RPA

Railway Procurement Agency

Schedule of Metro North Railway Order Application Documentation submitted to An Bord Pleanála

September 2008 – March 2010

This Schedule comprises details of documentation submitted to An Bord Pleanála at the following stages:

1. Metro North Railway Order Application 18th September 2008
2. Metro North Oral Hearing RPA Evidence April 2009
3. Metro North Oral Hearing RPA Supporting documentation April 2009
4. Metro North Further Information 1st October 2009
5. Metro North Oral Hearing RPA Evidence November 2009 – January 2010
6. Metro North Oral Hearing RPA Supporting documentation November 2009- January 2010
7. Metro North Agreements submitted at Oral Hearing November 2009 – December 2010
8. Metro North Mater / Ballymun / Seatown Revised Design 18th December 2009
9. Metro North Oral Hearing RPA Evidence March 2010
10. Metro North Oral Hearing RPA Supporting documentation March 2010
11. Metro North Agreements submitted at Oral Hearing March 2010
12. Metro North Agreements submitted to An Bord Pleanála

1. Metro North Railway Order Application 18th September 2008

Draft Railway Order
Draft Railway Order 2008 Dublin Metro North Book of Reference First, Eleventh and Twelfth Schedule
Environmental Impact Statement and Non-Technical Summary
EIS Non-Technical Summary
EIS Metro North Volume 1 Book 1 of 1
EIS Metro North Volume 2 Book 1 of 7
EIS Metro North Volume 2 Book 2 of 7
EIS Metro North Volume 2 Book 3 of 7
EIS Metro North Volume 2 Book 4 of 7
EIS Metro North Volume 2 Book 5 of 7
EIS Metro North Volume 2 Book 6 of 7
EIS Metro North Volume 2 Book 7 of 7
EIS Metro North Volume 3 Book 1 of 2 Specialists Maps
EIS Metro North Volume 3 Book 2 of 2 Annexes to the EIS
Books of Reference
Draft Railway Order 2008 Dublin Metro North Book of Reference Second Schedule
Draft Railway Order 2008 Dublin Metro North Book of Reference Third Schedule Book 1 of 6
Draft Railway Order 2008 Dublin Metro North Book of Reference Third Schedule Book 2 of 6
Draft Railway Order 2008 Dublin Metro North Book of Reference Third Schedule Book 3 of 6
Draft Railway Order 2008 Dublin Metro North Book of Reference Third Schedule Book 4 of 6
Draft Railway Order 2008 Dublin Metro North Book of Reference Third Schedule Book 5 of 6
Draft Railway Order 2008 Dublin Metro North Book of Reference Third Schedule Book 6 of 6
Draft Railway Order 2008 Dublin Metro North Book of Reference Fourth Schedule
Draft Railway Order 2008 Dublin Metro North Book of Reference Fifth Sixth Seventh Eight Ninth and Tenth Schedule
Newspaper Notice
Metro North Railway Order Application Newspaper Notice

Plan of Proposed Railway Works
Alignment Drawings Fingal County Council (Belinstown to Santry Avenue) (see Drawings Schedule)
Alignment Drawings Dublin City Council (Santry Avenue to St. Stephen's Green) (see Drawings Schedule)
Structures Drawings Fingal County Council Book 1 of 2 (see Drawings Schedule)
Structures Drawings Fingal County Council Book 2 of 2 (see Drawings Schedule)
Structures Drawings Dublin City Council Book 1 of 2 (see Drawings Schedule)
Structures Drawings Dublin City Council Book 2 of 2 (see Drawings Schedule)
Property Drawings Fingal County Council (Belinstown to Santry Avenue) (see Drawings Schedule)
Property Drawings Dublin City Council (Santry Avenue to St. Stephen's Green) (see Drawings Schedule)

