

**RISANAMENTO FONICO  
MENDRISIOTTO E BASSO CERESIO  
FASE PRIORITARIA**

Progetto di risanamento fonico  
degli assi stradali cantonali e comunali del

COMUNE DI STABIO

# PIANO DI SITUAZIONE E EMISSIONI FONICHE DEGLI IMPIANTI STRADALI

## Piano 1.0

|            |                  |                                                                                                                                                                                                                   |
|------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Data:      | 19 febbraio 2018 | <b>UFFICIO DELLA PREVENZIONE<br/>DEI RUMORI</b><br><br>Via Franco Zorzi 13<br>6501 BELLINZONA<br><br>tel. 091 / 814 29 51<br>fax. 091 / 814 29 70<br>e-mail: <a href="mailto:du-upd@unipi.it">du-upd@unipi.it</a> |
| Scale:     | 1:3000           |                                                                                                                                                                                                                   |
| Dim.:      | 1470 x 914 mm    |                                                                                                                                                                                                                   |
| Operatore: | UPRI             |                                                                                                                                                                                                                   |

### Legenda

### Fonti di emissione

-  Strade comunali  
 Strade cantonali

## Edifici

- |  |                                                                                            |
|--|--------------------------------------------------------------------------------------------|
|  | Edifici con locali sensibili che rientrano nell'area di calcolo del progetto               |
|  | Edifici senza locali sensibili (accessori) che rientrano nell'area di calcolo del progetto |
|  | Edifici esclusi dall'area di calcolo del progetto                                          |

## Altri elementi

-  Tratte con interventi di limitazione delle emissioni foniche (v. piano delle immissioni)  
 Tunnel  
 Limite della Sezione comunale

