

28th SUPPLEMENTAL AGREEMENT

between

NETWORK RAIL INFRASTRUCTURE LIMITED
as Network Rail

And

GOVIA THAMESLINK RAILWAY LIMITED
as Train Operator

relating to the Track Access Contract (Passenger
Services) dated 02 March 2016

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THIS 28TH SUPPLEMENTAL AGREEMENT is dated

2019 and made

BETWEEN:

- (1) **NETWORK RAIL INFRASTRUCTURE LIMITED**, a company registered in England under number 2904587 having its registered office at 1 Eversholt Street, London, NW1 2DN ("Network Rail"); and
- (2) **GOVIA THAMESLINK RAILWAY LIMITED**, a company registered in England under number 07934306, having its registered office at 3rd Floor, 41-51 Grey Street, Newcastle upon Tyne, NE1 6EE (the "Train Operator").

WHEREAS:

- (A) The parties entered into a Track Access Contract (Passenger Services) dated 02 March 2016 in a form approved by the Office of Rail and Road ("ORR") pursuant to Section 18(7) of the Act, as amended by various supplemental agreements each in a form approved by ORR pursuant to Section 22 of the Act (which track access contract as subsequently amended is hereafter referred to as the "Contract").
- (B) The parties wish to amend the Contract in the terms described below.

IT IS HEREBY AGREED as follows:

1. INTERPRETATION

In this Supplemental Agreement:

- 1.1 Words and expressions defined in and rules of interpretation set out in the Contract shall have the same meaning and effect when used in this Supplemental Agreement except where the context requires otherwise; and
- 1.2 "Effective Date" means:
 - (1) the date upon which the Office of Rail and Road issues its approval, pursuant to Section 22 of the Act, of the terms of this Supplemental Agreement.
 - (2) Subsidiary Change Date 2019
- 1.3 "Annex" shall mean the annexes and their relevant parts and attached hereto.

2. EFFECTIVE DATE AND TERM

- 2.1. The amendments to the Contract pursuant to this Supplemental Agreement shall have effect from the Effective Date and shall cease to have effect on the Expiry Date or earlier termination of the Contract.

3. AMENDMENTS TO THE CONTRACT

- 3.1 Table 2.1 Passenger Train Slots of Schedule 5 of the Contract, the entries relating to Service Groups ET01, ET02, ET04, ET05 and ET12 shall be deleted and replaced by those as set out in Annex A to this Supplemental Agreement.
- 3.2 Table 2.2 Additional Passenger Train Slots of Schedule 5 of the Contract, the entries relating to ET05 shall be deleted in its entirety and replaced by those as set out in Annex B to this Supplemental Agreement.
- 3.3 The Footnotes to Table 2.2 Additional Passenger Train Slots of Schedule 5 shall added at the bottom of Table 2.2 as those set out in Annex C to this Supplemental Agreement.
- 3.4 After Paragraph 2.3 of Schedule 5 of the Contract the following paragraph 2.3.1 shall be added as follows:
- “2.3.1 If the Train Operator submits Access Proposals under the timetable process in Part D of the Network Code which seeks to combine a Firm Right for a Passenger Train Slot and a Contingent Right for an additional Passenger Train Slot at St Pancras International (northbound) or Blackfriars (southbound) in order to provide a through service, if the Access Proposal using the Contingent Right is rejected by Network Rail, the corresponding Firm Right shall also be considered as a Contingent Right.
- 3.5 Table 4.1 Calling Patterns of Schedule 5 of the Contract, the entries related to ET04 and ET05 shall be deleted in its entirety and replaced by those as set out in Annex D to this Supplemental Agreement.

4. GENERAL

The Contract, as amended by this Supplemental Agreement, shall remain in full force and effect in accordance with its terms, and during the period in which the amendments made by this Supplemental Agreement are to have effect, all references in the Contract to “the contract”, “herein”, “hereof”, “hereunder” and other similar expressions shall, unless the context requires otherwise, be read and construed as a reference to the Contract as amended by this Supplemental Agreement.

5. THIRD PARTY RIGHTS

No person who is not a party to this Supplemental Agreement shall have any right under the Contracts (Rights of Third Parties) Act 1999 to enforce any term of this Supplemental Agreement.

6. LAW

This Supplemental Agreement shall be governed by, construed and given effect to in all respects in accordance with English Law.