2. Metro North Oral Hearing RPA Evidence April 2009

Wednesday 1st April 2009	
1. Opening Address of Counsel	James Connolly
2. Overview a) Presentation slides	Frank Allen
3. Statutory Process	Fergal Ruane
4. Referencing a) Schedule of Proposed Amendments b) Re-delivery late delivery of documents	Una Henshaw
5. Public Consultation	Tom Manning
6. Strategic landuse planning and retail planning context	Simon Clear
7. Transport model a) Presentation slides	Dave King
8. Description of scheme, system concept and route alternatives a) Presentation slides	Rory O`Connor
Thursday 2nd April 2009	
9. Scheme layout alternatives a) Presentation slides	Richard Spalding
10. Description of drawings a) Presentation slides	Geoff Featherstone
11. Detailed description of Metro North works	Geoff Featherstone
12. Human Beings – landuse, socio economic, non agricultural property and retail	Ian Guilder
Friday 3rd April 2009	
13. Fire and Life Safety	Tom Keeper
14. Geotechnical Investigations	Stuart Cowan
15. Settlement issues and impacts on buildings a) Presentation slides	John Burland
16. Railway Systems	Bernard Kernan

Metro North Oral Hearing RPA Evidence April 2009

Tuesday 7th April 2009	
17. Description of architectural design a) Presentation slides	John Smith
18. Tunnel and below grade Stop design a) Presentation slides	Paul Brown
19. Enabling works a) Presentation slides	Doug Thomson
20. Underground construction overview a) Presentation slides	Richard Tucker
21. Construction schedule and sequencing a) Presentation slides	John McLoughlin
Wednesday 8th April 2009	
22. EIS preparation process	Steve Purnell
23. Airborne noise	Steve Mitchell
24. Vibration and groundborne noise a) Additional text at paragraph 8.25	Rupert Taylor
25. Soil and geology	Brian Rouse
26. Air quality	Roger Barrowcliffe
Thursday 9th April 2009	
27. Agronomy	Con Curtin
28. Property Owners Protection Scheme	Wendy Thompson
29. Electromagnetic compatibility EMC	John McCauley
Wednesday 15th April 2009	
30. Ecology	Andy Coates
31. Groundwater and surface water	Fergal Callaghan
32. Human health a) Addendum at paragraph 5.8.8	Martin Hogan
33. Landscape and visual	John Flannery
34. Archaeology, architectural and cultural heritage	David O`Connor
35. Conservation architect	David Slattery

Metro North Oral Hearing RPA Evidence April 2009

Thursday 16th April 2009 and **Friday 17th April 2009**	
36. STMP a) Traffic agenda b) Module A traffic assessment overview and slides c) Module B scheme traffic management plan and slides d) Module C local area assessment – Area MN101 and slides e) Module C local area assessment – Area MN102 and slides f) Module C local area assessment – Area MN103 and slides g) Module C local area assessment – Area MN104 and slides h) Module C local area assessment – Area MN105 and slides i) Module C local area assessment – Area MN106 and slides j) Module C local area assessment – Area MN107 and slides k) Module D strategic assessment l) Module E key changes from EIS and STMP key measures and requirements	 Richard Tucker Ian Byrne Rob Kelly Richard Tucker Richard Tucker Richard Tucker Richard Tucker Richard Tucker Richard Tucker Richard Tucker Ian Byrne Rob Kelly
Wednesday 22nd April 2009	
37. RPA Responses to Submissions to ABP	Rory O`Connor
Thursday 23rd April 2009	
38. Geology a) Presentation slides	Stuart Cowan
39. Groundwater supplementary evidence	Fergal Callaghan
40. Ground movement additional evidence	Geoff Featherstone
41. Movement monitoring and the role of the RPA	Geoff Featherstone
42. Risk management	Geoff Featherstone
43. Closing submission – Module 1	James Connolly