### Tabella delle emissioni foniche

| Sequence n° | Asset          | Proprietario | Pendence % | Situazione prima del risanamento |       |              |    |       |   |   |          |     |                  | Situazione dopo il risanamento |      |                 |     |          |                 |      |
|-------------|----------------|--------------|------------|----------------------------------|-------|--------------|----|-------|---|---|----------|-----|------------------|--------------------------------|------|-----------------|-----|----------|-----------------|------|
|             |                |              |            | TGM                              |       | Coefficiente |    | N° VP |   |   | K1       |     | Pendence k (B/A) | Velocità                       |      | Emissioni dB(A) |     | Velocità | Emissioni dB(A) |      |
|             |                |              |            | G                                | N     | G            | N  | G     | N | G | N        | G   |                  | N                              | G    | N               | G   |          | N               |      |
| 1           | S107           | TI           | 0          | 3377                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 80               | 2                              | 77.9 | 63.6            | 80  | 2        | 77.9            | 63.6 |
| 2           | P304           | TI           | 0          | 26334                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 80               | 2                              | 86.8 | 77.5            | 80  | 2        | 86.8            | 77.5 |
| 3           | P304           | TI           | 0          | 25200                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 60               | 1                              | 83.4 | 74              | 50  | -3       | 78.4            | 68.6 |
| 4           | P304           | TI           | 0          | 25200                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 60               | 1                              | 83.4 | 74              | 50  | -3       | 78.4            | 68.6 |
| 5           | P304           | TI           | 0          | 24503                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 60               | 0                              | 83.3 | 73.8            | 50  | 1        | 82.2            | 72.7 |
| 6           | P304           | TI           | 0          | 24371                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 60               | 0                              | 83.3 | 73.8            | 50  | 1        | 82.2            | 72.6 |
| 7           | P304           | TI           | 0          | 25009                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 60               | 0                              | 83.4 | 73.9            | 50  | 1        | 82.2            | 72.7 |
| 8           | P304           | TI           | 0          | 25143                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 60               | 1                              | 83.4 | 73.9            | 50  | -3       | 78.3            | 68.1 |
| 9           | P304           | TI           | 0          | 25143                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 50               | 1                              | 82.3 | 72.8            | 50  | -3       | 78.3            | 68.5 |
| 10          | P304           | TI           | 0          | 22453                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 50               | 1                              | 81.8 | 72.3            | 50  | -3       | 77.8            | 68.3 |
| 11          | P304           | TI           | 0          | 21592                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 50               | 1                              | 81.7 | 72.1            | 50  | -3       | 77.7            | 68.1 |
| 12          | P304           | TI           | 0          | 22022                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 50               | 1                              | 81.8 | 72.2            | 50  | -3       | 77.8            | 68.2 |
| 13          | P304           | TI           | 0          | 25490                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 60               | 1                              | 83.5 | 74              | 50  | -3       | 78.4            | 68.8 |
| 14          | P304           | TI           | 0          | 25490                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 80               | 2                              | 86.6 | 77.3            | 60  | -3       | 79.5            | 70   |
| 15          | P304           | TI           | 0          | 24684                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 80               | 2                              | 86.5 | 77.2            | 60  | -3       | 79.4            | 69.9 |
| 16          | P304           | TI           | 0          | 24497                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 80               | 2                              | 86.5 | 77.2            | 60  | -3       | 79.5            | 69.9 |
| 17          | P304           | TI           | 0          | 24497                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 1                | 82.2                           | 72.7 | 50              | -3  | 78.2     | 68.7            |      |
| 18          | P304           | TI           | 4          | 24497                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0.2      | 50  | 1                | 82.4                           | 72.9 | 50              | -3  | 78.4     | 68.9            |      |
| 19          | P304           | TI           | 5          | 24497                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0.4 | 50               | 1                              | 82.6 | 73.1            | 50  | -3       | 78.6            | 69.1 |
| 20          | P304           | TI           | 3          | 24138                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 50               | 1                              | 82.2 | 72.6            | 50  | -3       | 78.2            | 68.6 |
| 21          | P304           | TI           | 0          | 24648                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 50               | 1                              | 82.2 | 72.7            | 50  | -3       | 78.2            | 68.7 |
| 22          | P304.1         | TI           | 3          | 0                                | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 50               | 1                              | 0    | 0               | 50  | 1        | 0               | 0    |
| 23          | P304.1         | TI           | 0          | 0                                | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 50               | 1                              | 0    | 0               | 50  | 1        | 0               | 0    |
| 24          | PA304          | TI           | 0          | 27258                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 100              | 2                              | 88.8 | 79.7            | 100 | 2        | 88.8            | 79.7 |
| 25          | PA304          | TI           | 0          | 27258                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 40               | 1                              | 81.7 | 72.1            | 40  | 1        | 81.7            | 72.1 |
| 26          | PA304          | TI           | 0          | 27258                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | 0        | 0   | 60               | 1                              | 83.8 | 74.3            | 60  | 1        | 83.8            | 74.3 |
| 27          | S113           | TI           | 0          | 10349                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.30959 | 0   | 80               | 0                              | 80.7 | 71.1            | 80  | 0        | 80.7            | 71.1 |
| 28          | S113           | TI           | 0          | 10349                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.30959 | 0   | 50               | 0                              | 77.5 | 67.6            | 50  | 0        | 77.5            | 67.6 |
