



**METRO NORTH  
ORAL HEARING**

**Stage 1 Preliminary Ground  
Movement Assessment Report  
Rev 3\_Part21**

Item	Utilities Drawing No.	Affected Utility / Utility Details	Owner	Approx. Chainage	
				From	To
		620mm			
407	MN-000-UC-7006	180mm 2006	DCC	17+445	17+495
408	MN-000-UC-7006	250mm 2006	DCC	17+445	17+515
409	MN-000-UC-7006	1Way 1 x lv	ESB	17+495	17+555
410	MN-000-UC-7006	9 Way 7 x LV 1 x Arc 1 x Dead	ESB	17+535	17+555
411	MN-000-UC-7006	Unknown	ESB	17+535	17+555
412	MN-000-UC-7006	3 x 100mm	EIRCOM	17+455	17+555
413	MN-000-UC-7006	Water 250mm 2006	DCC	17+515	17+555
414	MN-000-UC-7006	Water Unknown	DCC	17+525	17+555
415	MN-000-UC-7006	42 x 100mm	EIRCOM	17+505	17+535
416	MN-000-UC-7006	Unknown	ESB	17+515	17+530
417	MN-000-UC-7006	4 x 100mm	EIRCOM	17+710	17+525
418	MN-000-UC-7006	90 (4") 25m Bar	BGE	17+395	17+535
419	MN-000-UC-7006	11Way 7 x LV 1 x Arc 2 x Tel 1 x Dead	ESB	17+505	17+535
420	MN-000-UC-7006	Water 250mm 2006	DCC	17+415	17+545
421	MN-000-UC-7006	1 x 75	EIRCOM	17+495	17+515
422	MN-000-UC-7006	4 x 100mm	EIRCOM	17+495	17+515
423	MN-000-UC-7006	1Way 1 x lv	ESB	17+505	17+505
424	MN-000-UC-7006	1Way 1 x lv	ESB	17+505	17+505
425	MN-000-UC-7006	1Way 1 x lv	ESB	17+495	17+495
426	MN-000-UC-7006	Unknown	ESB	17+495	17+505
427	MN-000-UC-7006	Drainage (Combined) 1800 x 640mm	DCC	17+545	17+555
428	MN-000-UC-7006	6 x 100mm	EIRCOM	17+545	17+555
429	MN-000-UC-7006	Drainage Combined	DCC	17+545	17+545
430	MN-000-UC-7006	Unknown	ESB	17+495	17+495
431	MN-000-UC-7006	1Way 1 x lv	ESB	17+495	17+495
432	MN-000-UC-7006	24 x 100mm	EIRCOM	17+505	17+505
433	MN-000-UC-7006	Unknown	ESB	17+495	17+505
434	MN-000-UC-7006	Unknown	ESB	17+495	17+505
435	MN-000-UC-7006	Unknown	ESB	17+495	17+495
436	MN-000-UC-7006	9 x 85mm	EIRCOM	17+455	17+545
437	MN-000-UC-7006	Unknown	EIRCOM	17+545	17+555
438	MN-000-UC-7006	Drainage Combined 2400 x 760mm	DCC	17+545	17+555
439	MN-000-UC-7006	Water Unknown	DCC	17+545	17+545
440	MN-000-UC-7006	Water Unknown	DCC	17+535	17+535
441	MN-000-UC-7006	Water Unknown	DCC	17+495	17+535
442	MN-000-UC-7006	Drainage Combined 910 x 490mm	DCC	17+435	17+525
443	MN-000-UC-7006	150 (10") 25m Bar	BGE	17+475	17+555
444	MN-000-UC-7006	Unknown	ESB	17+515	17+515
445	MN-000-UC-7006	Water 200mm	DCC	17+495	17+535
446	MN-000-UC-7006	4 x 100mm	EIRCOM	17+505	17+525

