Second floor ( 6.1 m) | 57.1 |
| 49 | Ground floor ( 1.8 m) | 68.7 |
| 50 | Ground floor ( 1.8 m) | 65.6 |
| 51 | Ground floor ( 1.8 m) | 58.9 |
| 52 | Ground floor ( 1.8 m) | 60.9 |
| 53 | Ground floor ( 1.8 m) | 57.8 |

**TRONCO 2 KM 8-11 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 22-JUL-2008

Position : from (1512508.8m, 4512568.0m) to (1515519.0m, 4514597.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 39.4 |
| 2 | Ground floor ( 1.8 m) | 31.8 |
| 3 | Ground floor ( 1.8 m) | 41.3 |
| | First floor ( 4.3 m) | 43.1 |
| 4 | Ground floor ( 1.8 m) | 34.3 |
| | First floor ( 3.8 m) | 38.6 |
| 5 | Ground floor ( 1.8 m) | 37.7 |
| | First floor ( 3.4 m) | 38.0 |
| 6 | Ground floor ( 1.8 m) | 38.2 |
| 7 | Ground floor ( 1.8 m) | 43.8 |
| 8 | Ground floor ( 1.8 m) | 49.6 |

| | | |
|---|---|---|
| 9 | Ground floor ( 1.8 m) | 51.9 |
| 10 | Ground floor ( 1.8 m) | 58.3 |
| 11 | Ground floor ( 1.8 m) | 54.7 |
| 12 | Ground floor ( 1.8 m) | 50.2 |
| 13 | Ground floor ( 1.8 m) | 50.1 |
| 14 | Ground floor ( 1.8 m) | 49.2 |
| 15 | Ground floor ( 1.8 m) | 54.6 |
| 16 | Ground floor ( 1.8 m) | 56.2 |
| 17 | Ground floor ( 1.8 m) | 50.3 |
| 18 | Ground floor ( 1.8 m) | 49.0 |
| 19 | Ground floor ( 1.8 m) | 48.0 |
| 20 | Ground floor ( 1.8 m) | 49.9 |
| 21 | Ground floor ( 1.8 m) | 46.2 |
| 22 | Ground floor ( 1.8 m) | 46.9 |
| 23 | Ground floor ( 1.8 m) | 53.8 |
| 24 | Ground floor ( 1.8 m) | 49.0 |
| | First floor ( 3.7 m) | 50.3 |
| 25 | Ground floor ( 1.8 m) | 52.4 |
| 26 | Ground floor ( 1.8 m) | 42.4 |
| 27 | Ground floor ( 1.8 m) | 43.9 |
| | First floor ( 4.5 m) | 44.4 |
| 28 | Ground floor ( 1.8 m) | 41.0 |
| 29 | Ground floor ( 1.8 m) | 52.7 |
| 30 | Ground floor ( 1.8 m) | 49.5 |
| 31 | Ground floor ( 1.8 m) | 43.4 |
| 32 | Ground floor ( 1.8 m) | 50.1 |
| 33 | Ground floor ( 1.8 m) | 52.3 |
| | First floor ( 4.5 m) | 52.7 |
| 34 | Ground floor ( 1.8 m) | 52.4 |
| | First floor ( 4.6 m) | 53.4 |
| 35 | Ground floor ( 1.8 m) | 53.0 |
| | First floor ( 4.0 m) | 53.4 |
| 36 | Ground floor ( 1.8 m) | 51.6 |
| 37 | Ground floor ( 1.8 m) | 43.6 |
| 38 | Ground floor ( 1.8 m) | 44.2 |
| 39 | Ground floor ( 1.8 m) | 44.3 |
| 40 | Ground floor ( 1.8 m) | 44.7 |
| | First floor ( 3.4 m) | 45.8 |
| 41 | Ground floor ( 1.8 m) | 47.1 |
| 42 | Ground floor ( 1.8 m) | 48.3 |
| 43 | Ground floor ( 1.8 m) | 48.1 |
| 44 | Ground floor ( 1.8 m) | 47.7 |
| | First floor ( 3.7 m) | 48.6 |
| | Second floor ( 5.9 m) | 48.6 |
| 45 | Ground floor ( 1.8 m) | 48.2 |
| 46 | Ground floor ( 1.8 m) | 51.4 |
| | First floor ( 3.5 m) | 51.5 |
| 47 | Ground floor ( 1.8 m) | 51.9 |
| 48 | Ground floor ( 1.8 m) | 47.9 |
| | First floor ( 3.8 m) | 48.6 |
| | Second floor ( 6.1 m) | 49.0 |

| | | |
|---|---|---|
| 49 | Ground floor ( 1.8 m) | 60.6 |
| 50 | Ground floor ( 1.8 m) | 57.5 |
| 51 | Ground floor ( 1.8 m) | 50.8 |
| 52 | Ground floor ( 1.8 m) | 52.8 |
| 53 | Ground floor ( 1.8 m) | 49.7 |

**TRONCO 2 KM 8-11 NOTTURNO POST OPERAM CON MITIGAZIONE**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 29-JUL-2008

Position : from (1514682.4m, 4513697.0m) to (1515095.6m, 4514056.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 16 | Ground floor ( 1.8 m) | 56.2 |
| 17 | Ground floor ( 1.8 m) | 50.3 |
| 48 | Ground floor ( 1.8 m) | 47.7 |
| | First floor ( 3.8 m) | 48.3 |
| | Second floor ( 6.1 m) | 48.7 |
| 49 | Ground floor ( 1.8 m) | 55.4 |
| 50 | Ground floor ( 1.8 m) | 54.3 |
| 51 | Ground floor ( 1.8 m) | 50.6 |

**TRONCO 2 KM 12,5-15 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 29-JUL-2008

Position : from (1516649.1m, 4514050.5m) to (1519457.0m, 4514778.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 53.3 |
| 2 | Ground floor ( 1.8 m) | 53.1 |
| | First floor ( 3.7 m) | 53.7 |
| 3 | Ground floor ( 1.8 m) | 59.5 |
| 4 | Ground floor ( 1.8 m) | 63.1 |
| 5 | Ground floor ( 1.8 m) | 66.7 |
| 6 | Ground floor ( 1.8 m) | 65.6 |
| 7 | Ground floor ( 1.8 m) | 63.3 |
| 8 | Ground floor ( 1.8 m) | 68.8 |
| | First floor ( 3.7 m) | 69.1 |
| 9 | Ground floor ( 1.8 m) | 62.5 |
| | First floor ( 3.7 m) | 64.7 |
| | Second floor ( 5.8 m) | 66.0 |
| 10 | Ground floor ( 1.8 m) | 63.9 |

| | | |
|---|---|---|
| | First floor ( 3.9 m) | 64.5 |
| 11 | Ground floor ( 1.8 m) | 58.5 |
| 12 | Ground floor ( 1.8 m) | 57.0 |
| 13 | Ground floor ( 1.8 m) | 59.9 |
| 14 | Ground floor ( 1.8 m) | 61.8 |
| 15 | Ground floor ( 1.8 m) | 58.5 |
| 16 | Ground floor ( 1.8 m) | 57.3 |
| 17 | Ground floor ( 1.8 m) | 60.0 |
| 18 | Ground floor ( 1.8 m) | 57.5 |
| | First floor ( 4.1 m) | 58.7 |
| 19 | Ground floor ( 1.8 m) | 61.5 |
| | First floor ( 3.4 m) | 62.2 |
| 20 | Ground floor ( 1.8 m) | 61.6 |
| | First floor ( 3.4 m) | 62.5 |
| 21 | Ground floor ( 1.8 m) | 61.7 |
| 22 | Ground floor ( 1.8 m) | 62.0 |
| | First floor ( 4.1 m) | 65.9 |
| 23 | Ground floor ( 1.8 m) | 44.2 |
| | First floor ( 3.4 m) | 44.9 |

**TRONCO 2 KM 12,5-15 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 29-JUL-2008

Position : from (1516646.1m, 4514065.5m) to (1519472.0m, 4514796.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 45.2 |
| 2 | Ground floor ( 1.8 m) | 45.0 |
| | First floor ( 3.7 m) | 45.6 |
| 3 | Ground floor ( 1.8 m) | 51.4 |
| 4 | Ground floor ( 1.8 m) | 55.0 |
| 5 | Ground floor ( 1.8 m) | 58.6 |
| 6 | Ground floor ( 1.8 m) | 57.5 |
| 7 | Ground floor ( 1.8 m) | 55.2 |
| 8 | Ground floor ( 1.8 m) | 60.7 |
| | First floor ( 3.7 m) | 61.0 |
| 9 | Ground floor ( 1.8 m) | 54.4 |
| | First floor ( 3.7 m) | 56.6 |
| | Second floor ( 5.8 m) | 57.9 |
| 10 | Ground floor ( 1.8 m) | 55.8 |
| | First floor ( 3.9 m) | 56.4 |
| 11 | Ground floor ( 1.8 m) | 50.4 |
| 12 | Ground floor ( 1.8 m) | 48.8 |
| 13 | Ground floor ( 1.8 m) | 51.8 |
| 14 | Ground floor ( 1.8 m) | 53.7 |
| 15 | Ground floor ( 1.8 m) | 50.4 |

| | | |
|---|---|---|
| 16 | Ground floor ( 1.8 m) | 49.2 |
| 17 | Ground floor ( 1.8 m) | 51.9 |
| 18 | Ground floor ( 1.8 m) | 49.4 |
| | First floor ( 4.1 m) | 50.6 |
| 19 | Ground floor ( 1.8 m) | 53.4 |
| | First floor ( 3.4 m) | 54.1 |
| 20 | Ground floor ( 1.8 m) | 53.5 |
| | First floor ( 3.4 m) | 54.4 |
| 21 | Ground floor ( 1.8 m) | 53.6 |
| 22 | Ground floor ( 1.8 m) | 53.9 |
| | First floor ( 4.1 m) | 57.8 |
| 23 | Ground floor ( 1.8 m) | 36.0 |
| | First floor ( 3.4 m) | 36.7 |