3. Metro North Oral Hearing RPA Supporting Documentation April 2009

Alignment Feasibility Report 2004 (Parsons Brinckerhoff)
Alignment Options between Drumcondra and Griffith Avenue Stops (O'Connor Sutton Cronin Report)
Assessment of Magnetic Field Strengths from proposed Metro North System at Mater Hospital
Ballymun Model Development Report (MVA)
Baseline Vibration Monitoring Report (ERM)
Belinstown Depot Location Options (Slide 3 of Richard Spaldings presentation)
Carlton Court- images of elevated track
CD 1 and 2 information on GI Data Reports – Cable Percussion Borehole logs – Rotary Core Drillhole Logs – Discontinuity Data Sheets – Packer Permeability Test Data – Variable Head Permeability Test Data – Water Level Records – Soil Laboratory Test Records Chemical Testing – Soil Laboratory Test Records Class Testing – Soil Laboratory Test Records Triaxial Testing – Rock Laboratory Test Records – Downhole Geophysical Data Borehole 1 – Downhole Geophysical Data Borehole 2 – Downhole Geophysical Data Borehole 3 – Downhole Geophysical Data Borehole 4
Confirmation of methodology for assessing settlement impacts - David Slattery, Conservation Architect
Design Input Statement for Predicting Ground Movements and the Response of Overlying Property to Underground Excavation (Jacobs)
Dublin City Centre Model Development Report (MVA)
Dublin City Centre to Airport Metro Archaeological Assessment. (CRDS)
Dublin Port Tunnel Data referred to in Rupert Taylor`s evidence (in CD format)
Fingallians footbridge letter and drawing
Fusilier's Arch Survey
Geological Long Sections
Geotechnical Data Report
Geotechnical Properties of Dublin Boulder Clay. Long, M. and Menkiti, C.O. 2007 *Geotechnique* 57, No 7, pp 595-611.

Griffith Avenue Stop 3D images
Groundwater Analytical Results. (White Young Green)
Hospital - Sensitive Equipment Plans Mater Private Hospital
Hospital - Sensitive Equipment Plans MMUH Existing Location
Hospital - Sensitive Equipment Plans MMUH New location
Hospital - Sensitive Equipment Plans Rotunda
Hospital - Sensitive Equipment Plans Temple Street
Identification of possible areas of contamination and proposals for location of soil and groundwater monitoring points for Metro North (AWN Consulting)
Impact of Metro on Property Values. September 2007 (Lisney)
Metro North Mater Stop Acoustic Design Report SD-2.5M (Mott MacDonald)
Metro North Mater Stop Geotechnical Data Report SD-2.6A (i) (Mott MacDonald)
Metro North Mater Stop Geotechnical Basis of Design Report SD-2.6A (ii) (Mott MacDonald)
Metro North Mater Stop Geotechnical Instrumentation Report SD-2.6A (iii) (Mott MacDonald)
Metro North Mater Stop Drainage Impact Assessment Report SD-2.6B (Mott MacDonald)
Metro North Mater Stop Traffic Impact Assessment Report SD-2.6C (Mott MacDonald)
Metro North Mater Stop Construction Report SD-2.6D (Mott MacDonald)
Metro North Mater Stop Stage 2A Ground Movement Assessment Report SD-2.6E (Mott MacDonald)
Metro North Mater Stop TBM Break In / Out Report SD-2.6F (Mott MacDonald)
Metro North Mater Stop Designer`s Risk Assessment Report SD-2.6I (Mott MacDonald)
Measurement of Magnetic Field Strengths from Luas at St James's Hospital and Comparison with Rotunda Data by John McAuley
Metro North Animation CD
Metro North Scheme Traffic Management Plan Version 8 March 2009 Appendix A Appendix B/C/D/G/H/I Appendix D/E/N/O/Q Appendix P Appendix E Appendix F/J/K/L/M
Metro North Tunnel Boring: Groundborne Noise and Vibration. August 2007 (Rupert Taylor)
Modal Shift Information - Demand Results
Newsletters and updates

O'Connell Monument Draft Method Statement
O'Connell Monument Drawings
O'Connell Monument Photographs
Overview of Archaeological Strategy for Metro North
Press releases
Property Protection Scheme - leaflet and letter
Reference Ground Conditions Report (Jacobs)
Report to the Oireachtas Joint Committee on Transport (O`Reilly Consultants)
Review of the EIS and other Railway Order documentation (GWP Consultants Report)
Sample Basement Survey Report for 28 O'Connell St Lower
Sample Basement Survey Report for 2 - 4 Lower O'Connell St
Sample Composite Drawing from Basement Surveys for 1-11 and 45-56 O'Connell St Lower (East and West)
Stage 1 Preliminary Ground Movement Assessment Report (Jacobs)
Stage 2A Preliminary Building Response Assessment Report (Jacobs)
Station Sizing Report (Jacobs)
Swords Model Development Report (MVA)
Technical Note 12: Strategy for Assessing and Managing Building, Infrastructure and Utility Response to Ground Movements Generated by Underground Excavation. May 2008 (Jacobs)
Technical Note 28: O`Connell Bridge Stop - Preliminary Geological Assessment and Indicative Primary Lining Design – Minded Sections. July 2008 (Jacobs)
The prediction of vibration, groundborne and structure radiated noise from railways using finite difference methods - Part 1 - Theory by Rupert Taylor
The prediction of vibration, groundborne noise and structure-radiated noise using finite difference methods – Part 2 - Theory by Rupert Taylor
Tree and Hedgerow Survey for Proposed Metro North Corridor from Lissenhall to and including St Stephen’s Green April 2008 (Murray & Associates)
Tree and Hedgerow Survey for Proposed Metro North Corridor from Lissenhall to and including St Stephen’s Green June 2008 (Murray & Associates)
Underwater & Intertidal archaeological assessment River Liffey, 100m west of O`Connell Bridge to Butt Bridge, Dublin City (The Archaeological Diving Company Limited)
Utilities Enabling Works Drawings (see Drawings Schedule)
Validation exercise post Port Tunnel opening
Working Paper 43 Alternative Depot Locations Drawing