7. COUNTERPARTS

This Supplemental Agreement may be executed in any number of counterparts, each of which when executed and delivered shall constitute an original, but all the counterparts shall together constitute but one and the same document.

IN WITNESS whereof the duly authorised representatives of Network Rail and the Train Operator have executed this Supplemental Agreement on the date first above written.

SIGNED by.....

Print name.....

Duly authorised for and on behalf of
NETWORK RAIL INFRASTRUCTURE LIMITED

SIGNED by.....

Print name.....

Duly authorised for and on behalf of
GOVIA THAMESLINK RAILWAY LIMITED

Annex A

Table 2.1 Passenger Train Slots

1						2					
Service Group: ET02											
Service description: Thameslink Sussex Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ¹		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Blackfriars	Brighton	London Bridge	2.1	22721000	700	0	6 ²⁰	29 ²⁰	35 ²⁰	35 ²⁰	29 ²⁰
Blackfriars ⁵⁹	Brighton ⁵⁹	London Bridge	2.2	22721000	700	0	6 ²¹	26 ²¹	32 ²¹	17 ²¹	0
Blackfriars	Brighton	Selhurst	2.3	22721000	700	0	0	3 ²⁰	3 ²⁰	3 ²⁰	2 ²⁰
London Bridge	Brighton		2.4	22721000	700	0	0	0	0	0	3
Brighton	St Pancras International	London Bridge	2.5	22721000	700	6 ²²	0	29 ²²	35 ²²	35 ²²	28 ²²
Brighton ⁵⁹	St Pancras International ⁵⁹	London Bridge	2.6	22721000	700	6 ²³	0	26 ²³	32 ²³	18 ²³	0
Brighton	St Pancras International	Selhurst	2.7	22721000	700	0	0	4 ²²	4 ²²	4 ²²	4 ²²

1						2					
Service Group: ET02											
Service description: Thameslink Sussex Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ¹		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Brighton	London Bridge		2.8	22721000	700	0	0	0	0	0	3
Blackfriars	Littlehampton	London Bridge & Haywards Heath	2.9	22721000	700	0	2 ²⁰	1 ²⁰	3 ²⁰	0	0
Littlehampton	St Pancras International	London Bridge & Haywards Heath	2.10	22721000	700	2 ²²	0	0	2 ²²	0	0
Littlehampton	Haywards Heath		2.11	22721000	700	0	0	1	1	0	0
Blackfriars ⁶⁰	Gatwick Airport ⁶⁰	London Bridge	2.12	22729000	700	0	6 ²⁰	16 ²⁰	32 ²⁰	28 ²⁰	24 ²⁰

1						2					
Service Group: ET02											
Service description: Thameslink Sussex Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ¹		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
London Bridge	Gatwick Airport	London Bridge	2.13	22729000	700	0	0	0	0	0	1
Gatwick Airport ⁶²	St Pancras International ⁶²	London Bridge	2.14	22729000	700	4 ²	0	30 ²²	34 ²²	31 ²²	26 ²²
Blackfriars ⁶¹	Three Bridges ⁶¹	London Bridge	2.15	22729000	700	0	0	6 ²⁴	6 ²⁴	5 ²⁴	17 ²⁴
Blackfriars	Three Bridges	Selhurst	2.16	22729000	700	0	0	3 ²⁰	3 ²⁰	1 ²⁰	2 ⁰
London Bridge	Three Bridges		2.17	22729000	700	0	0	2	2	0	0
Three Bridges ⁶³	St Pancras International ⁶³	London Bridge	2.18	22729000	700	2 ²⁰	0	5 ²²	7 ²²	2 ²²	14 ²²
Three Bridges	St Pancras International	Selhurst	2.19	22729000	700	0	0	2 ²²	2 ²²	7 ²²	0