**TRONCO 2 KM 12,5-15 NOTTURNO POST OPERAM CON MITIGAZIONE**
CALCUL N° 3
Comment : calculation n°3 (Receiver)
Creation date : 29-JUL-2008

Position : from (1517014.8m, 4514224.5m) to (1517335.4m, 4514482.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 8 | Ground floor ( 1.8 m) | 55.1 |
| | First floor ( 3.7 m) | 58.2 |
| 9 | Ground floor ( 1.8 m) | 52.0 |
| | First floor ( 3.7 m) | 54.5 |
| | Second floor ( 5.8 m) | 56.6 |
| 10 | Ground floor ( 1.8 m) | 52.5 |
| | First floor ( 3.9 m) | 53.3 |

**TRONCO 2 KM 16,5-19 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 22-JUL-2008

Position : from (1520278.3m, 4514250.0m) to (1522878.4m, 4516244.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 68.2 |
| 2 | Ground floor ( 1.8 m) | 58.4 |
| 3 | Ground floor ( 1.8 m) | 56.0 |
| 4 | Ground floor ( 1.8 m) | 55.2 |
| 5 | Ground floor ( 1.8 m) | 57.1 |
| 6 | Ground floor ( 1.8 m) | 58.8 |
| | First floor ( 3.4 m) | 59.3 |

| | | |
|---|---|---|
| 7 | Ground floor ( 1.8 m) | 59.8 |
| 8 | Ground floor ( 1.8 m) | 59.2 |
| 9 | Ground floor ( 1.8 m) | 58.8 |
| 10 | Ground floor ( 1.8 m) | 49.3 |
| 11 | Ground floor ( 1.8 m) | 64.3 |
| | First floor ( 3.4 m) | 64.7 |
| 12 | Ground floor ( 1.8 m) | 62.3 |

**TRONCO 2 KM 16,5-19 NOTTURNO POST OPERAM**

CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 22-JUL-2008

Position : from (1520285.1m, 4514257.0m) to (1522868.1m, 4516237.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 60.1 |
| 2 | Ground floor ( 1.8 m) | 50.3 |
| 3 | Ground floor ( 1.8 m) | 47.9 |
| 4 | Ground floor ( 1.8 m) | 47.1 |
| 5 | Ground floor ( 1.8 m) | 49.0 |
| 6 | Ground floor ( 1.8 m) | 50.7 |
| | First floor ( 3.4 m) | 51.2 |
| 7 | Ground floor ( 1.8 m) | 51.8 |
| 8 | Ground floor ( 1.8 m) | 51.1 |
| 9 | Ground floor ( 1.8 m) | 50.8 |
| 10 | Ground floor ( 1.8 m) | 41.2 |
| 11 | Ground floor ( 1.8 m) | 56.2 |
| | First floor ( 3.4 m) | 56.6 |
| 12 | Ground floor ( 1.8 m) | 54.2 |

**TRONCO 2 KM 16,5-19 NOTTURNO POST OPERAM CON MITIGAZIONE**

CALCUL N° 3
Comment : calculation n°3 (Receiver)
Creation date : 29-JUL-2008

Position : from (1520826.3m, 4514553.0m) to (1521323.1m, 4514886.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 56.5 |

**TRONCO 2 CANTIERE AL KM 16,3 CORSO D'OPERA DIURNO**

CALCUL N° 1
Comment : calculation n°1 (Receiver)

Creation date : 6-AUG-2008

Position : from (1519641.3m, 4513976.0m) to (1520917.5m, 4514653.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 64.3 |
| | First floor ( 3.5 m) | 63.1 |
| 2 | Ground floor ( 1.8 m) | 59.5 |
| | First floor ( 4.1 m) | 59.6 |
| | Second floor ( 6.8 m) | 59.1 |
| 3 | Ground floor ( 1.8 m) | 55.9 |
| 4 | Ground floor ( 1.8 m) | 51.2 |

**TRONCO 2 CANTIERE AL KM 16,3 CORSO D'OPERA NOTTURNO**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 6-AUG-2008

Position : from (1519644.0m, 4513978.5m) to (1520886.3m, 4514653.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 41.9 |
| | First floor ( 3.5 m) | 42.6 |
| 2 | Ground floor ( 1.8 m) | 42.5 |
| | First floor ( 4.1 m) | 43.5 |
| | Second floor ( 6.8 m) | 42.8 |
| 3 | Ground floor ( 1.8 m) | 55.1 |
| 4 | Ground floor ( 1.8 m) | 50.7 |

**TRONCO 3 KM 0,5-2,5 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 23-JUL-2008

Position : from (1522749.4m, 4516175.0m) to (1524955.3m, 4517608.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 63.3 |
| 2 | Ground floor ( 1.8 m) | 65.9 |
| 3 | Ground floor ( 1.8 m) | 56.9 |
| | First floor ( 3.7 m) | 57.5 |
| 4 | Ground floor ( 1.8 m) | 59.3 |
| | First floor ( 3.7 m) | 59.8 |

| | | |
|---|---|---|
| 5 | Ground floor ( 1.8 m) | 56.8 |
| | First floor ( 4.3 m) | 58.0 |
| 6 | Ground floor ( 1.8 m) | 59.1 |
| 7 | Ground floor ( 1.8 m) | 58.7 |
| 8 | Ground floor ( 1.8 m) | 68.2 |
| 9 | Ground floor ( 1.8 m) | 59.4 |
| 10 | Ground floor ( 1.8 m) | 62.9 |
| 11 | Ground floor ( 1.8 m) | 56.4 |
| | First floor ( 3.7 m) | 56.4 |
| 12 | Ground floor ( 1.8 m) | 56.6 |
| | First floor ( 3.8 m) | 56.6 |
| 13 | Ground floor ( 1.8 m) | 55.2 |
| | First floor ( 3.6 m) | 57.8 |
| | Second floor ( 5.8 m) | 59.8 |
| 14 | Ground floor ( 1.8 m) | 59.3 |
| 15 | Ground floor ( 1.8 m) | 53.5 |
| | First floor ( 3.4 m) | 53.6 |
| 16 | Ground floor ( 1.8 m) | 58.3 |
| 17 | Ground floor ( 1.8 m) | 58.5 |
| 18 | Ground floor ( 1.8 m) | 55.3 |
| 19 | Ground floor ( 1.8 m) | 51.8 |

**TRONCO 3 KM 0,5-2,5 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 23-JUL-2008

Position : from (1522814.3m, 4516190.5m) to (1524942.3m, 4517619.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 55.2 |
| 2 | Ground floor ( 1.8 m) | 57.8 |
| 3 | Ground floor ( 1.8 m) | 48.8 |
| | First floor ( 3.7 m) | 49.4 |
| 4 | Ground floor ( 1.8 m) | 51.2 |
| | First floor ( 3.7 m) | 51.7 |
| 5 | Ground floor ( 1.8 m) | 48.7 |
| | First floor ( 4.3 m) | 49.9 |
| 6 | Ground floor ( 1.8 m) | 51.0 |
| 7 | Ground floor ( 1.8 m) | 50.6 |
| 8 | Ground floor ( 1.8 m) | 60.1 |
| 9 | Ground floor ( 1.8 m) | 51.3 |
| 10 | Ground floor ( 1.8 m) | 54.8 |
| 11 | Ground floor ( 1.8 m) | 48.2 |
| | First floor ( 3.7 m) | 48.2 |
| 12 | Ground floor ( 1.8 m) | 48.5 |
| | First floor ( 3.8 m) | 48.5 |
| 13 | Ground floor ( 1.8 m) | 47.0 |
| | First floor ( 3.6 m) | 49.6 |

| | | |
|---|---|---|
| | Second floor ( 5.8 m) | 51.6 |
| 14 | Ground floor ( 1.8 m) | 51.2 |
| 15 | Ground floor ( 1.8 m) | 45.4 |
| | First floor ( 3.4 m) | 45.5 |
| 16 | Ground floor ( 1.8 m) | 50.3 |
| 17 | Ground floor ( 1.8 m) | 50.4 |
| 18 | Ground floor ( 1.8 m) | 47.2 |
| 19 | Ground floor ( 1.8 m) | 43.7 |

**TRONCO 3 KM 0,5-2,5 NOTTURNO POST OPERAM CON MITIGAZIONI**
CALCUL N° 4
Comment : calculation n°4 (Receiver)
Creation date : 29-JUL-2008

Position : from (1523936.8m, 4517088.5m) to (1524290.5m, 4517288.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 8 | Ground floor ( 1.8 m) | 56.4 |