4. Metro North Further Information submitted to An Bord Pleanala 1st October 2009

Item 1 Impact Assessment
Item 1 Part 1 Impact Assessment Fitzwilliam Hotel, St. Stephen`s Green
Appendix A Traffic Assessment Fitzwilliam Hotel
Appendix B Ground Movements Assessment - Fitzwilliam Hotel, St. Stephen's Green Construction Impacts
Item 1 Part 2 Impact Assessment Rotunda Hospital, Parnell Square
Appendix A Arup Acoustic Metro North, Rotunda Hospital Noise and Vibration Issues
Appendix B Vibration Limits in the HARI Unit
Appendix C Rotunda Hospital Ground Floor, Sensitive Equipment Locations
Appendix D Rotunda Equipment List
Appendix E Ground Movements Assessment – The Rotunda Hospital Construction Impacts
Item 1 Part 3 Impact Assessment Mater Private Hospital, Eccles Street
Appendix A Metro North Mater Private Hospital Baseline Report Final
Appendix B Mater Private, Mater Stop Box Noise and Vibration Study
Appendix C Arup Acoustic Metro North, Mater Private Hospital Noise & Vibration Issues
Appendix D Mater Private Hospital, Vibration Modelling Report Issue 2, Rev 0
Appendix E Mater Private Hospital - Revised Scope of Indicative Stage 3 Analysis
Appendix F Mater Stop Medical Gas Pipe Settlement - Mater Private Hospital
Item 1 Part 4 Impact Assessment No. 12 St. Joseph`s Avenue, Drumcondra
Appendix A Ground Movements – No. 12 St. Joseph's Avenue Construction Impacts
Item 1 Part 5 Impact Assessment No. 71 Ferguson Road, Drumcondra
Appendix A Ground Movements – No. 71 Ferguson Road Construction Impacts
Item 1 Part 6 Impact Assessment Corpus Christi Girls' National School, Drumcondra
Appendix A Ground Movements – Corpus Christi GNS Construction Impacts
Item 1 Part 7 Impact Assessment No. 2 Albert College Lawn
Appendix A Ground Movements – No. 2 Albert College Lawn Construction Impacts
Item 1 Part 8 Impact Assessment "Céim Dearg"
Appendix A Traffic Impact Assessment
Item 1 Part 9 Impact Assessment Residential Property on Batter Lane