Item	Utilities Drawing No.	Affected Utility / Utility Details	Owner	Approx. Chainage	
				From	To
447	MN-000-UC-7006	1 x 50mm	EIRCOM	17+505	17+535
448	MN-000-UC-7006	Traffic Ducting	DCC	17+335	17+535
449	MN-000-UC-7006	Unknown	ESB	17+495	17+505
450	MN-000-UC-7006	1 x 50mm	EIRCOM	17+505	17+505
451	MN-000-UC-7006	2 x 50mm	EIRCOM	17+485	17+505
452	MN-000-UC-7006	1 x 50mm	EIRCOM	17+505	17+505
453	MN-000-UC-7006	1Way 1 x lv	ESB	17+505	17+505
454	MN-000-UC-7006	90 (4") 25m Bar	BGE	17+505	17+505
455	MN-000-UC-7006	24 x 100mm	EIRCOM	17+505	17+505
456	MN-000-UC-7006	Drainage Combined 790 x 485mm	DCC	17+505	17+505
457	MN-000-UC-7006	Water 150mm 1959	DCC	17+505	17+505
458	MN-000-UC-7006	Unknown	ESB	17+495	17+495
459	MN-000-UC-7006	1 x 100mm	EIRCOM	17+495	17+495
460	MN-000-UC-7006	6Way 6 x LV	ESB	17+495	17+495
461	MN-000-UC-7010	Unknown	ESB	18+240	18+250
462	MN-000-UC-7010	Unknown	ESB	18+240	18+245
463	MN-000-UC-7010	2Way 2 x LV	ESB	18+240	18+660

**Appendix G Schedule of Infrastructure Identified for Inclusion in Stage 2A Assessment**

Refer to Section 2.3, regarding chainages presented within this Stage 1 Preliminary Ground Movement Report.

Item	Infrastructure Name	Chainage		Max Predicted Settlement	Drawing Reference
		Start	End		
1	Dublin Road (R127)	3990	4360	5mm	BMN0000TU2050B03
2	Dublin Road (R127)	5450	5760	5mm	BMN0000TU2051B03
3	Dublin Road	5610	5640	5mm	BMN0000TU2051B03
4	Naul Road (R108)	6720	6710	15mm	BMN0000TU3050B03
5	North Apron	7250	7380	13mm	BMN0000TU3050B03
6	Swords Road	7530m	7550m	15mm	BMN0000TU3050B03
7	Swords Road	7550m	7890m	14mm	BMN0000TU3050B03
8	South Apron	7970m	8380m	13mm	BMN0000TU3051B03
9	Taxiway TWY B1	8450m	8485m	10mm	BMN0000TU3051B03
10	ILS Structure (LLZRWY16)	8880m	8900m	10mm	BMN0000TU3051B03
11	Airport Road	8910	8930	13mm	BMN0000TU3051B03
12	Ballymun Road (R108)	11000	12170	5mm	BMN0000TU5050B03
13	Shangan Road	11950	11970	5mm	BMN0000TU5050B03
14	Ballymun Road (R108)	12170	12920	Tbc	BMN0000TU5051B04
15	Albert College Drive	13000	13020	5mm	BMN0000TU5051B04
16	Albert College Grove	13120	13140	5mm	BMN0000TU5051B04
17	Albert College Lawn	13250	13270	5mm	BMN0000TU5051B04
18	DCU Entrance	13290	13295	5mm	BMN0000TU5051B04
19	Hampstead Avenue	13710	13720	10mm	BMN0000TU6050B04
20	Griffith Avenue	14150	14190	60mm	BMN0000TU6050B04
21	Griffith Lawns	14170	14190	10mm	BMN0000TU6050B04
22	Bantry Road	14210	14270	10mm	BMN0000TU6050B04
23	Valentia Road	14430	14500	10mm	BMN0000TU6050B04
24	Home Farm Road	14520	14560	5mm	BMN0000TU6050B04
25	Ferguson Road	14530	14640	2mm	BMN0000TU6050B04
26	Millbourne Avenue	15050	15060	2mm	BMN0000TU6051B04
27	Millmount Avenue	15100	15110	2mm	BMN0000TU6051B04
28	Tolka River	15170	15190	2mm	BMN0000TU6051B04
29	Footbridge Crossing River Tolka	15180	15200	2mm	BMN0000TU6051B04
30	Woodville Road	15200	15250	2mm	BMN0000TU6051B04
31	Botanic Avenue	15250	15270	2mm	BMN0000TU6051B04
32	Hollybank Road	15380	15400	2mm	BMN0000TU6051B04
33	Callingford Road	15450	15470	2mm	BMN0000TU6051B04
34	Dargle Road	15520	15540	2mm	BMN0000TU6051B04
35	Chapel Gate Perimeter Wall	15650	15690	2mm	BMN0000TU6051B04
36	St Joseph's Avenue	15620	15820	15mm	BMN0000TU6051B04
37	St Alphonsus Road	15630	15645	4mm	BMN0000TU6051B04
38	St Patrick's Road	15650	15740	2mm	BMN0000TU6051B04
39	Drumcondra Road Lower	15740	15800	2mm	BMN0000TU6051B04
40	Drumcondra Railway Bridge	15780	15800	2mm	BMN0000TU6051B04
41	Iarnród Éireann Railway	15780	15800	7mm	BMN0000TU6051B04
42	St Anne's Road North	15815	15830	3mm	BMN0000TU6051B04