**TRONCO 3 KM 6-8 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 29-AUG-2008

Position : from (1527149.9m, 4519264.0m) to (1529364.0m, 4520482.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 57.2 |
| | First floor ( 4.3 m) | 60.7 |
| 2 | Ground floor ( 1.8 m) | 56.8 |
| | First floor ( 3.5 m) | 57.5 |
| 3 | Ground floor ( 1.8 m) | 53.1 |
| | First floor ( 3.4 m) | 54.8 |
| 4 | Ground floor ( 1.8 m) | 55.6 |
| | First floor ( 4.4 m) | 57.4 |
| 5 | Ground floor ( 1.8 m) | 54.9 |
| 6 | Ground floor ( 1.8 m) | 54.8 |
| | First floor ( 4.1 m) | 57.9 |
| 7 | Ground floor ( 1.8 m) | 59.7 |
| | First floor ( 4.6 m) | 62.0 |
| 8 | Ground floor ( 1.8 m) | 66.1 |
| | First floor ( 3.5 m) | 66.3 |
| 9 | Ground floor ( 1.8 m) | 65.4 |
| 10 | Ground floor ( 1.8 m) | 69.4 |
| 11 | Ground floor ( 1.8 m) | 60.1 |
| 12 | Ground floor ( 1.8 m) | 59.8 |
| 13 | Ground floor ( 1.8 m) | 66.3 |

| | | |
|---|---|---|
| 14 | Ground floor ( 1.8 m) | 60.5 |
| 15 | Ground floor ( 1.8 m) | 60.3 |
| 16 | Ground floor ( 1.8 m) | 62.8 |
| | First floor ( 3.8 m) | 62.8 |
| 17 | Ground floor ( 1.8 m) | 56.5 |
| 18 | Ground floor ( 1.8 m) | 55.7 |
| 19 | Ground floor ( 1.8 m) | 55.4 |
| 20 | Ground floor ( 1.8 m) | 55.2 |
| 21 | Ground floor ( 1.8 m) | 55.4 |
| | First floor ( 3.5 m) | 55.7 |
| 22 | Ground floor ( 1.8 m) | 53.1 |
| 23 | Ground floor ( 1.8 m) | 53.2 |
| 24 | Ground floor ( 1.8 m) | 51.0 |
| 25 | Ground floor ( 1.8 m) | 52.7 |
| | First floor ( 3.8 m) | 52.6 |

**TRONCO 3 KM 6-8 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 29-AUG-2008

Position : from (1527182.6m, 4519261.5m) to (1529359.4m, 4520463.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 49.2 |
| | First floor ( 4.3 m) | 52.6 |
| 2 | Ground floor ( 1.8 m) | 48.7 |
| | First floor ( 3.5 m) | 49.4 |
| 3 | Ground floor ( 1.8 m) | 45.0 |
| | First floor ( 3.4 m) | 46.7 |
| 4 | Ground floor ( 1.8 m) | 47.5 |
| | First floor ( 4.4 m) | 49.3 |
| 5 | Ground floor ( 1.8 m) | 46.7 |
| 6 | Ground floor ( 1.8 m) | 46.7 |
| | First floor ( 4.1 m) | 49.8 |
| 7 | Ground floor ( 1.8 m) | 51.6 |
| | First floor ( 4.6 m) | 53.9 |
| 8 | Ground floor ( 1.8 m) | 58.0 |
| | First floor ( 3.5 m) | 58.2 |
| 9 | Ground floor ( 1.8 m) | 57.1 |
| 10 | Ground floor ( 1.8 m) | 61.1 |
| 11 | Ground floor ( 1.8 m) | 51.8 |
| 12 | Ground floor ( 1.8 m) | 51.6 |
| 13 | Ground floor ( 1.8 m) | 58.0 |
| 14 | Ground floor ( 1.8 m) | 52.3 |
| 15 | Ground floor ( 1.8 m) | 52.0 |
| 16 | Ground floor ( 1.8 m) | 54.6 |
| | First floor ( 3.8 m) | 54.6 |
| 17 | Ground floor ( 1.8 m) | 48.3 |

| | | |
|---|---|---|
| 18 | Ground floor ( 1.8 m) | 47.5 |
| 19 | Ground floor ( 1.8 m) | 47.2 |
| 20 | Ground floor ( 1.8 m) | 47.0 |
| 21 | Ground floor ( 1.8 m) | 47.2 |
| | First floor ( 3.5 m) | 47.5 |
| 22 | Ground floor ( 1.8 m) | 44.9 |
| 23 | Ground floor ( 1.8 m) | 45.0 |
| 24 | Ground floor ( 1.8 m) | 42.8 |
| 25 | Ground floor ( 1.8 m) | 44.6 |
| | First floor ( 3.8 m) | 44.5 |

**TRONCO 3 KM 6-8 NOTTURNO POST OPERAM CON MITIGAZIONE**
CALCUL N° 3
Comment : calculation n°3 (Receiver)
Creation date : 29-AUG-2008

Position : from (1527946.3m, 4519848.5m) to (1528297.3m, 4520115.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 9 | Ground floor ( 1.8 m) | 56.8 |
| 10 | Ground floor ( 1.8 m) | 53.1 |
| 11 | Ground floor ( 1.8 m) | 51.1 |
| 12 | Ground floor ( 1.8 m) | 51.2 |
| 13 | Ground floor ( 1.8 m) | 57.9 |

**TRONCO 3 KM 9-14,5 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 28-JUL-2008

Position : from (1530040.3m, 4519971.0m) to (1535565.5m, 4522074.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 61.9 |
| | First floor ( 3.6 m) | 63.6 |
| | Second floor ( 5.7 m) | 64.3 |
| 2 | Ground floor ( 1.8 m) | 69.7 |
| 3 | Ground floor ( 1.8 m) | 61.0 |
| 4 | Ground floor ( 1.8 m) | 54.6 |
| 5 | Ground floor ( 1.8 m) | 57.5 |
| 6 | Ground floor ( 1.8 m) | 52.9 |
| | First floor ( 4.1 m) | 55.3 |
| 7 | Ground floor ( 1.8 m) | 54.7 |
| | First floor ( 3.9 m) | 57.2 |
| | Second floor ( 6.3 m) | 58.2 |
| 8 | Ground floor ( 1.8 m) | 62.1 |

| | | |
|---|---|---|
| | First floor ( 4.5 m) | 65.3 |
| 9 | Ground floor ( 1.8 m) | 62.2 |
| | First floor ( 3.8 m) | 64.5 |
| 10 | Ground floor ( 1.8 m) | 61.3 |
| 11 | Ground floor ( 1.8 m) | 60.3 |
| 12 | Ground floor ( 1.8 m) | 59.1 |
| 13 | Ground floor ( 1.8 m) | 56.5 |
| 14 | Ground floor ( 1.8 m) | 55.6 |
| | First floor ( 3.8 m) | 55.6 |
| 15 | Ground floor ( 1.8 m) | 57.9 |
| 16 | Ground floor ( 1.8 m) | 59.0 |
| 17 | Ground floor ( 1.8 m) | 66.1 |
| 18 | Ground floor ( 1.8 m) | 58.5 |
| | First floor ( 3.6 m) | 59.5 |
| 19 | Ground floor ( 1.8 m) | 54.2 |
| | First floor ( 3.8 m) | 56.0 |
| 20 | Ground floor ( 1.8 m) | 53.9 |
| | First floor ( 3.6 m) | 56.2 |
| | Second floor ( 5.7 m) | 56.9 |
| 21 | Ground floor ( 1.8 m) | 54.6 |
| | First floor ( 3.9 m) | 56.0 |
| 22 | Ground floor ( 1.8 m) | 58.4 |
| | First floor ( 4.4 m) | 61.1 |
| 23 | Ground floor ( 1.8 m) | 58.4 |
| | First floor ( 3.8 m) | 60.8 |
| | Second floor ( 6.1 m) | 61.8 |
| | 3th floor ( 8.5 m) | 63.1 |
| 24 | Ground floor ( 1.8 m) | 62.5 |
| | First floor ( 3.9 m) | 64.1 |
| 25 | Ground floor ( 1.8 m) | 63.3 |
| | First floor ( 4.6 m) | 64.2 |
| 26 | Ground floor ( 1.8 m) | 52.8 |
| | First floor ( 3.9 m) | 54.7 |
| | Second floor ( 6.3 m) | 55.5 |
| 27 | Ground floor ( 1.8 m) | 60.4 |
| 28 | Ground floor ( 1.8 m) | 68.9 |
| | First floor ( 3.6 m) | 68.8 |
| 29 | Ground floor ( 1.8 m) | 54.3 |
| 30 | Ground floor ( 1.8 m) | 53.8 |
| 31 | Ground floor ( 1.8 m) | 54.1 |
| 32 | Ground floor ( 1.8 m) | 62.9 |
| | First floor ( 3.9 m) | 65.0 |
| 33 | Ground floor ( 1.8 m) | 56.1 |
| | First floor ( 3.9 m) | 59.0 |
| 34 | Ground floor ( 1.8 m) | 66.9 |
| | First floor ( 3.7 m) | 67.7 |
| | Second floor ( 6.0 m) | 67.7 |
| 35 | Ground floor ( 1.8 m) | 55.8 |
| 36 | Ground floor ( 1.8 m) | 53.2 |
| | First floor ( 3.4 m) | 54.2 |
| 37 | Ground floor ( 1.8 m) | 56.8 |