Item 2 Utilities Diversion Works
Item 2 Utilities Diversion Works
General Utility Enabling Works Drawings - Schedule of Additional Drawings
Appendix A Risk Register
Appendix B Traffic Management Drawings (see Drawings Schedule)
Appendix C Utility Diversion Works Drawings (see Drawings Schedule)
Appendix D Schedule of Utilities Diversions
Item 3 Archaeology and Architectural Heritage
Item 3 (a), (b) and (c) Archaeology & Architectural Heritage
Appendix A Geophysical Survey Report Metro North Belinstown to St. Stephen's Green, Dublin
Appendix B Assessment Report on the Results of Metro North Advance Archaeological Test Trenching, Testing Area 1, Belinstown and Lissenhall Little townlands, Co. Dublin
Appendix C Assessment Report on the Results of Metro North Advance Archaeological Test Trenching, Testing Area 2, Belinstown townland, Co. Dublin
Appendix C (contd) Figures and Plates for Advanced Archaeological Testing of Metro North Testing Area 2 Belinstown townland, Co. Dublin
Appendix D Interim Assessment Report on the Results of Metro North Advance Archaeological Test Trenching, Testing Area 3, Belinstown townland, Co. Dublin
Appendix E Underwater Archaeological Assessment Metro North Project, Broadmeadow River, Lissenhall Bridge, Balheary Demense/Lissenhall Great, Swords, Co. Dublin & Ward River, Balheary Bridge, Balheary Demense, Swords, Co. Dublin
Appendix F Underwater & Inter-tidal Archaeological Assessment River Liffey, 100m West of O'Connell Bridge to Butt Bridge, Dublin City
Appendix G Architectural Assessment and Impact Assessment of Lissenhall Bridge
Appendix H Metro North Architectural Scheme Concept Report
Appendix I Metro North Architectural Design Guide
Item 4 Flood Risk Assessment
Item 4 Flood Risk Assessment
Appendix A Appropriate flood risk assessment in relation to construction of Belinstown Depot, including filling of depot site, construction of buildings and discharge of stormwater to existing watercourses
Appendix B Sources of flooding and previous events
Appendix C Drawings (see Drawings Schedule)
Item 5 Provisional Stops
Item 5 Provisional Stops

Appendix A Strategic Planning Context Response
Item 6 Park & Ride Sites
Item 6 Park & Ride Sites
Appendix A Park & Ride Modelling Methodology
Item 7 Impact of Elevated Track
Item 7 Impact of Elevated Track
Appendix A Photo of Existing Tree Screen at Carlton Court
Appendix B Drawings (see Drawings Schedule)
Item 8 Alignment Option through Ballymun
Item 8 Alignment Option through Ballymun
Appendix A Public Notice of Ballymun Open Day
Appendix B Public Consultation Submission by Ballymun Neighbourhood Council
Item 9 DCU Stop
Item 9 DCU Stop - Independent Assessment of DCU Metro Stop Location, Ws Atkins Ltd.
Item 10 Tunnel Launch at Albert College Park
Item 10 Tunnel Launch at Albert College Park
Appendix A RPA Metro North Additional Night Time noise survey Albert College Park Task
Item 11 Treatment of Spoil
Item 11 Treatment of Spoil
Item 12 Electromagnetic Interference
Item 12 Electromagnetic Interference
Appendix A Mater Private Hospital Drawings of EMI Assessment of Sensitive Hospital Medical Equipment (see Drawings Schedule)
Appendix B Mater Adult Hospital Drawings of EMI Assessment of Sensitive Hospital Medical Equipment (see Drawings Schedule)
Appendix C Rotunda Hospital Medical Equipment
– Rotunda Hospital Ground Floor, Sensitive Equipment Locations
– Rotunda Equipment List
Appendix D EMI and Stray Current Risk Register
Appendix E Plan of the proposed location of the HARI Unit and Private Clinic

Item 13 Construction Traffic Impacts
Item 13 Construction Traffic Impacts
Item 14 Dust
Item 14 Dust – Baseline Dust Deposition Survey Report
Item 15 Airborne Noise
Item 15 Airborne Noise
Appendix A Table 3.1: Unmitigated Noise Impacts at Night (Free-field dB)
Appendix B Crossrail Report on a Social Survey and Noise Measurement Survey, May 1993
Appendix C Parnell Square Noise Report
Appendix D Baseline Noise Assessment Rotunda Hospital and Temple St. Hospital
Appendix E Metro North Baseline Report Elmhurst Convalescent Home and Hampstead Private Hospital
Appendix F RPA Construction Noise Management Plan
Appendix G Elmhurst Convalescent Home Construction Noise Assessment
Item 16 Assessment of Environmental Risks
Item 16 (a) and 16 (c) Assessment of Environmental Risks
Appendix A RPA Metro North Technical and Environmental Risk Management Plan
Item 16 (b) Assessment of Environmental Risks for Area MN101
Technical, Safety and Environmental Risk Register MN101
Item 16 (b) Assessment of Environmental Risks for Area MN102
Technical, Safety and Environmental Risk Register MN102
Item 16 (b) Assessment of Environmental Risks for Area MN103
Technical, Safety and Environmental Risk Register MN103
Item 16 (b) Assessment of Environmental Risks for Area MN104
Technical, Safety and Environmental Risk Register MN104
Item 16 (b) Assessment of Environmental Risks for Area MN105
Technical, Safety and Environmental Risk Register MN105
Item 16 (b) Assessment of Environmental Risks for Area MN106
Technical, Safety and Environmental Risk Register MN106
Item 16 (b) Assessment of Environmental Risks for Area MN107
Technical, Safety and Environmental Risk Register MN107

