

APPENDIX D Predicted construction noise impacts

D.1 Standard hours work



Construction scenario: Site preparation / demobilisation



Legend

Exceedance of NML, dB(A)

- Below NML
- 0 - 10
- > 10
- Above 75 and residential

— Railway

— Road

■ Railway station

60 0 60 120 180 m

Consultant:
RENZO TONIN & ASSOCIATES
inspired to achieve
 1/418A Elizabeth Street, SURRY HILLS NSW 2010
 P: 02 8218 0500 F: 02 8218 0501

Client:
 Jacobs Group (Australia) Pty Ltd

Project:
 More Trains More Services
 Package B PAC
 B2 Wollongong

Description:
 Construction noise results - Wollongong
 Standard hours

Figure No: TK877-01-B2-1(r1)
 Date: 25.07.2019
 Created by: AMO

Rev: R1
 Sheet: A3
 Scale: 1:4000

For information only and not for construction.
 This information is protected by copyright.

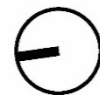
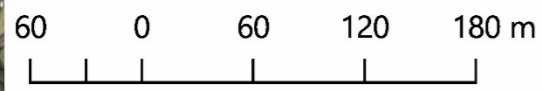


Construction scenario: Civil - walkways, lighting and CCTV/fences



Legend

- Exceedance of NML, dB(A)
- Below NML
- 0 - 10
- > 10
- Railway
- Road
- Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Standard hours

Figure No: TK877-01-B2-2(r1)
Date: 25.07.2019
Created by: AMO

Rev: R1
Sheet: A3
Scale: 1:4000

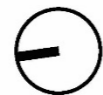
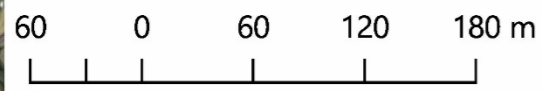


Construction scenario: Electrical



Legend

- | | |
|--------------------------|-----------------|
| Exceedance of NML, dB(A) | — Railway |
| Green | — Road |
| Blue | Grey |
| Dark Blue | Railway station |
| | |
| 0 - 10 | |
| > 10 | |



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Standard hours

Figure No: TK877-01-B2-3(r1)
Date: 25.07.2019
Created by: AMO

Rev: R1
Sheet: A3
Scale: 1:4000

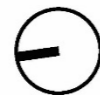
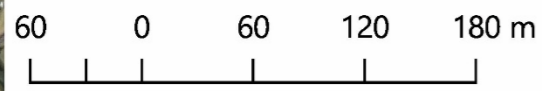


Construction scenario: Signals and communications



Legend

- Exceedance of NML, dB(A)
- Below NML
- 0 - 10
- > 10
- Railway
- Road
- Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Standard hours

Figure No: TK877-01-B2-4(r1)
Date: 25.07.2019
Created by: AMO

Rev: R1
Sheet: A3
Scale: 1:4000

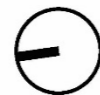
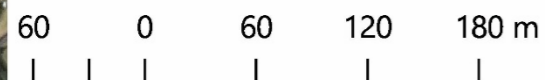


Construction scenario: Track work



Legend

- | | |
|--------------------------|-----------------|
| Exceedance of NML, dB(A) | — Railway |
| Green | — Road |
| Light Blue | Grey |
| Dark Blue | Railway station |
| Purple | |
- Below NML
 0 - 10
 > 10
 Above 75 and residential



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
 P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
 (Australia) Pty Ltd

Project:

More Trains More Services
 Package B PAC
 B2 Wollongong

For information only and not for construction.
 This information is protected by copyright.

Description:

Construction noise results - Wollongong
 Standard hours

Figure No: TK877-01-B2-5(r1)
 Date: 25.07.2019
 Created by: AMO

Rev: R1
 Sheet: A3
 Scale: 1:4000

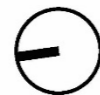
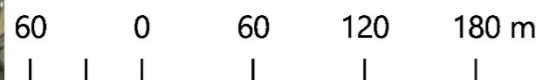


Construction scenario: Civil - amenities building and car park



Legend

- Exceedance of NML, dB(A)
- Below NML
- 0 - 10
- > 10
- Railway
- Road
- Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Standard hours

Figure No: TK877-01-B2-6(r1)
Date: 25.07.2019
Created by: AMO

Rev: R1
Sheet: A3
Scale: 1:4000

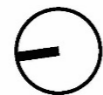
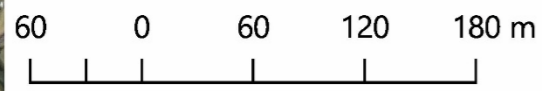


Construction scenario: Turnouts



Legend

- Exceedance of NML, dB(A)
- Below NML
 - 0 - 10
 - > 10
- Railway
 - Road
 - Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Standard hours

Figure No: TK877-01-B2-7(r1)
Date: 25.07.2019
Created by: AMO

Rev: R1
Sheet: A3
Scale: 1:4000

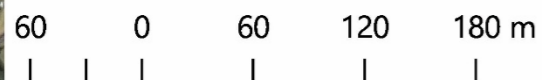


Construction scenario: Civil - platform extensions



Legend

- Exceedance of NML, dB(A)
- Below NML
 - 0 - 10
 - > 10
- Railway
 - Road
 - Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Standard hours

Figure No: TK877-01-B2-8(r1)
Date: 25.07.2019
Created by: AMO

Rev: R1
Sheet: A3
Scale: 1:4000

D.2 Out of hours work (day)