1						2					
Service Group: ET02											
Service description: Thameslink Sussex Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ¹		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Three Bridges	London Bridge		2.20	22729000	700	0	0	0	0	0	2
Blackfriars ⁵⁹	Horsham ⁵⁹	London Bridge	2.21	22729000	700	0	6 ²⁵	30 ²⁵	36 ²⁵	35 ²⁵	13 ²⁵
London Bridge	Horsham		2.22	22729000	700	0	0	0	0	0	3
Horsham ⁶⁴	St Pancras International ⁶⁴	London Bridge	2.23	22729000	700	6 ²⁶	0	30 ²⁶	36 ²⁶	35 ²⁶	13 ²⁶
Horsham ⁶⁵	St Pancras International ⁶⁵	Selhurst	2.24	22729000	700	0	0	1 ²⁶	1 ²⁶	1 ²⁶	0
Horsham	London Bridge		2.25	22729000	700	0	0	0	0	0	3
Horsham	Three Bridges		2.26	22729000	700	0	0	0	0	0	1
Blackfriars	East Grinstead	London Bridge	2.27	22729001	700	0	6 ²⁹	5 ²⁹	11 ²⁹	0	0
London Bridge	East Grinstead		2.28	22729001	700	0	0	1	1	0	0

1						2					
Service Group: ET02											
Service description: Thameslink Sussex Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ¹		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
East Grinstead	St Pancras International	London Bridge	2.29	22729001	700	2 ²⁰	0	3 ²⁰	5 ²⁰	0	0
East Grinstead	London Bridge		2.30	22729001	700	0	0	1	1	0	0
London Bridge	Gatwick Airport	Quarry Lines	2.31	22729000	700	0	0	1	1	0	0
London Bridge	Horsham	Quarry Lines	2.32	22729000	700	0	0	1	1	0	0

1						2					
Service Group: ET04											
Service description: Great Northern Metro											
From	To	Via	Description	TSC	Timing Load	Peak times ⁴		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Hertford North	Moorgate		4.1	21724000	313	1	0	27	28	37	2
Hertford North	Moorgate		4.2	21724000	313	1	0	4	5	0	0
Hertford North	Moorgate		4.3	21724000	313	7	0	1	8	0	0
Stevenage	Moorgate	Hertford North	4.4	21724000	313	1	0	2	3	21	34
Watton-on-Stone	Moorgate		4.5	21724000	313	5	0	29	35	17	0
Gordon Hill	Moorgate		4.6	21724000	313	7	0	4	11	0	0
Finsbury Park	Moorgate		4.7	21724000	313	0	0	5	5	2	1
Welwyn Garden City	Moorgate		4.8	21723000	313	6	0	21	27	38	34
Welwyn Garden City	Moorgate		4.9	21723000	313	0	0	25	25	32	27
Welwyn Garden City	Moorgate		4.10	21723000	313	6	0	13	19	0	0
Welwyn Garden City	Kings Cross		4.11	21723000	313	0	0	1	1	1	0
Welwyn Garden City	Kings Cross		4.12	22723100	700	6	0	7	13	1	0

1						2					
Service Group: ET04											
Service description Great Northern Metro (continued)											
From	To	Via	Description	TSC	Timing Load	Peak times ⁴		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Moorgate	Hertford North		4.15	21724000	313	0	1	26	27	33	2
Moorgate	Hertford North		4.16	21724000	313	0	1	8	9	0	0
Moorgate	Hertford North		4.17	21724000	313	0	0	3	3	0	0
Moorgate	Stevenage	Hertford North	4.18	21724000	313	0	0	3	3	20	33
Moorgate	Watton-on-Stone		4.19	21724000	313	0	6	29	35	18	0
Moorgate	Gordon Hill		4.20	21724000	313	0	6	6	12	0	0
Moorgate	Finsbury Park		4.21	21724000	313	0	0	1	1	0	1
Moorgate	Welwyn Garden City		4.22	21723000	313	0	11	28	39	38	37
Moorgate	Welwyn Garden City		4.23	21723000	313	0	0	28	28	34	25
Moorgate	Welwyn Garden City		4.24	21723000	313	0	1	4	5	0	0

1						2					
Service Group: ET04											
Service description: Great Northern Metro (continued)											
From	To	Via	Description	TSC	Timing Load	Peak times ⁴		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Kings Cross	Hertford North		4.25	21724000	313	0	0	2	2	2	1
Kings Cross	Stevenage	Hertford North	4.26	21724000	313	0	0	0	0	1	2
Kings Cross	Welwyn Garden City		4.27	21723000	313	0	0	0	0	0	1
Kings Cross	Finsbury Park		4.28	21723000	313	0	0	0	0	0	1
Kings Cross	Welwyn Garden City		4.29	22723100	700	0	5	8	13	2	0
Kings Cross	Watton-at-Stone		4.30	21724000	313	0	0	1	1	0	0