Item 17 Geotechnical and Geological Aspects
Item 17 Geotechnical and Geological Aspects
Appendix A The International Tunnelling Insurance Group - A Code of Practice for Risk Management of Tunnel Works
Appendix B Technical and Environmental Risk Register
– Tunnels & Below Grade Stops Risk Register Content list
– MN103 Tunnels & Below Grade Stops Risk Register
– MN105 Tunnels & Below Grade Stops Risk Register
– MN106 Tunnels & Below Grade Stops Risk Register
– MN107 Tunnels & Below Grade Stops Risk Register
Item 18 Vibrations and Groundborne Noise
Item 18 Vibrations and Groundborne Noise
Appendix A Vibration Contours for Airport and City Centre Tunnel Boring Machines comprising drawings EN S100, EN S102, EN S104 to S109 (see Drawings Schedule)
Appendix B Operational Groundborne Noise Contours comprising drawings EN S200, EN S202, EN S204 to S211 (see Drawings Schedule)
Appendix C Operational Vibration Contours comprising drawings EN S300, EN S302, EN S305 to EN S312 (see Drawings Schedule)
Appendix D The Seismic Surface Pulse by C.L. Pekeris
Appendix E Review of Soil Dynamic Properties, by Rupert Taylor
Appendix F Numerical Modelling of Groundborne Noise and Vibration from Underground Railways: Geotechnical Considerations, by Rupert Taylor
Appendix G Victoria Palace Theatre, Groundborne Noise Modelling Report, by Rupert Taylor
Item 19 Groundwater and Geohydrology
Item 19 Groundwater and Geohydrology
Appendix A Biography – Professor William Powrie
Appendix B Parnell Square: Hydrogeological Modelling

5. Metro North Oral Hearing RPA Evidence November 2009 – January 2010

Monday 30th November 2009	
44. Opening Address of Counsel	James Connolly
45. Overview of Further Information	Rory O`Connor
46. RPA Response to Further Information submissions	Rory O`Connor
47. RPA Response to DCC Further information submission	Rory O`Connor
Tuesday 1st December 2009	
48. RPA Response to Dr Massarsch`s Questions regarding TBM Spectra.	Rupert Taylor
Monday 7th December 2009	
49. Metro North Mater Stop Summary of Environmental Assessment	Rory O`Connor
50. Metro North Mater Stop Revised Design Presentation	Anne Kiernan
Tuesday 15th December 2009	
51. Protected Structures and Surveys	Paul Brown
Wednesday 13th January 2010	
52. RPA Response to Questions from the Inspector regarding Closed face TBM	Alastair Biggart
53. RPA Response to Questions from the Inspector regarding examples of building damage	John Burland
Thursday 14th January 2010	
54. Properties impacted by Marlborough Street Stop option	Rory O`Connor
55. RPA Response to D. Cahalane on behalf of the Byrne Family in relation to Metropark	Rory O`Connor

6. Metro North Oral Hearing RPA Supporting Documentation November 2009 – January 2010

Further Information Re-service of documents spreadsheet
Further Information Schedule of Amendments to the Book of Reference
Draft Archaeological Strategy for Metro North
St. Stephen`s Green Escape Core Options Relocation Report
Waste / Quarries Maps and NRA Road Programme status January 2007
Clarification of Drawings submitted to ABP in relation to Hugo Byrne`s submission regarding the proposed road underpass at Northwood, south of the M50

7. Metro North Agreements submitted at Oral Hearing November 2009 – January 2010

Agreements

- RPA and Ampleforth ltd
- RPA and Fingallians
- RPA and Bank of Scotland Ireland
- RPA and the Owners of 124-127 St. Stephen`s Green (BOSI building)
- Extracts from RPA and Iarnród Éireann and CIE in relation to Drumcondra Station
- Extracts from RPA and Iarnród Éireann and CIE in relation to St. Stephen`s Green
- RPA and Hainvale and Irish Food Processors
- RPA and Metropark (redacted)
- RPA and Tempore ltd (redacted)
- Amendment to RPA and Tempore ltd