| | | |
|---|---|---|
| 38 | Ground floor ( 1.8 m) | 57.6 |
| 39 | Ground floor ( 1.8 m) | 56.4 |
| 40 | Ground floor ( 1.8 m) | 58.3 |
| 41 | Ground floor ( 1.8 m) | 56.5 |
| | First floor ( 4.0 m) | 57.2 |
| 42 | Ground floor ( 1.8 m) | 59.2 |
| | First floor ( 3.7 m) | 59.4 |
| 43 | Ground floor ( 1.8 m) | 62.5 |
| | First floor ( 3.4 m) | 64.1 |
| 44 | Ground floor ( 1.8 m) | 65.4 |
| | First floor ( 3.6 m) | 67.6 |
| 45 | Ground floor ( 1.8 m) | 57.6 |
| | First floor ( 3.5 m) | 58.2 |
| 46 | Ground floor ( 1.8 m) | 58.0 |
| | First floor ( 3.9 m) | 58.9 |
| 47 | Ground floor ( 1.8 m) | 67.1 |
| | First floor ( 3.7 m) | 67.3 |
| 48 | Ground floor ( 1.8 m) | 59.8 |
| 49 | Ground floor ( 1.8 m) | 59.2 |
| 50 | Ground floor ( 1.8 m) | 64.1 |
| | First floor ( 3.4 m) | 64.4 |
| 51 | Ground floor ( 1.8 m) | 57.4 |
| 52 | Ground floor ( 1.8 m) | 68.3 |
| | First floor ( 3.5 m) | 68.4 |
| 53 | Ground floor ( 1.8 m) | 59.3 |
| | First floor ( 4.0 m) | 61.6 |
| 54 | Ground floor ( 1.8 m) | 56.0 |
| 55 | Ground floor ( 1.8 m) | 57.4 |
| 56 | Ground floor ( 1.8 m) | 57.4 |
| 57 | Ground floor ( 1.8 m) | 57.9 |
| 58 | Ground floor ( 1.8 m) | 56.8 |
| 59 | Ground floor ( 1.8 m) | 57.3 |
| 60 | Ground floor ( 1.8 m) | 67.8 |
| 61 | Ground floor ( 1.8 m) | 70.6 |
| | First floor ( 3.6 m) | 70.5 |
| 62 | Ground floor ( 1.8 m) | 65.3 |
| 63 | Ground floor ( 1.8 m) | 55.8 |
| 64 | Ground floor ( 1.8 m) | 65.3 |
| 65 | Ground floor ( 1.8 m) | 61.0 |
| 66 | Ground floor ( 1.8 m) | 58.4 |
| 67 | Ground floor ( 1.8 m) | 54.7 |
| | First floor ( 3.9 m) | 55.8 |
| 68 | Ground floor ( 1.8 m) | 56.4 |
| | First floor ( 3.5 m) | 57.2 |
| 69 | Ground floor ( 1.8 m) | 58.3 |
| 70 | Ground floor ( 1.8 m) | 54.8 |
| 71 | Ground floor ( 1.8 m) | 63.4 |
| 72 | Ground floor ( 1.8 m) | 63.1 |
| 73 | Ground floor ( 1.8 m) | 61.9 |
| 74 | Ground floor ( 1.8 m) | 66.0 |
| 75 | Ground floor ( 1.8 m) | 63.6 |

| | | |
|---|---|---|
| 76 | Ground floor ( 1.8 m) | 58.6 |
| 77 | Ground floor ( 1.8 m) | 56.9 |
| | First floor ( 3.5 m) | 56.9 |
| 78 | Ground floor ( 1.8 m) | 69.7 |
| | First floor ( 3.9 m) | 69.7 |
| | Second floor ( 6.3 m) | 69.3 |
| 79 | Ground floor ( 1.8 m) | 62.9 |
| | First floor ( 4.2 m) | 63.4 |
| 80 | Ground floor ( 1.8 m) | 60.1 |
| | First floor ( 3.4 m) | 60.1 |
| 81 | Ground floor ( 1.8 m) | 61.2 |
| | First floor ( 4.0 m) | 61.5 |
| 82 | Ground floor ( 1.8 m) | 56.8 |
| 83 | Ground floor ( 1.8 m) | 56.9 |
| | First floor ( 4.0 m) | 57.5 |
| 84 | Ground floor ( 1.8 m) | 60.6 |
| | First floor ( 3.6 m) | 62.3 |
| | Second floor ( 5.7 m) | 63.1 |
| 85 | Ground floor ( 1.8 m) | 57.3 |
| | First floor ( 3.5 m) | 57.3 |
| 86 | Ground floor ( 1.8 m) | 62.4 |
| 87 | Ground floor ( 1.8 m) | 57.8 |
| | First floor ( 3.5 m) | 58.3 |
| 88 | Ground floor ( 1.8 m) | 58.0 |
| 89 | Ground floor ( 1.8 m) | 61.1 |
| | First floor ( 3.7 m) | 61.5 |
| | Second floor ( 5.9 m) | 61.7 |
| 90 | Ground floor ( 1.8 m) | 56.4 |
| | First floor ( 4.3 m) | 56.8 |
| 91 | Ground floor ( 1.8 m) | 56.3 |
| 92 | Ground floor ( 1.8 m) | 58.3 |
| 93 | Ground floor ( 1.8 m) | 55.4 |
| 94 | Ground floor ( 1.8 m) | 52.9 |
| 95 | Ground floor ( 1.8 m) | 64.7 |
| 96 | Ground floor ( 1.8 m) | 52.9 |
| 97 | Ground floor ( 1.8 m) | 51.6 |
| | First floor ( 3.7 m) | 54.8 |
| | Second floor ( 5.9 m) | 57.4 |
| 98 | Ground floor ( 1.8 m) | 52.1 |
| 99 | Ground floor ( 1.8 m) | 56.9 |
| | First floor ( 3.7 m) | 59.9 |
| 100 | Ground floor ( 1.8 m) | 50.8 |
| 101 | Ground floor ( 1.8 m) | 52.7 |

**TRONCO 3 KM 9-14,5 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 28-JUL-2008

Position : from (1530063.5m, 4519988.5m) to (1535553.9m, 4522103.5m)

Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 53.8 |
| | First floor ( 3.6 m) | 55.4 |
| | Second floor ( 5.7 m) | 56.1 |
| 2 | Ground floor ( 1.8 m) | 61.6 |
| 3 | Ground floor ( 1.8 m) | 52.9 |
| 4 | Ground floor ( 1.8 m) | 46.5 |
| 5 | Ground floor ( 1.8 m) | 49.4 |
| 6 | Ground floor ( 1.8 m) | 44.8 |
| | First floor ( 4.1 m) | 47.3 |
| 7 | Ground floor ( 1.8 m) | 46.6 |
| | First floor ( 3.9 m) | 49.1 |
| | Second floor ( 6.3 m) | 50.1 |
| 8 | Ground floor ( 1.8 m) | 54.0 |
| | First floor ( 4.5 m) | 57.2 |
| 9 | Ground floor ( 1.8 m) | 54.1 |
| | First floor ( 3.8 m) | 56.4 |
| 10 | Ground floor ( 1.8 m) | 53.2 |
| 11 | Ground floor ( 1.8 m) | 52.1 |
| 12 | Ground floor ( 1.8 m) | 51.0 |
| 13 | Ground floor ( 1.8 m) | 48.4 |
| 14 | Ground floor ( 1.8 m) | 47.4 |
| | First floor ( 3.8 m) | 47.5 |
| 15 | Ground floor ( 1.8 m) | 49.8 |
| 16 | Ground floor ( 1.8 m) | 50.9 |
| 17 | Ground floor ( 1.8 m) | 58.0 |
| 18 | Ground floor ( 1.8 m) | 50.3 |
| | First floor ( 3.6 m) | 51.4 |
| 19 | Ground floor ( 1.8 m) | 46.1 |
| | First floor ( 3.8 m) | 47.8 |
| 20 | Ground floor ( 1.8 m) | 45.8 |
| | First floor ( 3.6 m) | 48.1 |
| | Second floor ( 5.7 m) | 48.8 |
| 21 | Ground floor ( 1.8 m) | 46.5 |
| | First floor ( 3.9 m) | 47.8 |
| 22 | Ground floor ( 1.8 m) | 50.3 |
| | First floor ( 4.4 m) | 53.0 |
| 23 | Ground floor ( 1.8 m) | 50.3 |
| | First floor ( 3.8 m) | 52.7 |
| | Second floor ( 6.1 m) | 53.6 |
| | 3th floor ( 8.5 m) | 55.0 |
| 24 | Ground floor ( 1.8 m) | 54.4 |
| | First floor ( 3.9 m) | 56.0 |
| 25 | Ground floor ( 1.8 m) | 55.2 |
| | First floor ( 4.6 m) | 56.1 |
| 26 | Ground floor ( 1.8 m) | 44.7 |
| | First floor ( 3.9 m) | 46.6 |
| | Second floor ( 6.3 m) | 47.4 |