1						2					
Service Group: ET05 ⁶⁶											
Service description: Great Northern Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ⁵		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Peterborough	King's Cross	Welwyn Garden City	5.1	21727000	365	6	0	6	12	3	3
Peterborough	King's Cross	Welwyn Garden City	5.2	21727000	365	0	0	0	0	0	1
Peterborough	King's Cross	Welwyn Garden City	5.3	22727100	700	0	0	4	4	4	4
Peterborough	Blackfriars	Welwyn Garden City	5.4	22727100	700	6	0	30 ³⁸	36 ³⁸	36 ³⁸	13 ³⁸
King's Lynn	King's Cross	Welwyn Garden City	5.5	21725000	365	5	0	17	22	19	15
King's Lynn	Cambridge		5.7	21725000	365	0	0	1	1	1	0
Ely	King's Cross	Welwyn Garden City	5.8	21725000	365	0	0	12	12	17	0
Ely	Cambridge		5.9	21725000	365	0	0	0	3	2	0
Cambridge North	King's Cross	Welwyn Garden City	5.11	22726100	700	2	0	15	17	17	0

1						2					
Service Group: ET05 ⁶⁶											
Service description: Great Northern Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ⁵		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Cambridge	Blackfriars	Welwyn Garden City	5.13	22726100	700	3 ⁴⁰	0	13 ⁴⁰	16 ⁴⁰	16 ⁴⁰	14 ⁴⁰
Cambridge	King's Cross	Welwyn Garden City	5.14	21726000	365	0	0	0	1	0	1
Cambridge	King's Cross	Welwyn Garden City	5.15	22726100	700	4	0	15	19	20	2
Cambridge	King's Cross	Welwyn Garden City	5.16	21726000	365	0	0	0	0	0	17
Baldock	King's Cross	Welwyn Garden City	5.17	21726000	365	1	0	1	2	0	0
Royston	King's Cross	Welwyn Garden City	5.18	22726100	700	0	0	1	1	1	0
Royston	King's Cross	Welwyn Garden City	5.19	21726000	365	1	0	0	1	0	0
Letchworth Garden City	King's Cross	Welwyn Garden City	5.20	22726100	700	0	0	2	2	1	3

1						2					
Service Group: ET05 ⁶⁶											
Service description: Great Northern Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ⁵		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
King's Cross	Peterborough	Welwyn Garden City	5.21	21727000	365	0	5	5	10	3	3
King's Cross	Peterborough	Welwyn Garden City	5.22	22727100	700	0	0	4	4	4	4
King's Cross	Peterborough	Welwyn Garden City	5.23	21727000	365	0	0	0	0	0	1
St Pancras International	Peterborough	Welwyn Garden City	5.24	22727100	700	0	6 ⁴¹	30 ⁴¹	36 ⁴¹	36 ⁴¹	13 ⁴¹
King's Cross	King's Lynn	Welwyn Garden City	5.25	21725000	365	0	4	18	22	21	16
Cambridge	King's Lynn		5.26	21725000	365	0	0	3	3	0	0
King's Cross	Ely	Welwyn Garden City	5.27	21725000	365	0	2	11	13	14	0
Cambridge	Ely		5.28	21725000	365	0	0	2	2	1	0
St Pancras International	Cambridge	Welwyn Garden City	5.31	22726100	700	0	3 ⁴³	15 ⁴³	18 ⁴³	18 ⁴³	14 ⁴³

1						2					
Service Group: ET05 ⁶⁶											
Service description: Great Northern Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ⁵		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
King's Cross	Baldock	Welwyn Garden City	5.32	21726000	365	0	3	0	3	0	0
King's Cross	Cambridge	Welwyn Garden City	5.33	21726000	365	0	0	1	1	0	2
King's Cross	Cambridge	Welwyn Garden City	5.34	22726100	700	0	3	20	23	24	1
King's Cross	Cambridge	Welwyn Garden City	5.35	21726000	365	0	0	0	0	0	18
King's Cross	Cambridge North	Welwyn Garden City	5.36	22726100	700	0	3	13	16	16	0
King's Cross	Letchworth Garden City	Welwyn Garden City	5.37	22726100	700	0	0	2	2	1	3
King's Cross	Royston	Welwyn Garden City	5.38	22726100	700	0	0	2	2	0	0