8. Metro North Mater / Ballymun / Seatown Revised Design submitted to An Bord Pleanala 18th December 2009

Metro North Mater Stop Revised Design
Metro North Mater Stop Summary of Environmental Assessment
Metro North Mater Stop Revised Design Presentation
Metro North Environmental Report for the Revised Design of Mater Stop
Metro North Mater Stop Changes to Book of Reference
Metro North Mater Stop Street Level Plan (see Drawings Schedule)
Metro North Mater Stop Structures Street Level Plan (see Drawings Schedule)
Metro North Mater Stop Structures Concourse and Platform Plans (see Drawings Schedule)
Metro North Mater Stop Structures Elevations 1 of 2 (see Drawings Schedule)
Metro North Mater Stop Structures Elevations 2 of 2 (see Drawings Schedule)
Metro North Mater Stop Structures Mezzanine Plan (see Drawings Schedule)
Metro North Mater Stop Structures Sections (see Drawings Schedule)
Metro North Mater Stop Property Details Kenmare Parade to St. Josephs Parade (see Drawings Schedule)
Metro North Seatown Stop
Metro North Seatown Stop Changes to Book of Reference
Metro North Seatown Stop Property Details Seatown Road to Ashley Avenue (see Drawings Schedule)
Metro North Seatown Stop Sub Station Re-orientation (see Drawings Schedule)
Metro North Ballymun Stop
Metro North Ballymun Stop Changes to Book of Reference
Metro North Ballymun Stop Street Level Plan (see Drawings Schedule)
Metro North Ballymun Stop Property Details Coultry Road to Gateway Crescent (see Drawings Schedule)

9. Metro North Oral Hearing RPA Evidence March 2010

Monday 1st March	
56. Overview of proposed modifications at Mater, Ballymun and Seatown	Rory O`Connor
57. RPA Response to submissions relating to the proposed modifications at Mater, Ballymun and Seatown by DCC, Leo Street Residents and Mater Private Hospital	Rory O`Connor
58. RPA Response to submissions relating to the proposed modifications at Mater, Ballymun and Seatown by NPHBD and Rotunda Hospital	Rory O`Connor

10. Metro North Oral Hearing RPA Supporting Documentation March 2010

Metro North Parnell Square: Stage 3 Indicative Ground Movement and Building Response Report
Metro North Structural Reconnaissance Inspections Report: Parnell Square and Eccles Street
The Fottrell Hollybank Estate Drumcondra
Examples of Building Surveys undertaken by RPA
Legislation and standards relevant to Fire and Life Safety Engineering for Metro North
Crossrail Information Paper D10 Groundborne Noise and Vibration

11. Metro North Agreements submitted at Oral Hearing March 2010

Rotunda Agreement – Extract from Rotunda Agreement (Clauses 5.7 and 10.8) – Rotunda Agreement (redacted)
Mater Private Hospital Agreement – Letter from RPA to Mater Private Hospital 13th January 2010 – 11 Drawings attached to the above letter 13th January 2010 – Mater Private Hospital Appendix 3 – Extract from Mater Private Hospital Agreement

12. Metro North Agreements submitted to An Bord Pleanala at the Metro North Oral Hearing

RPA and Ampleforth ltd
RPA and Fingallians
RPA and Bank of Scotland Ireland
RPA and the Owners of 124-127 St. Stephen`s Green (BOSI building)
Extracts from RPA and Iarnród Éireann and CIE in relation to Drumcondra Station
Extracts from RPA and Iarnród Éireann and CIE in relation to St. Stephen`s Green
RPA and Hainvale and Irish Food Processors
RPA and Metropark (redacted)
RPA and Tempore ltd (redacted) Amendment to RPA and Tempore ltd
Rotunda Agreement – Extract from Rotunda Agreement (Clauses 5.7 and 10.8) – Rotunda Agreement (redacted)
Mater Private Hospital Agreement – Letter from RPA to Mater Private Hospital 13th January 2010 – 11 Drawings attached to the above letter 13th January 2010 – Mater Private Hospital Appendix 3 – Extract from Mater Private Hospital Agreement