| | | |
|---|---|---|
| 27 | Ground floor ( 1.8 m) | 52.3 |
| 28 | Ground floor ( 1.8 m) | 60.8 |
| | First floor ( 3.6 m) | 60.7 |
| 29 | Ground floor ( 1.8 m) | 46.2 |
| 30 | Ground floor ( 1.8 m) | 45.7 |
| 31 | Ground floor ( 1.8 m) | 46.0 |
| 32 | Ground floor ( 1.8 m) | 54.8 |
| | First floor ( 3.9 m) | 56.9 |
| 33 | Ground floor ( 1.8 m) | 48.0 |
| | First floor ( 3.9 m) | 50.9 |
| 34 | Ground floor ( 1.8 m) | 58.8 |
| | First floor ( 3.7 m) | 59.6 |
| | Second floor ( 6.0 m) | 59.6 |
| 35 | Ground floor ( 1.8 m) | 47.7 |
| 36 | Ground floor ( 1.8 m) | 45.1 |
| | First floor ( 3.4 m) | 46.1 |
| 37 | Ground floor ( 1.8 m) | 48.7 |
| 38 | Ground floor ( 1.8 m) | 49.5 |
| 39 | Ground floor ( 1.8 m) | 48.3 |
| 40 | Ground floor ( 1.8 m) | 50.2 |
| 41 | Ground floor ( 1.8 m) | 48.4 |
| | First floor ( 4.0 m) | 49.2 |
| 42 | Ground floor ( 1.8 m) | 51.1 |
| | First floor ( 3.7 m) | 51.3 |
| 43 | Ground floor ( 1.8 m) | 54.4 |
| | First floor ( 3.4 m) | 56.0 |
| 44 | Ground floor ( 1.8 m) | 57.3 |
| | First floor ( 3.6 m) | 59.5 |
| 45 | Ground floor ( 1.8 m) | 49.5 |
| | First floor ( 3.5 m) | 50.1 |
| 46 | Ground floor ( 1.8 m) | 49.9 |
| | First floor ( 3.9 m) | 50.8 |
| 47 | Ground floor ( 1.8 m) | 59.0 |
| | First floor ( 3.7 m) | 59.2 |
| 48 | Ground floor ( 1.8 m) | 51.7 |
| 49 | Ground floor ( 1.8 m) | 51.2 |
| 50 | Ground floor ( 1.8 m) | 56.0 |
| | First floor ( 3.4 m) | 56.4 |
| 51 | Ground floor ( 1.8 m) | 49.3 |
| 52 | Ground floor ( 1.8 m) | 60.2 |
| | First floor ( 3.5 m) | 60.3 |
| 53 | Ground floor ( 1.8 m) | 51.2 |
| | First floor ( 4.0 m) | 53.5 |
| 54 | Ground floor ( 1.8 m) | 47.9 |
| 55 | Ground floor ( 1.8 m) | 49.3 |
| 56 | Ground floor ( 1.8 m) | 49.4 |
| 57 | Ground floor ( 1.8 m) | 49.8 |
| 58 | Ground floor ( 1.8 m) | 48.7 |
| 59 | Ground floor ( 1.8 m) | 49.1 |
| 60 | Ground floor ( 1.8 m) | 59.6 |
| 61 | Ground floor ( 1.8 m) | 62.5 |

| | | |
|---|---|---|
| | First floor ( 3.6 m) | 62.4 |
| 62 | Ground floor ( 1.8 m) | 57.1 |
| 63 | Ground floor ( 1.8 m) | 47.6 |
| 64 | Ground floor ( 1.8 m) | 57.2 |
| 65 | Ground floor ( 1.8 m) | 52.9 |
| 66 | Ground floor ( 1.8 m) | 50.3 |
| 67 | Ground floor ( 1.8 m) | 46.5 |
| | First floor ( 3.9 m) | 47.7 |
| 68 | Ground floor ( 1.8 m) | 48.3 |
| | First floor ( 3.5 m) | 49.0 |
| 69 | Ground floor ( 1.8 m) | 50.2 |
| 70 | Ground floor ( 1.8 m) | 46.7 |
| 71 | Ground floor ( 1.8 m) | 55.3 |
| 72 | Ground floor ( 1.8 m) | 55.0 |
| 73 | Ground floor ( 1.8 m) | 53.8 |
| 74 | Ground floor ( 1.8 m) | 57.9 |
| 75 | Ground floor ( 1.8 m) | 55.5 |
| 76 | Ground floor ( 1.8 m) | 50.5 |
| 77 | Ground floor ( 1.8 m) | 48.8 |
| | First floor ( 3.5 m) | 48.8 |
| 78 | Ground floor ( 1.8 m) | 61.6 |
| | First floor ( 3.9 m) | 61.6 |
| | Second floor ( 6.3 m) | 61.2 |
| 79 | Ground floor ( 1.8 m) | 54.8 |
| | First floor ( 4.2 m) | 55.3 |
| 80 | Ground floor ( 1.8 m) | 52.0 |
| | First floor ( 3.4 m) | 52.0 |
| 81 | Ground floor ( 1.8 m) | 53.1 |
| | First floor ( 4.0 m) | 53.4 |
| 82 | Ground floor ( 1.8 m) | 48.7 |
| 83 | Ground floor ( 1.8 m) | 48.8 |
| | First floor ( 4.0 m) | 49.4 |
| 84 | Ground floor ( 1.8 m) | 52.5 |
| | First floor ( 3.6 m) | 54.2 |
| | Second floor ( 5.7 m) | 55.0 |
| 85 | Ground floor ( 1.8 m) | 49.2 |
| | First floor ( 3.5 m) | 49.2 |
| 86 | Ground floor ( 1.8 m) | 54.3 |
| 87 | Ground floor ( 1.8 m) | 49.7 |
| | First floor ( 3.5 m) | 50.3 |
| 88 | Ground floor ( 1.8 m) | 49.9 |
| 89 | Ground floor ( 1.8 m) | 53.1 |
| | First floor ( 3.7 m) | 53.4 |
| | Second floor ( 5.9 m) | 53.6 |
| 90 | Ground floor ( 1.8 m) | 48.3 |
| | First floor ( 4.3 m) | 48.7 |
| 91 | Ground floor ( 1.8 m) | 48.2 |
| 92 | Ground floor ( 1.8 m) | 50.2 |
| 93 | Ground floor ( 1.8 m) | 47.2 |
| 94 | Ground floor ( 1.8 m) | 44.7 |
| 95 | Ground floor ( 1.8 m) | 56.5 |

| | | |
|---|---|---|
| 96 | Ground floor ( 1.8 m) | 44.8 |
| 97 | Ground floor ( 1.8 m) | 43.5 |
| | First floor ( 3.7 m) | 46.7 |
| | Second floor ( 5.9 m) | 49.3 |
| 98 | Ground floor ( 1.8 m) | 44.0 |
| 99 | Ground floor ( 1.8 m) | 48.8 |
| | First floor ( 3.7 m) | 51.8 |
| 100 | Ground floor ( 1.8 m) | 42.7 |
| 101 | Ground floor ( 1.8 m) | 44.6 |

**TRONCO 3 KM 9-14,5 NOTTURNO POST OPERAM CON MITIGAZIONE**

CALCUL N° 4
Comment : calculation n°4 (Receiver)
Creation date : 29-JUL-2008

Position : from (1532776.0m, 4520711.5m) to (1533160.0m, 4521032.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 5 | Ground floor ( 1.8 m) | 49.4 |
| 6 | Ground floor ( 1.8 m) | 45.0 |
| | First floor ( 4.1 m) | 47.4 |
| 7 | Ground floor ( 1.8 m) | 46.7 |
| | First floor ( 3.9 m) | 49.2 |
| | Second floor ( 6.3 m) | 50.3 |
| 8 | Ground floor ( 1.8 m) | 54.3 |
| | First floor ( 4.5 m) | 57.4 |
| 9 | Ground floor ( 1.8 m) | 54.2 |
| | First floor ( 3.8 m) | 56.6 |
| 10 | Ground floor ( 1.8 m) | 53.2 |
| 78 | Ground floor ( 1.8 m) | 54.9 |
| | First floor ( 3.9 m) | 58.6 |
| | Second floor ( 6.3 m) | 59.9 |

CALCUL N° 5
Comment : calculation n°5 (Receiver)
Creation date : 29-JUL-2008

Position : from (1534510.8m, 4521434.0m) to (1534967.6m, 4521738.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 52 | Ground floor ( 1.8 m) | 58.5 |
| | First floor ( 3.5 m) | 59.7 |
| 53 | Ground floor ( 1.8 m) | 51.1 |
| | First floor ( 4.0 m) | 53.4 |

CALCUL N° 6

Comment : calculation n°6 (Receiver)
Creation date : 29-JUL-2008

Position : from (1530799.9m, 4520390.0m) to (1531084.3m, 4520596.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 61 | Ground floor ( 1.8 m) | 56.6 |
| | First floor ( 3.6 m) | 59.9 |
| 62 | Ground floor ( 1.8 m) | 52.1 |