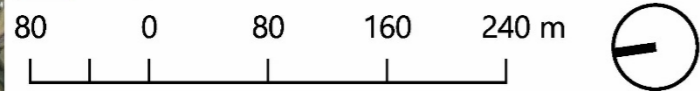


Construction scenario: Site preparation / demobilisation



Legend

- Exceedance of NML, dB(A)
- Below NML
- 0 - 5
- 5 - 15
- 15 - 25
- > 25
- Railway
- Road
- Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Out of hours works, period 1 (day)

Figure No: TK877-01-B2-1(r2)
Date: 06.08.2019
Created by: AMo

Rev: R1
Sheet: A3
Scale: 1:5000

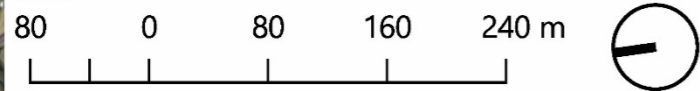


Construction scenario: Civil - walkways, lighting and CCTV/fences



Legend

- | | |
|--------------------------|-------------------|
| Exceedance of NML, dB(A) | — Railway |
| Below NML | — Road |
| 0 - 5 | ■ Railway station |
| 5 - 15 | |
| 15 - 25 | |
| > 25 | |



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Out of hours works, period 1 (day)

Figure No: TK877-01-B2-2(r2)
Date: 06.08.2019
Created by: AMo

Rev: R1
Sheet: A3
Scale: 1:5000

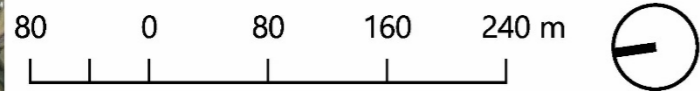


Construction scenario: Electrical



Legend

- | | |
|--------------------------|-------------------|
| Exceedance of NML, dB(A) | — Railway |
| Below NML | — Road |
| 0 - 5 | ■ Railway station |
| 5 - 15 | |
| 15 - 25 | |



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Out of hours works, period 1 (day)

Figure No: TK877-01-B2-3(r2)
Date: 06.08.2019
Created by: AMo

Rev: R1
Sheet: A3
Scale: 1:5000

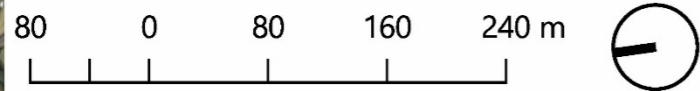


Construction scenario: Signals and communications



Legend

- Exceedance of NML, dB(A)
 - Below NML
 - 0 - 5
 - 5 - 15
- Railway
- Road
- Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Out of hours works, period 1 (day)

Figure No: TK877-01-B2-4(r2)
Date: 06.08.2019
Created by: AMo

Rev: R1
Sheet: A3
Scale: 1:5000

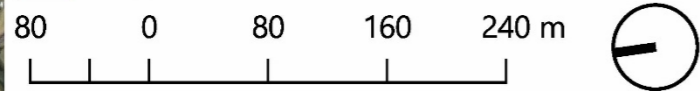


Construction scenario: Track work



Legend

- Exceedance of NML, dB(A)
- Below NML
- 0 - 5
- 5 - 15
- 15 - 25
- > 25
- Railway
- Road
- Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Out of hours works, period 1 (day)

Figure No: TK877-01-B2-5(r2)
Date: 06.08.2019
Created by: AMo

Rev: R1
Sheet: A3
Scale: 1:5000

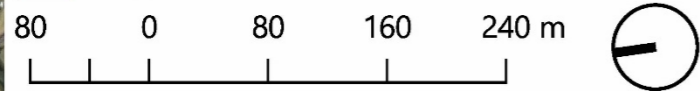


Construction scenario: Civil - amenities building and car park



Legend

- | | |
|--------------------------|-------------------|
| Exceedance of NML, dB(A) | — Railway |
| Below NML | — Road |
| 0 - 5 | — Railway station |
| 5 - 15 | |
| 15 - 25 | |
| > 25 | |



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Out of hours works, period 1 (day)

Figure No: TK877-01-B2-6(r2)
Date: 06.08.2019
Created by: AMo

Rev: R1
Sheet: A3
Scale: 1:5000

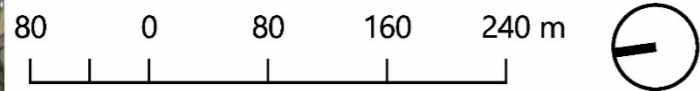


Construction scenario: Turnouts



Legend

- Exceedance of NML, dB(A)
- Below NML
- 0 - 5
- 5 - 15
- 15 - 25
- > 25
- Railway
- Road
- Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Out of hours works, period 1 (day)

Figure No: TK877-01-B2-7(r2)
Date: 06.08.2019
Created by: AMo

Rev: R1
Sheet: A3
Scale: 1:5000

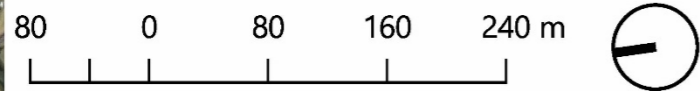


Construction scenario: Civil - platform extensions



Legend

- Exceedance of NML, dB(A)
- Below NML
- 0 - 5
- 5 - 15
- 15 - 25
- Railway
- Road
- Railway station



Consultant:



1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

Jacobs Group
(Australia) Pty Ltd

Project:

More Trains More Services
Package B PAC
B2 Wollongong

For information only and not for construction.
This information is protected by copyright.

Description:

Construction noise results - Wollongong
Out of hours works, period 1 (day)

Figure No: TK877-01-B2-8(r2)
Date: 06.08.2019
Created by: AMo

Rev: R1
Sheet: A3
Scale: 1:5000