1						2					
Service Group: ET12											
Service description: Thameslink North Metro (MML)											
From	To	Via	Description	TSC	Timing Load	Peak times ¹		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
St Pancras International	Luton		12.1	22728000	700	0	12 ⁴⁸	33 ⁴⁸	45 ⁴⁸	33 ⁴⁸	26 ⁴⁸
St Pancras International	St Albans		12.2	22728000	700	0	12 ⁴⁹	52 ⁴⁹	64 ⁴⁹	62 ⁴⁹	20 ⁴⁹
St Pancras International	West Hampstead Thameslink		12.3	22728000	700	0	0	8 ⁴⁸	8 ⁴⁸	4 ⁴⁸	2 ⁴⁸
St Pancras International	Kentish Town		12.4	22728000	700	0	0	18 ⁴⁸	18 ⁴⁸	31 ⁴⁸	26 ⁴⁸
Luton	Blackfriars		12.5	22728000	700	9 ⁵⁰	0	34 ⁵⁰	43 ⁵⁰	33 ⁵⁰	26 ⁵⁰
Luton	St Pancras		12.6	22728000	700	0	0	0	0	0	1
St Albans	Blackfriars		12.7	22728000	700	12 ⁵¹	0	55 ⁵¹	67 ⁵¹	68 ⁵¹	20 ⁵¹
West Hampstead Thameslink	Blackfriars		12.8	22728000	700	0 ⁵⁰	0	10 ₅₀	9 ⁵⁰	5 ⁵⁰	2 ⁵⁰

1						2					
Service Group: ET12											
Service description: Thameslink North Metro											
From	To	Via	Description	TSC	Timing Load	Peak times ¹		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Kentish Town	Blackfriars		12.9	22728000	700	0	0	19 ⁵²	19 ⁵²	32 ⁵²	23 ⁵²
St Pancras International	Blackfriars		12.10	22728000	700	0	0	1 ⁵³	1 ⁵³	0	1 ⁵³

Annex B

Table 2.2: Additional Passenger Train Slots

1						2					
Service Group: ET05 ⁶⁶											
Service description: Great Northern Outer											
From	To	Via	Description	TSC	Timing Load	Peak times ⁵		Off-Peak times ²	Total Weekday ³	Saturday	Sunday
						Morning Peak	Evening Peak				
Cambridge ⁴	Blackfriars ⁴	Welwyn Garden City	5.13	22726100	700	3 ⁴⁰	0	13 ⁴⁰	16 ⁴⁰	0	0
Baldock ⁴	Kings Cross ⁴	Welwyn Garden City	5.17	21760000	365	2	0	0	2	0	0
Royston ⁴	Kings Cross ⁴	Welwyn Garden City	5.19	21760000	265	1	0	0	1	0	0
St Pancras International ⁴	Cambridge ⁴	Welwyn Garden City	5.31	22726100	700	0	3 ⁴³	11 ⁴³	14 ⁴³	0	0
Kings Cross ⁴	Baldock ⁴	Welwyn Garden City	5.32	21760000	365	0	2	2	4	0	0
Kings Cross ⁴	Letchworth Garden City ⁴	Welwyn Garden City	5.37	22726100	700	0	0	1	1	0	0

Annex C

Footnotes to Table 2.2

- 1 Peak times – means Services scheduled on any part of a Weekday arriving at King's Cross or Farringdon between 07:00 and 09:59 (the "Morning Peak"), departing King's Cross or Farringdon between 16:00 and 18:59 (the "Evening Peak").
- 2 Off-Peak times - arriving at and departing from a relevant station outside Peak times.
- 3 Passenger Train Slots listed under the sub-headings "Peak times" and "Off-Peak times" are the constituent parts of, and are not in addition to, those listed under the sub-heading "Weekday".
- 4 These access rights expire at SCD 2020.