CALCUL N° 7
Comment : calculation n°7 (Receiver)
Creation date : 30-JUL-2008

Position : from (1533409.5m, 4520934.5m) to (1534053.1m, 4521385.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 16 | Ground floor ( 1.8 m) | 50.9 |
| 17 | Ground floor ( 1.8 m) | 57.9 |
| 18 | Ground floor ( 1.8 m) | 50.3 |
| | First floor ( 3.6 m) | 51.4 |
| 19 | Ground floor ( 1.8 m) | 46.0 |
| | First floor ( 3.8 m) | 47.8 |
| 20 | Ground floor ( 1.8 m) | 45.8 |
| | First floor ( 3.6 m) | 48.1 |
| | Second floor ( 5.7 m) | 48.8 |
| 21 | Ground floor ( 1.8 m) | 46.5 |
| | First floor ( 3.9 m) | 47.8 |
| 22 | Ground floor ( 1.8 m) | 50.3 |
| | First floor ( 4.4 m) | 52.9 |
| 23 | Ground floor ( 1.8 m) | 50.0 |
| | First floor ( 3.8 m) | 52.3 |
| | Second floor ( 6.1 m) | 53.4 |
| | 3th floor ( 8.5 m) | 54.7 |
| 24 | Ground floor ( 1.8 m) | 54.0 |
| | First floor ( 3.9 m) | 55.7 |
| 25 | Ground floor ( 1.8 m) | 54.1 |
| | First floor ( 4.6 m) | 55.3 |
| 26 | Ground floor ( 1.8 m) | 44.5 |
| | First floor ( 3.9 m) | 46.4 |
| | Second floor ( 6.3 m) | 46.9 |
| 27 | Ground floor ( 1.8 m) | 51.1 |
| 28 | Ground floor ( 1.8 m) | 58.8 |
| | First floor ( 3.6 m) | 59.7 |
| 29 | Ground floor ( 1.8 m) | 46.1 |
| 30 | Ground floor ( 1.8 m) | 45.6 |
| 31 | Ground floor ( 1.8 m) | 45.9 |

| | | |
|---|---|---|
| 32 | Ground floor ( 1.8 m) | 52.6 |
| | First floor ( 3.9 m) | 54.5 |
| 33 | Ground floor ( 1.8 m) | 47.8 |
| | First floor ( 3.9 m) | 50.7 |
| 34 | Ground floor ( 1.8 m) | 57.9 |
| | First floor ( 3.7 m) | 58.8 |
| | Second floor ( 6.0 m) | 58.8 |
| 35 | Ground floor ( 1.8 m) | 47.5 |
| 36 | Ground floor ( 1.8 m) | 45.0 |
| | First floor ( 3.4 m) | 46.0 |
| 37 | Ground floor ( 1.8 m) | 48.6 |
| 38 | Ground floor ( 1.8 m) | 49.4 |
| 39 | Ground floor ( 1.8 m) | 48.2 |
| 40 | Ground floor ( 1.8 m) | 49.9 |
| 41 | Ground floor ( 1.8 m) | 48.0 |
| | First floor ( 4.0 m) | 48.9 |
| 42 | Ground floor ( 1.8 m) | 50.9 |
| | First floor ( 3.7 m) | 51.1 |
| 84 | Ground floor ( 1.8 m) | 52.7 |
| | First floor ( 3.6 m) | 54.3 |
| | Second floor ( 5.7 m) | 55.3 |
| 92 | Ground floor ( 1.8 m) | 50.2 |
| 93 | Ground floor ( 1.8 m) | 47.3 |
| 94 | Ground floor ( 1.8 m) | 44.7 |
| 95 | Ground floor ( 1.8 m) | 56.5 |
| 96 | Ground floor ( 1.8 m) | 44.2 |
| 97 | Ground floor ( 1.8 m) | 43.2 |
| | First floor ( 3.7 m) | 46.1 |
| | Second floor ( 5.9 m) | 47.7 |
| 98 | Ground floor ( 1.8 m) | 43.8 |
| 99 | Ground floor ( 1.8 m) | 47.8 |
| | First floor ( 3.7 m) | 50.2 |
| 100 | Ground floor ( 1.8 m) | 42.3 |
| 101 | Ground floor ( 1.8 m) | 44.6 |

CALCUL N° 8
Comment : calculation n°8 (Receiver)
Creation date : 30-JUL-2008

Position : from (1533870.8m, 4521075.0m) to (1534527.5m, 4521635.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 43 | Ground floor ( 1.8 m) | 54.2 |
| | First floor ( 3.4 m) | 55.8 |
| 44 | Ground floor ( 1.8 m) | 52.7 |
| | First floor ( 3.6 m) | 54.3 |
| 45 | Ground floor ( 1.8 m) | 48.3 |
| | First floor ( 3.5 m) | 48.9 |
| 46 | Ground floor ( 1.8 m) | 48.7 |

| | | |
|---|---|---|
| | First floor ( 3.9 m) | 49.6 |
| 47 | Ground floor ( 1.8 m) | 54.9 |
| | First floor ( 3.7 m) | 54.7 |
| 48 | Ground floor ( 1.8 m) | 50.6 |
| 49 | Ground floor ( 1.8 m) | 50.2 |
| 50 | Ground floor ( 1.8 m) | 56.0 |
| | First floor ( 3.4 m) | 56.3 |
| 51 | Ground floor ( 1.8 m) | 49.1 |
| 86 | Ground floor ( 1.8 m) | 54.6 |

**TRONCO 3 KM 14,5-17,5 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 29-JUL-2008

Position : from (1535205.3m, 4521712.5m) to (1538109.8m, 4523687.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 57.7 |
| 2 | Ground floor ( 1.8 m) | 55.9 |
| | First floor ( 3.9 m) | 56.3 |
| | Second floor ( 6.3 m) | 56.3 |
| 3 | Ground floor ( 1.8 m) | 62.4 |
| | First floor ( 3.7 m) | 63.5 |
| 4 | Ground floor ( 1.8 m) | 53.8 |
| 5 | Ground floor ( 1.8 m) | 53.5 |
| | First floor ( 3.4 m) | 55.5 |
| 6 | Ground floor ( 1.8 m) | 53.3 |
| | First floor ( 3.5 m) | 55.3 |
| 7 | Ground floor ( 1.8 m) | 65.4 |
| | First floor ( 4.0 m) | 65.1 |
| 8 | Ground floor ( 1.8 m) | 59.0 |
| 9 | Ground floor ( 1.8 m) | 59.8 |
| 10 | Ground floor ( 1.8 m) | 56.8 |
| | First floor ( 4.5 m) | 58.0 |
| 11 | Ground floor ( 1.8 m) | 56.4 |
| | First floor ( 4.4 m) | 57.4 |
| 12 | Ground floor ( 1.8 m) | 56.0 |
| | First floor ( 3.7 m) | 56.1 |
| 13 | Ground floor ( 1.8 m) | 55.0 |
| | First floor ( 4.0 m) | 55.4 |
| 14 | Ground floor ( 1.8 m) | 55.3 |
| | First floor ( 3.5 m) | 55.3 |
| 15 | Ground floor ( 1.8 m) | 53.9 |
| 16 | Ground floor ( 1.8 m) | 53.9 |
| | First floor ( 3.4 m) | 54.4 |
| 17 | Ground floor ( 1.8 m) | 50.5 |
| | First floor ( 3.5 m) | 51.7 |
| 18 | Ground floor ( 1.8 m) | 49.2 |

| | | |
|---|---|---|
| 19 | Ground floor ( 1.8 m) | 51.0 |
| | First floor ( 4.0 m) | 53.2 |
| 20 | Ground floor ( 1.8 m) | 49.6 |
| | First floor ( 4.2 m) | 52.0 |
| 21 | Ground floor ( 1.8 m) | 49.5 |
| | First floor ( 3.9 m) | 51.9 |
| 22 | Ground floor ( 1.8 m) | 51.9 |
| | First floor ( 4.4 m) | 54.5 |
| 23 | Ground floor ( 1.8 m) | 51.7 |
| 24 | Ground floor ( 1.8 m) | 53.4 |
| 25 | Ground floor ( 1.8 m) | 51.8 |
| | First floor ( 3.6 m) | 52.6 |
| 26 | Ground floor ( 1.8 m) | 54.0 |
| 27 | Ground floor ( 1.8 m) | 59.3 |
| | First floor ( 3.9 m) | 60.4 |
| 28 | Ground floor ( 1.8 m) | 54.2 |
| 29 | Ground floor ( 1.8 m) | 48.2 |
| 30 | Ground floor ( 1.8 m) | 52.9 |
| | First floor ( 3.8 m) | 53.7 |
| 31 | Ground floor ( 1.8 m) | 54.1 |
| | First floor ( 3.4 m) | 53.8 |
| 32 | Ground floor ( 1.8 m) | 57.3 |
| | First floor ( 4.0 m) | 60.6 |
| 33 | Ground floor ( 1.8 m) | 56.9 |
| 34 | Ground floor ( 1.8 m) | 60.3 |
| 35 | Ground floor ( 1.8 m) | 60.7 |
| | First floor ( 4.1 m) | 62.2 |
| 36 | Ground floor ( 1.8 m) | 62.3 |
| 37 | Ground floor ( 1.8 m) | 64.4 |
| 38 | Ground floor ( 1.8 m) | 56.9 |
| 39 | Ground floor ( 1.8 m) | 62.6 |
| 40 | Ground floor ( 1.8 m) | 59.0 |
| | First floor ( 3.5 m) | 59.2 |
| 41 | Ground floor ( 1.8 m) | 56.5 |
| 42 | Ground floor ( 1.8 m) | 58.1 |
| 43 | Ground floor ( 1.8 m) | 58.6 |
| 44 | Ground floor ( 1.8 m) | 60.0 |
| 45 | Ground floor ( 1.8 m) | 60.3 |
| 46 | Ground floor ( 1.8 m) | 60.8 |
| | First floor ( 4.1 m) | 62.0 |
| 47 | Ground floor ( 1.8 m) | 60.1 |
| | First floor ( 3.9 m) | 60.5 |
| | Second floor ( 6.4 m) | 60.7 |
| 48 | Ground floor ( 1.8 m) | 57.2 |
| 49 | Ground floor ( 1.8 m) | 63.3 |
| 50 | Ground floor ( 1.8 m) | 59.9 |
| 51 | Ground floor ( 1.8 m) | 64.4 |
| 52 | Ground floor ( 1.8 m) | 57.5 |
| | First floor ( 3.6 m) | 57.8 |
| 53 | Ground floor ( 1.8 m) | 55.5 |
| 54 | Ground floor ( 1.8 m) | 60.4 |

| | | |
|---|---|---|
| 55 | Ground floor ( 1.8 m) | 59.9 |
| | First floor ( 4.2 m) | 60.4 |
| 56 | Ground floor ( 1.8 m) | 57.0 |