Item	Infrastructure Name	Chainage		Max Predicted Settlement	Drawing Reference
		Start	End		
43	Gratton Parade	15860	15870	2mm	BMN0000TU6052B03
44	St Patrick's Road	15920	15960	5mm	BMN0000TU6052B03
45	Whitworth Road	15960	15980	8mm	BMN0000TU6052B03
46	Iarnród Éireann Railway	15980	16000	10mm	BMN0000TU6052B03
47	Royal Canal	16010	16030	10mm	BMN0000TU6052B03
48	St Ignatius Road	16080	16095	8mm	BMN0000TU6052B03
49	Glengarriff Crescent	16130	16150	10mm	BMN0000TU6052B03
50	Innisfallen Parade	16165	16180	10mm	BMN0000TU6052B03
51	Derrynane Parade	16180	16290	20mm	BMN0000TU6052B03
52	Kenmare Parade	16205	16215	10mm	BMN0000TU6052B03
53	Muckcross Parade	16240	16250	13mm	BMN0000TU6052B03
54	Killareny Parade	16240	16290	18mm	BMN0000TU6052B03
55	Valentia Parade	16280	16290	8mm	BMN0000TU6052B03
56	North Circular Road (R101)	16290	16310	35mm	BMN0000TU6052B03
57	Leo Street	16310	16470	25mm	BMN0000TU6052B03
58	Mater Hospital Car Park	16340	16540	60mm	BMN0000TU6052B03
59	St Joseph's Street	16360	16380	13mm	BMN0000TU6052B03
60	Josephine Avenue	16410	16420	13mm	BMN0000TU6052B03
61	Leo Ave	16450	16470	23mm	BMN0000TU6052B03
62	Eccles Street	16540	16560	38mm	BMN0000TU6052B03
63	St Joseph's Parade	16630	16640	30mm	BMN0000TU7050B05
64	St Joseph's Place	16640	16680	20mm	BMN0000TU7050B05
65	St Joseph's Place	16650	16700	40mm	BMN0000TU7050B05
66	Blessington Court	16660	16740	30mm	BMN0000TU7050B05
67	Blessington Street	16740	16780	30mm	BMN0000TU7050B05
68	Dorset Street Lower (N1)	16740	16800	25mm	BMN0000TU7050B05
69	Dorset Street Upper (N1)	16780	16810	30mm	BMN0000TU7050B05
70	Frederick Street North	16800	17000	40mm	BMN0000TU7050B05
71	Hardwicke Street	16860	16880	15mm	BMN0000TU7050B05
72	Denmark Street / Gardiner Row	16980	16995	25mm	BMN0000TU7050B05
73	Frederick Lane North	16970	16970	30mm	BMN0000TU7050B05
74	Parnell Square North	17050	17050	50mm	BMN0000TU7050B05
75	Parnell Square East	17060	17230	60mm	BMN0000TU7050B05
76	Garden of remembrance	17090	17090	20mm	BMN0000TU7050B05
77	Cavendish Row	17160	17240	60mm	BMN0000TU7050B05
78	Parnell Street	17230	17260	30mm	BMN0000TU7050B05
79	Fountain and water trough – Cavendish row	17260	17260	40mm	BMN0000TU7050B05
80	Charles Stewart Parnell Monument - O'Connell Street	17240	17240	30mm	BMN0000TU7050B05
81	O'Connell Street Upper	17260	17560	40mm	BMN0000TU7050B05
82	Cathal Brugha	17310	17320	10mm	BMN0000TU7050B05
83	Father Mathew monument - O'Connell Street Upper	17420	17420	25mm	BMN0000TU7050B05
84	Cathedral Street	17490	17500	20mm	BMN0000TU7050B05
85	Earl Street North	17550	17570	2mm	BMN0000TU7050B05
86	Henry Street	17550	17570	5mm	BMN0000TU7050B05
87	O'Connell Street Lower	17620	17880	20mm	BMN0000TU7050B05
88	The Spire - O'Connell Street	17560	17560	5mm	BMN0000TU7050B05
89	GPO Arcade - Prince's Street North	17600	17600	2mm	BMN0000TU7050B05
90	Bollards at GPO kerbline -	17600	17600	5mm	BMN0000TU7050B05