Annex D

Table 4.1: Calling Patterns

1					2	3
Service Group: ET04						
Service description: Great Northern Metro						
Between	And	Via	Description	TSC	Regular Calling Pattern	Additional stations
Hertford North	Moorgate		4.1/4.15	21724000	Bayford, Cuffley, Crews Hill, Gordon Hill, Enfield Chase, Grange Park, Winchmore Hill, Palmers Green, Bowes Park, Alexandra Palace, Hornsey, Harringay, Finsbury Park, Drayton Park, Highbury & Islington, Essex Road, Old Street.	
Hertford North	Moorgate		4.2/4.16	21724000	Cuffley, Gordon Hill, Enfield Chase, Grange Park, Winchmore Hill, Palmers Green, Bowes Park, Alexandra Palace, Hornsey, Harringay Finsbury Park, Drayton Park, Highbury & Islington, Essex Road, Old Street.	
Hertford North	Moorgate		4.3/4.17	21724000	Bayford, Cuffley, Crews Hill, Gordon Hill, Enfield Chase, Winchmore Hill, Palmers Green, Alexandra Palace, Hornsey, Harringay, Finsbury Park, Drayton Park, Highbury & Islington, Essex Road, Old Street.	
Stevenage	Moorgate	Hertford North	4.4/4.18	21724000	Watton-at-Stone, Hertford North, Cuffley, Gordon Hill, Enfield Chase, Winchmore Hill, Palmers Green, Alexandra Palace, Hornsey, Harringay, Finsbury Park, Drayton Park, Highbury & Islington, Essex Road, Old Street.	Bayford, Crews Hill, Grange Park, Bowes Park

1					2	3
Service Group: ET04						
Service description: Great Northern Metro						
Between	And	Via	Description	TSC	Regular Calling Pattern	Additional stations
Watton-on-Stone	Moorgate		4.5/4.19	21724000	Hertford North, Cuffley, Gordon Hill, Enfield Chase, Winchmore Hill, Palmers Green, Bowes Park, Alexandra Palace, Hornsey, Harringay, Finsbury Park, Drayton Park, Highbury and Islington, Essex Road, Old Street	
Gordon Hill	Moorgate		4.6/4.20	21724000	Enfield Chase, Grange Park, Winchmore Hill, Palmers Green, Bowes Park, Alexandra Palace, Hornsey, Harringay, Finsbury Park, Drayton Park, Highbury & Islington, Essex Road, Old Street.	
Finsbury Park	Moorgate		4.7/4.21	21724000	Drayton Park, Highbury & Islington, Essex Road, Old Street.	
Welwyn Garden City	Moorgate		4.8/4.22	21723000	Hatfield, Welham Green, Brookmans Park, Potters Bar, Hadley Wood, New Barnet, Oakleigh Park, New Southgate, Alexandra Palace, Finsbury Park, Drayton Park, Highbury & Islington, Essex Road, Old Street.	
Welwyn Garden City	Moorgate		4.9/4.23	21723000	Hatfield, Potters Bar, Hadley Wood, New Barnet, Oakleigh Park, New Southgate, Alexandra Palace, Hornsey, Harringay, Finsbury Park, Drayton Park, Highbury & Islington, Essex Road, Old Street.	

1					2	3
Service Group: ET04						
Service description: Great Northern Metro						
Between	And	Via	Description	TSC	Regular Calling Pattern	Additional stations
Welwyn Garden City	Moorgate		4.10/4.24	21723000	Hatfield, Welham Green, Brookmans Park, Potters Bar, New Barnet, Alexandra Palace, Hornsey, Harringay, Finsbury Park, Drayton Park, Highbury & Islington, Essex Road, Old Street.	Hadley Wood, Oakleigh Park, New Southgate
Welwyn Garden City	King's Cross		4.11/4.27	21723000	Hatfield, Welham Green, Brookmans Park, Potters Bar, Hadley Wood, New Barnet, Oakleigh Park, New Southgate, Alexandra Palace, Hornsey, Harringay, Finsbury Park,	
Welwyn Garden City	King's Cross		4.12/4.29	22723100	Hatfield, Potters Bar, New Barnet, Oakleigh Park, New Southgate, Finsbury Park	Hadley Wood
Kings Cross	Hertford North		4.25	21724000	Finsbury Park, Harringay, Hornsey, Alexandra Palace, Bowes Park, Palmers Green, Winchmore Hill, Grange Park, Enfield Chase, Gordon Hill, Cuffley	Crews Hill, Bayford
Kings Cross	Stevenage	Hertford North	4.26	21724000	Finsbury Park, Harringay, Hornsey, Alexandra Palace, Palmers Green, Winchmore Hill, Enfield Chase, Gordon Hill, Crews Hill, Cuffley, Bayford, Hertford North, Watton-at-Stone	