**TRONCO 3 KM 14,5-17,5 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 29-JUL-2008

Position : from (1535208.6m, 4521712.5m) to (1538123.4m, 4523684.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 49.6 |
| 2 | Ground floor ( 1.8 m) | 47.8 |
| | First floor ( 3.9 m) | 48.2 |
| | Second floor ( 6.3 m) | 48.2 |
| 3 | Ground floor ( 1.8 m) | 54.3 |
| | First floor ( 3.7 m) | 55.5 |
| 4 | Ground floor ( 1.8 m) | 45.7 |
| 5 | Ground floor ( 1.8 m) | 45.4 |
| | First floor ( 3.4 m) | 47.4 |
| 6 | Ground floor ( 1.8 m) | 45.2 |
| | First floor ( 3.5 m) | 47.2 |
| 7 | Ground floor ( 1.8 m) | 57.3 |
| | First floor ( 4.0 m) | 57.0 |
| 8 | Ground floor ( 1.8 m) | 51.0 |
| 9 | Ground floor ( 1.8 m) | 51.7 |
| 10 | Ground floor ( 1.8 m) | 48.7 |
| | First floor ( 4.5 m) | 50.0 |
| 11 | Ground floor ( 1.8 m) | 48.3 |
| | First floor ( 4.4 m) | 49.3 |
| 12 | Ground floor ( 1.8 m) | 48.0 |
| | First floor ( 3.7 m) | 48.1 |
| 13 | Ground floor ( 1.8 m) | 46.9 |
| | First floor ( 4.0 m) | 47.3 |
| 14 | Ground floor ( 1.8 m) | 47.2 |
| | First floor ( 3.5 m) | 47.2 |
| 15 | Ground floor ( 1.8 m) | 45.8 |
| 16 | Ground floor ( 1.8 m) | 45.8 |
| | First floor ( 3.4 m) | 46.3 |
| 17 | Ground floor ( 1.8 m) | 42.4 |
| | First floor ( 3.5 m) | 43.6 |
| 18 | Ground floor ( 1.8 m) | 41.1 |
| 19 | Ground floor ( 1.8 m) | 42.9 |
| | First floor ( 4.0 m) | 45.1 |
| 20 | Ground floor ( 1.8 m) | 41.5 |
| | First floor ( 4.2 m) | 43.9 |
| 21 | Ground floor ( 1.8 m) | 41.4 |

| | | |
|---|---|---|
| | First floor ( 3.9 m) | 43.8 |
| 22 | Ground floor ( 1.8 m) | 43.8 |
| | First floor ( 4.4 m) | 46.4 |
| 23 | Ground floor ( 1.8 m) | 43.6 |
| 24 | Ground floor ( 1.8 m) | 45.3 |
| 25 | Ground floor ( 1.8 m) | 43.8 |
| | First floor ( 3.6 m) | 44.5 |
| 26 | Ground floor ( 1.8 m) | 45.9 |
| 27 | Ground floor ( 1.8 m) | 51.2 |
| | First floor ( 3.9 m) | 52.3 |
| 28 | Ground floor ( 1.8 m) | 46.1 |
| 29 | Ground floor ( 1.8 m) | 40.1 |
| 30 | Ground floor ( 1.8 m) | 44.8 |
| | First floor ( 3.8 m) | 45.6 |
| 31 | Ground floor ( 1.8 m) | 46.0 |
| | First floor ( 3.4 m) | 45.7 |
| 32 | Ground floor ( 1.8 m) | 49.2 |
| | First floor ( 4.0 m) | 52.5 |
| 33 | Ground floor ( 1.8 m) | 48.8 |
| 34 | Ground floor ( 1.8 m) | 52.2 |
| 35 | Ground floor ( 1.8 m) | 52.6 |
| | First floor ( 4.1 m) | 54.1 |
| 36 | Ground floor ( 1.8 m) | 54.3 |
| 37 | Ground floor ( 1.8 m) | 56.3 |
| 38 | Ground floor ( 1.8 m) | 48.8 |
| 39 | Ground floor ( 1.8 m) | 54.5 |
| 40 | Ground floor ( 1.8 m) | 50.9 |
| | First floor ( 3.5 m) | 51.1 |
| 41 | Ground floor ( 1.8 m) | 48.4 |
| 42 | Ground floor ( 1.8 m) | 50.0 |
| 43 | Ground floor ( 1.8 m) | 50.5 |
| 44 | Ground floor ( 1.8 m) | 51.9 |
| 45 | Ground floor ( 1.8 m) | 52.3 |
| 46 | Ground floor ( 1.8 m) | 52.7 |
| | First floor ( 4.1 m) | 54.0 |
| 47 | Ground floor ( 1.8 m) | 52.0 |
| | First floor ( 3.9 m) | 52.4 |
| | Second floor ( 6.4 m) | 52.6 |
| 48 | Ground floor ( 1.8 m) | 49.1 |
| 49 | Ground floor ( 1.8 m) | 55.2 |
| 50 | Ground floor ( 1.8 m) | 51.8 |
| 51 | Ground floor ( 1.8 m) | 56.3 |
| 52 | Ground floor ( 1.8 m) | 49.4 |
| | First floor ( 3.6 m) | 49.7 |
| 53 | Ground floor ( 1.8 m) | 47.4 |
| 54 | Ground floor ( 1.8 m) | 52.3 |
| 55 | Ground floor ( 1.8 m) | 51.8 |
| | First floor ( 4.2 m) | 52.3 |
| 56 | Ground floor ( 1.8 m) | 48.9 |

**TRONCO 3 KM 19-21 DIURNO POST OPERAM**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 28-JUL-2008

Position : from (1538523.1m, 4524654.0m) to (1540280.0m, 4526455.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 59.6 |
| 2 | Ground floor ( 1.8 m) | 65.4 |
| 3 | Ground floor ( 1.8 m) | 57.5 |
| | First floor ( 4.2 m) | 58.0 |
| 4 | Ground floor ( 1.8 m) | 57.4 |
| 5 | Ground floor ( 1.8 m) | 57.1 |
| 6 | Ground floor ( 1.8 m) | 59.3 |
| | First floor ( 3.6 m) | 60.1 |
| 7 | Ground floor ( 1.8 m) | 59.0 |
| 8 | Ground floor ( 1.8 m) | 64.4 |
| 9 | Ground floor ( 1.8 m) | 60.7 |
| | First floor ( 3.9 m) | 61.2 |
| 10 | Ground floor ( 1.8 m) | 60.8 |
| 11 | Ground floor ( 1.8 m) | 60.4 |
| 12 | Ground floor ( 1.8 m) | 59.1 |
| | First floor ( 3.7 m) | 59.9 |
| 13 | Ground floor ( 1.8 m) | 54.8 |
| 14 | Ground floor ( 1.8 m) | 55.9 |
| 15 | Ground floor ( 1.8 m) | 55.6 |
| | First floor ( 3.7 m) | 56.9 |
| 16 | Ground floor ( 1.8 m) | 56.6 |
| 17 | Ground floor ( 1.8 m) | 57.4 |
| 18 | Ground floor ( 1.8 m) | 57.4 |
| | First floor ( 3.4 m) | 58.0 |
| 19 | Ground floor ( 1.8 m) | 59.0 |
| 20 | Ground floor ( 1.8 m) | 53.5 |
| | First floor ( 3.8 m) | 55.0 |
| 21 | Ground floor ( 1.8 m) | 55.6 |
| 22 | Ground floor ( 1.8 m) | 57.9 |
| | First floor ( 3.4 m) | 58.2 |
| 23 | Ground floor ( 1.8 m) | 58.9 |
| 24 | Ground floor ( 1.8 m) | 58.1 |
| 25 | Ground floor ( 1.8 m) | 59.6 |
| 26 | Ground floor ( 1.8 m) | 54.4 |
| 27 | Ground floor ( 1.8 m) | 56.0 |
| 28 | Ground floor ( 1.8 m) | 57.4 |