Item	Infrastructure Name	Chainage		Max Predicted Settlement	Drawing Reference
		Start	End		
	O'Connell Street Lower				
91	Prince's Street North	17635	17650	2mm	<u>BMN0000TU7050B05</u>
92	Sackville Place	17665	17670	2mm	<u>BMN0000TU7050B05</u>
93	Sir John Gray monument - O'Connell Street Lower	17760	17760	2mm	<u>BMN0000TU7050B05</u>
94	Abbey Street Middle	17780	17780	5mm	<u>BMN0000TU7050B05</u>
95	Abbey Street Lower	17780	17780	5mm	<u>BMN0000TU7050B05</u>
96	LUAS line	17780	17780	5mm	<u>BMN0000TU7050B05</u>
97	William Smith O'Brien monument - O'Connell Street Lower	17740	17740	To be relocated	<u>BMN0000TU7050B05</u>
98	Bachelors Way	17820	17880	4mm	<u>BMN0000TU7050B05</u>
99	Eden Quay	17880	17880	5mm	<u>BMN0000TU7050B05</u>
100	O'Connell Bridge Monument - O'Connell Street	17800	17800	To be relocated	<u>BMN0000TU7050B05</u>
101	O'Connell Bridge - O'Connell Street	17860	17860	20mm	<u>BMN0000TU7050B05</u>
102	Bachelors Walk	17880	17880	15mm	<u>BMN0000TU7050B05</u>
103	O'Connell Bridge	17880	17950	20mm	<u>BMN0000TU7050B05</u>
104	River Liffey	17880	17950	20mm	<u>BMN0000TU7050B05</u>
105	Burgh Quay	17960	17960	2mm	<u>BMN0000TU7050B05</u>
106	Aston Quay	17960	17960	15mm	<u>BMN0000TU7050B05</u>
107	Westmorland Street	17950	18150	10mm	<u>BMN0000TU7051B05</u>
108	D'Olier Street	17950	18040	5mm	<u>BMN0000TU7051B05</u>
109	Stone archway - Price's Lane, Ranelagh	17940	17940	5mm	<u>BMN0000TU7051B05</u>
110	Fleet Street	17980	18010	2mm	<u>BMN0000TU7051B05</u>
111	College Street	18050	18110	2mm	<u>BMN0000TU7051B05</u>
112	College Green	18140	18190	8mm	<u>BMN0000TU7051B05</u>
113	Statues of Goldsmith and Burke College Green: Trinity College 2 Statues of Oliver Goldsmith and Edmund Burke Entrance gates etc.- College Green	18150	18150	5mm	<u>BMN0000TU7051B05</u>
114	Henry Grattan monument - College Green	18160	18160	5mm	<u>BMN0000TU7051B05</u>
115	Suffolk Street	18260	18280	8mm	<u>BMN0000TU7051B05</u>
116	Gelendinning Lane	18310	18320	2mm	<u>BMN0000TU7051B05</u>
117	Wicklow Street	18345	18360	2mm	<u>BMN0000TU7051B05</u>
118	Johnson Courts	18450	18460	2mm	<u>BMN0000TU7051B05</u>
119	Swan Yard	18480	18520	2mm	<u>BMN0000TU7051B05</u>
120	Harry Street	18510	18530	2mm	<u>BMN0000TU7051B05</u>
121	Chatham Street	18580	18580	2mm	<u>BMN0000TU7051B05</u>
122	Tangier Lane	18600	18600	2mm	<u>BMN0000TU7051B05</u>
123	Grafton Street	18560	18670	15mm	<u>BMN0000TU7051B05</u>
124	King Street South	18670	18670	15mm	<u>BMN0000TU7051B05</u>
125	St Stephens Green North	18670	18800	20mm	<u>BMN0000TU7051B05</u>
126	St Stephens Green West	18670	18800	20mm	<u>BMN0000TU7051B05</u>
127	St Stephens Green, Fusilier's Arch - St Stephen's Green	18720	18720	Inside Stop Box Area	<u>BMN0000TU7051B05</u>
128	Perimeter gates, railings and walls	18720	End Route	5mm	<u>BMN0000TU7051B05</u>
129	Bollards and lamp posts	18720	End Route	5mm	<u>BMN0000TU7051B05</u>
130	Dawson Street	18780	18780	2mm	<u>BMN0000TU7051B05</u>