| 29          | S113           | TI           | 3          | 10349                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.30959 | 0   | 50               | 1                              | 78.5 | 68.6            | 50  | 1        | 78.5            | 68.6 |
| 30          | S113           | TI           | 0          | 10349                            | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.30959 | 0   | 50               | 1                              | 78.5 | 68.6            | 50  | 1        | 78.5            | 68.6 |
| 31          | S113           | TI           | 0          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0   | 50               | 1                              | 76.4 | 64.4            | 50  | -3       | 72.4            | 60.4 |
| 32          | S113           | TI           | 0          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0   | 50               | 1                              | 76.4 | 64.4            | 50  | -3       | 72.4            | 60.4 |
| 33          | S113           | TI           | 0          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0   | 50               | 0                              | 75.4 | 63.4            | 50  | -3       | 72.4            | 60.4 |
| 34          | S113           | TI           | 3          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0   | 50               | 0                              | 75.4 | 63.4            | 50  | 0        | 75.4            | 63.4 |
| 35          | S113           | TI           | 3          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0   | 30               | 0                              | 73.7 | 61.5            | 30  | 0        | 73.7            | 61.5 |
| 36          | S113           | TI           | 5          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0.4 | 30               | 0                              | 74.1 | 61.9            | 30  | 0        | 74.1            | 61.9 |
| 37          | S113           | TI           | 0          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0   | 30               | 0                              | 73.7 | 61.5            | 30  | 0        | 73.7            | 61.5 |
| 38          | S113           | TI           | 0          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0   | 30               | 0                              | 73.7 | 61.5            | 30  | 0        | 73.7            | 61.5 |
| 39          | S113           | TI           | 5          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 0.4 | 50               | 0                              | 78.8 | 63.8            | 50  | 0        | 78.8            | 63.8 |
| 40          | S113           | TI           | 8          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 1   | 50               | 0                              | 76.4 | 64.4            | 50  | 0        | 76.4            | 64.4 |
| 41          | S113           | TI           | 8          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 1   | 50               | 0                              | 76.4 | 64.4            | 50  | 0        | 76.4            | 64.4 |
| 42          | S113           | TI           | 8          | 6355                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.42642 | 1   | 50               | 0                              | 76.4 | 64.4            | 50  | 0        | 76.4            | 64.4 |
| 43          | S113.1         | TI           | 0          | 2937                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 0                              | 72   | 57.5            | 50  | 0        | 72              | 57.5 |
| 44          | S113.1         | TI           | 0          | 2215                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 0                              | 70.8 | 56.2            | 50  | 0        | 70.8            | 56.2 |
| 45          | S113.1         | TI           | 0          | 2215                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 1                              | 71.8 | 57.2            | 50  | -3       | 67.8            | 53.2 |
| 46          | Via Ligurneto  | STABO        | 0          | 7631                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -1.63176 | 0   | 50               | 0                              | 76.2 | 65              | 50  | 0        | 76.2            | 65   |
| 47          | Via Ligurneto  | STABO        | 0          | 6374                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.41345 | 0   | 50               | 0                              | 75.4 | 63.4            | 50  | 0        | 75.4            | 63.4 |
| 48          | Via Ligurneto  | STABO        | 0          | 5706                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.89428 | 0   | 50               | 0                              | 74.9 | 62.4            | 50  | 0        | 74.9            | 62.4 |
| 49          | Via Uffertina  | STABO        | 0          | 5706                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -2.89428 | 0   | 50               | 0                              | 74.9 | 62.4            | 50  | 0        | 74.9            | 62.4 |
| 50          | Via Uffertina  | STABO        | 0          | 2712                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 0                              | 71.7 | 57.1            | 50  | 0        | 71.7            | 57.1 |
| 51          | Via Uffertina  | STABO        | 0          | 2156                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 0                              | 70.7 | 56.1            | 50  | 0        | 70.7            | 56.1 |
| 52          | Via Bagri      | STABO        | 0          | 1443                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -7.77036 | -5  | 50               | 0                              | 68.1 | 54.4            | 50  | 0        | 68.1            | 54.4 |
| 53          | Via Bagri      | STABO        | 0          | 1540                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.49051 | -5  | 50               | 0                              | 68.7 | 54.6            | 50  | 0        | 68.7            | 54.6 |
| 54          | Via Bagri      | STABO        | 0          | 1545                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.47644 | -5  | 50               | 0                              | 68.7 | 54.7            | 50  | 0        | 68.7            | 54.7 |
| 55          | Via Cesarea    | STABO        | 0          | 1678                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.1178  | -5  | 50               | 0                              | 69.5 | 55              | 50  | 0        | 69.5            | 55   |
| 56          | Via Falpetta   | STABO        | 0          | 1678                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.1178  | -5  | 50               | 0                              | 69.5 | 55              | 50  | 0        | 69.5            | 55   |
| 57          | Via Mulino     | STABO        | 0          | 3342                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 0                              | 72.6 | 58              | 50  | 0        | 72.6            | 58   |
| 58          | Via Lavagnolo  | STABO        | 0          | 2698                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 0                              | 71.4 | 56.9            | 50  | 0        | 71.4            | 56.9 |
| 59          | Via Montebiano | STABO        | 3          | 4792                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -3.85241 | 0   | 50               | 0                              | 74.1 | 61.9            | 50  | 0        | 74.1            | 61.9 |
| 60          | Via Montebiano | STABO        | 0          | 1964                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 0                              | 70.3 | 55.7            | 50  | 0        | 70.3            | 55.7 |
| 61          | Via Montebiano | STABO        | 3          | 1964                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -5       | 0   | 50               | 0                              | 70.3 | 55.7            | 50  | 0        | 70.3            | 55.7 |
| 62          | Via Montebiano | STABO        | 3          | 1573                             | 0.058 | 0.009        | 10 | 5     | 0 | 0 | -0.39843 | -5  | 50               | 0                              | 68.9 | 54.7            | 50  | 0        | 68.9            | 54.7 |