**TRONCO 3 KM 19-21 NOTTURNO POST OPERAM**
CALCUL N° 2
Comment : calculation n°2 (Receiver)

Creation date : 28-JUL-2008

Position : from (1538538.0m, 4524660.0m) to (1540268.1m, 4526446.5m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 51.5 |
| 2 | Ground floor ( 1.8 m) | 57.3 |
| 3 | Ground floor ( 1.8 m) | 49.4 |
| | First floor ( 4.2 m) | 49.9 |
| 4 | Ground floor ( 1.8 m) | 49.3 |
| 5 | Ground floor ( 1.8 m) | 49.1 |
| 6 | Ground floor ( 1.8 m) | 51.2 |
| | First floor ( 3.6 m) | 52.0 |
| 7 | Ground floor ( 1.8 m) | 50.9 |
| 8 | Ground floor ( 1.8 m) | 56.3 |
| 9 | Ground floor ( 1.8 m) | 52.6 |
| | First floor ( 3.9 m) | 53.1 |
| 10 | Ground floor ( 1.8 m) | 52.7 |
| 11 | Ground floor ( 1.8 m) | 52.4 |
| 12 | Ground floor ( 1.8 m) | 51.0 |
| | First floor ( 3.7 m) | 51.8 |
| 13 | Ground floor ( 1.8 m) | 46.7 |
| 14 | Ground floor ( 1.8 m) | 47.8 |
| 15 | Ground floor ( 1.8 m) | 47.5 |
| | First floor ( 3.7 m) | 48.8 |
| 16 | Ground floor ( 1.8 m) | 48.5 |
| 17 | Ground floor ( 1.8 m) | 49.3 |
| 18 | Ground floor ( 1.8 m) | 49.3 |
| | First floor ( 3.4 m) | 49.9 |
| 19 | Ground floor ( 1.8 m) | 50.9 |
| 20 | Ground floor ( 1.8 m) | 45.5 |
| | First floor ( 3.8 m) | 46.9 |
| 21 | Ground floor ( 1.8 m) | 47.5 |
| 22 | Ground floor ( 1.8 m) | 49.9 |
| | First floor ( 3.4 m) | 50.2 |
| 23 | Ground floor ( 1.8 m) | 50.8 |
| 24 | Ground floor ( 1.8 m) | 50.0 |
| 25 | Ground floor ( 1.8 m) | 51.5 |
| 26 | Ground floor ( 1.8 m) | 46.3 |
| 27 | Ground floor ( 1.8 m) | 47.9 |
| 28 | Ground floor ( 1.8 m) | 49.3 |

**TRONCO 3 CANTIERE AL KM 15,3 CORSO D'OPERA DIURNO**
CALCUL N° 2
Comment : calculation n°2 (Receiver)
Creation date : 6-AUG-2008

Position : from (1535245.3m, 4521884.0m) to (1536857.6m, 4523062.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq

Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 46.8 |
| 2 | Ground floor ( 1.8 m) | 50.2 |
| 3 | Ground floor ( 1.8 m) | 51.8 |
| | First floor ( 3.4 m) | 54.5 |
| 4 | Ground floor ( 1.8 m) | 51.7 |
| | First floor ( 3.5 m) | 54.0 |
| 5 | Ground floor ( 1.8 m) | 59.2 |
| | First floor ( 3.5 m) | 59.2 |
| 6 | Ground floor ( 1.8 m) | 53.5 |
| | First floor ( 3.4 m) | 55.0 |
| 7 | Ground floor ( 1.8 m) | 57.8 |
| 8 | Ground floor ( 1.8 m) | 57.0 |
| | First floor ( 4.0 m) | 57.8 |
| 9 | Ground floor ( 1.8 m) | 50.6 |
| | First floor ( 3.9 m) | 55.2 |
| 10 | Ground floor ( 1.8 m) | 51.4 |
| | First floor ( 3.9 m) | 52.8 |
| 11 | Ground floor ( 1.8 m) | 41.6 |
| | First floor ( 3.5 m) | 47.8 |
| 12 | Ground floor ( 1.8 m) | 40.6 |
| | First floor ( 4.2 m) | 43.5 |
| 13 | Ground floor ( 1.8 m) | 50.4 |
| | First floor ( 4.4 m) | 56.2 |
| 14 | Ground floor ( 1.8 m) | 52.9 |
| 15 | Ground floor ( 1.8 m) | 50.1 |
| 16 | Ground floor ( 1.8 m) | 49.7 |
| 17 | Ground floor ( 1.8 m) | 48.1 |
| | First floor ( 3.8 m) | 48.7 |
| 18 | Ground floor ( 1.8 m) | 50.2 |
| | First floor ( 3.4 m) | 49.9 |
| 19 | Ground floor ( 1.8 m) | 45.7 |
| 20 | Ground floor ( 1.8 m) | 45.4 |
| 21 | Ground floor ( 1.8 m) | 48.4 |
| 22 | Ground floor ( 1.8 m) | 54.7 |
| | First floor ( 3.9 m) | 55.3 |
| 23 | Ground floor ( 1.8 m) | 61.9 |
| | First floor ( 4.4 m) | 62.4 |
| 24 | Ground floor ( 1.8 m) | 62.3 |
| | First floor ( 4.5 m) | 62.6 |
| 25 | Ground floor ( 1.8 m) | 58.5 |
| 26 | Ground floor ( 1.8 m) | 59.8 |
| 27 | Ground floor ( 1.8 m) | 58.3 |
| | First floor ( 3.9 m) | 60.3 |
| 28 | Ground floor ( 1.8 m) | 57.1 |
| | First floor ( 3.8 m) | 57.3 |
| 29 | Ground floor ( 1.8 m) | 56.9 |
| | First floor ( 3.7 m) | 56.9 |
| 30 | Ground floor ( 1.8 m) | 46.2 |

| | | |
|---|---|---|
| | First floor ( 3.9 m) | 46.3 |
| | Second floor ( 6.3 m) | 46.4 |
| 31 | Ground floor ( 1.8 m) | 46.5 |
| | First floor ( 3.9 m) | 47.2 |

**TRONCO 3 CANTIERE AL KM 15,3 CORSO D'OPERA NOTTURNO**
CALCUL N° 1
Comment : calculation n°1 (Receiver)
Creation date : 6-AUG-2008

Position : from (1535223.5m, 4521877.5m) to (1536857.6m, 4523075.0m)
Calculation parameters : mode NMPB.96, 100 rays, 5 reflections, 2000.00 m, Leq
Type of ground : 600.0 (sigma)

| Receiver | Information | Lp dB(A) |
|---|---|---|
| 1 | Ground floor ( 1.8 m) | 44.9 |
| 2 | Ground floor ( 1.8 m) | 47.8 |
| 3 | Ground floor ( 1.8 m) | 49.3 |
| | First floor ( 3.4 m) | 53.0 |
| 4 | Ground floor ( 1.8 m) | 49.4 |
| | First floor ( 3.5 m) | 52.7 |
| 5 | Ground floor ( 1.8 m) | 58.3 |
| | First floor ( 3.5 m) | 58.3 |
| 6 | Ground floor ( 1.8 m) | 52.8 |
| | First floor ( 3.4 m) | 54.3 |
| 7 | Ground floor ( 1.8 m) | 55.7 |
| 8 | Ground floor ( 1.8 m) | 54.1 |
| | First floor ( 4.0 m) | 54.5 |
| 9 | Ground floor ( 1.8 m) | 49.5 |
| | First floor ( 3.9 m) | 54.6 |
| 10 | Ground floor ( 1.8 m) | 50.4 |
| | First floor ( 3.9 m) | 52.0 |
| 11 | Ground floor ( 1.8 m) | 38.2 |
| | First floor ( 3.5 m) | 46.5 |
| 12 | Ground floor ( 1.8 m) | 33.5 |
| | First floor ( 4.2 m) | 39.2 |
| 13 | Ground floor ( 1.8 m) | 44.3 |
| | First floor ( 4.4 m) | 54.4 |
| 14 | Ground floor ( 1.8 m) | 50.8 |
| 15 | Ground floor ( 1.8 m) | 40.1 |
| 16 | Ground floor ( 1.8 m) | 37.5 |
| 17 | Ground floor ( 1.8 m) | 28.1 |
| | First floor ( 3.8 m) | 30.6 |
| 18 | Ground floor ( 1.8 m) | 33.7 |
| | First floor ( 3.4 m) | 35.2 |
| 19 | Ground floor ( 1.8 m) | 31.0 |
| 20 | Ground floor ( 1.8 m) | 37.0 |
| 21 | Ground floor ( 1.8 m) | 41.7 |
| 22 | Ground floor ( 1.8 m) | 42.1 |
| | First floor ( 3.9 m) | 44.8 |

| | | |
|---|---|---|
| 23 | Ground floor ( 1.8 m) | 60.8 |
| | First floor ( 4.4 m) | 61.1 |
| 24 | Ground floor ( 1.8 m) | 62.0 |
| | First floor ( 4.5 m) | 62.3 |
| 25 | Ground floor ( 1.8 m) | 58.0 |
| 26 | Ground floor ( 1.8 m) | 59.8 |
| 27 | Ground floor ( 1.8 m) | 58.2 |
| | First floor ( 3.9 m) | 60.2 |
| 28 | Ground floor ( 1.8 m) | 57.0 |
| | First floor ( 3.8 m) | 57.1 |
| 29 | Ground floor ( 1.8 m) | 56.2 |
| | First floor ( 3.7 m) | 56.3 |
| 30 | Ground floor ( 1.8 m) | 44.0 |
| | First floor ( 3.9 m) | 43.9 |
| | Second floor ( 6.3 m) | 43.8 |
| 31 | Ground floor ( 1.8 m) | 42.6 |
| | First floor ( 3.9 m) | 43.9 |