Item	Infrastructure Name	Chainage		Max Predicted Settlement	Drawing Reference
		Start	End		
131	Robert Emmet memorial	18780	18780	5mm	BMN0000TU7051B05
132	Fountain and horse trough	18790	18790	2mm	BMN0000TU7051B05
133	Pavilion (two in number)	18870 & 18950	18870 & 18950	35mm & 5mm	BMN0000TU7051B05
134	Fountains (two in number)	18890 & 18930	18890 & 18930	15mm & 2mm	BMN0000TU7051B05
135	Statue of James Clarence Mangan	18920	18920	5mm	BMN0000TU7051B05
136	Statue of Countess Markievicz	18950	18950	5mm	BMN0000TU7051B05
137	Bandstand	18960	18960	2mm	BMN0000TU7051B05
138	LUAS line	18760	18900	7mm (note section of LUAS line located inside Stop Box)	BMN0000TU7051B05

**Amendment Tracker – Infrastructure Added\* to Revision 3 Infrastructure Schedule**

\*Infrastructure has been added to this Revision 3.

Revision 3 Item No.	Infrastructure Name	Chainage		Max Predicted Settlement	Drawing Reference	Reasons for Inclusion
		Start	End			
138	LUAS line	18760	18900	7mm & Partially Inside Stop Box Area	BMN0000TU7051B05	

**Amendment Tracker – Infrastructures Amended\* from Revision 2 to Revision 3 Infrastructure Schedule**

\*Infrastructures in the area of O’Connell Bridge Stop have been reviewed as consequence of the new design of O’Connell Bridge Stop.

Revision 2 Item No.	Revision 3 Item No.	Infrastructure Name	Chainage		Max Predicted Settlement	Drawing Reference	Reasons for Inclusion
			Start	End			
87	87	O’Connell Street Lower	17620	17880	20mm	BMN0000TU7050B05	Max Settlement Changed from 50mm to 20mm
93	93	Sir John Gray monument - O’Connell Street Lower	17760	17760	2mm	BMN0000TU7050B05	Max Settlement Changed from 50mm to 2mm
94	94	Abbey Street Middle	17780	17780	5mm	BMN0000TU7050B05	Max Settlement Changed from 2mm to 5mm
95	95	Abbey Street Lower	17780	17780	5mm	BMN0000TU7050B05	Max Settlement Changed from 2mm to 5mm
96	96	LUAS line	17780	17780	5mm	BMN0000TU7050B05	Max Settlement Changed from 50mm to 5mm
98	98	Bachelors Way	17820	17880	4mm	BMN0000TU7050B05	Max Settlement Changed from 2mm to 4mm
99	99	Eden Quay	17880	17880	5mm	BMN0000TU7050B05	Max Settlement Changed from 10mm to 5mm
101	101	O’Connell Bridge - O’Connell Street	17860	17860	20mm	BMN0000TU7050B05	Max Settlement Changed from 50mm to 20mm
102	102	Bachelors Walk	17880	17880	15mm	BMN0000TU7050B05	Max Settlement Changed from 20mm to 15mm
103	103	O’Connell Bridge	17880	17950	20mm	BMN0000TU7050B05	Max Settlement Changed from 30mm to 20mm
104	104	River Liffey	17880	17950	20mm	BMN0000TU7050B05	Max Settlement Changed from 30mm to 20mm
105	105	Burgh Quay	17960	17960	2mm	BMN0000TU7050B05	Max Settlement Changed from 30mm to 2mm
106	106	Aston Quay	17960	17960	15mm	BMN0000TU7050B05	Max Settlement Changed from 20mm to 15mm
107	107	Westmorland Street	17950	18150	10mm	BMN0000TU7051B05	Max Settlement Changed from 10mm to 15mm

Railway Procurement Agency  
Ghníomhaireacht um Fháil Iamróid  
Parkgate Business Centre,  
Parkgate Street, Dublin 8, Ireland  
Phone +353 1 646 3400  
Fax +353 1 646 3401  
[www.rpa.ie](http://www.rpa.ie)

Responsible for

LUAS METRO

Integrated  
Ticketing  
System

With funding and  
support from

**transport21**  
progress in motion