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Service Group: ET04							
Service description: Great Northern Metro							
Between	And	Via	Description	TSC	Regular Calling Pattern	Additional stations	
Kings Cross	Watton-at-Stone		4.30	21724000	Finsbury Park, Harringay, Hornsey, Alexandra Palace, Palmers Green, Winchmore Hill, Enfield Chase, Gordon Hill, Crews Hill, Cuffley, Bayford, Hertford North		

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Service Group: ET05						
Service description: Great Northern Outer						
Between	And	Via	Description	TSC	Regular Calling Pattern	Additional stations
Peterborough	Kings Cross	Welwyn Garden City	5.1/5.21	21727000	Huntingdon, St Neots, Biggleswade, Stevenage,	
Peterborough	Kings Cross	Welwyn Garden City	5.2/5.22	21727000	Huntingdon, St Neots, Sandy, Biggleswade, Arlesey, Hitchin, Stevenage, Knebworth, Welwyn North, Welwyn Garden City, Hatfeild, Potters Bar, Finsbury Park	Hadley Wood, New Barnet, Oakleigh Park, New Southgate, Alexandra Palace
Peterborough	Kings Cross	Welwyn Garden City	5.3/5.23	21727000	Huntingdon, St Neots, Sandy, Biggleswade, Arlesey, Hitchin, Stevenage, Finsbury Park	
Peterborough	Blackfriars	Welwyn Garden City	5.4	22727100	Huntingdon, St Neots, Biggleswade, Arlesey, Hitchin Stevenage, Finsbury Park, St Pancras International, Farringdon, City Thameslink	Knebworth
Kings Lynn	Kings Cross	Welwyn Garden City	5.5/5.25	21725000	Watlington, Downham Market, Littleport, Ely, Waterbeach, Cambridge North, Cambridge	Royston, Ashwell & Morden, Letchworth Garden City, Hitchin, Stevenage, Finsbury Park

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Service Group: ET05						
Service description: Great Northern Outer						
Between	And	Via	Description	TSC	Regular Calling Pattern	Additional stations
Kings Lynn	Kings Cross	Welwyn Garden City	5.6	21725000	Watlington, Downham Market, Littleport, Ely, Foxton, Shepreth, Meldreth, Royston, Ashwell & Moden, Baldock, Letchworth Garden City, Hitchin, Stevenage, Knebworth, Welwyn North, Welwyn Garden City, Hatfield, Potters Bar, Finsbury Park Waterbeach, Cambridge North, Cambridge	
Kings Lynn	Cambridge		5.7/5.26	21725000	Downham Market, Littleport, Ely, Cambridge North	
Ely	Kings Cross	Welwyn Garden City	5.8/5.27	21725000	Cambridge North, Cambridge,	Royston, Ashwell & Morden, Letchworth Garden City
Ely	Cambridge		5.9/5.28	21725000	Waterbeach, Cambridge North	
Cambridge North	Kings Cross	Welwyn Garden City	5.11/5.36	21726000	Cambridge, Foxton, Shepreth, Meldreth, Royston, Ashwell & Moden, Baldock, Letchworth Garden City, Hitchin, Stevenage, Knebworth, Welwyn North, Welwyn Garden City, Hatfield, Potters Bar, Finsbury Park	
Cambridge	Blackfriars	Welwyn Garden	5.13	22726100	Royston, Baldock, Letchworth Garden City, Hitchin, Stevenage, Finsbury Park, St Pancras International,	

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Service Group: ET05						
Service description: Great Northern Outer						
Between	And	Via	Description	TSC	Regular Calling Pattern	Additional stations
		City			Farringdon, City Thameslink	
Cambridge	Kings Cross	Welwyn Garden City	5.14	22725000	Royston, Ashwell & Morden	
Cambridge	Kings Cross	Welwyn Garden City	5.15./5.34	21726000	Royston, Baldock, Letchworth Garden City, Hitchin, Stevenage, Finsbury Park	
Cambridge	Kings Cross	Welwyn Garden City	5.16/5.35	21726000	Foxton, Shepreth, Meldreth, Royston, Ashwell & Morden, Baldock, Letchworth Garden City, Hitchin, Stevenage, Knebworth, Welwyn North, Welwyn Garden City, Hatfield, Potters Bar, Finsbury Park	
Baldock	Kings Cross	Welwyn Garden City	5.17/5.32	21726000	Letchworth Garden City, Hitchin, Knebworth	Welwyn North, Finsbury Park
Royston	Kings Cross	Welwyn Garden	5.18/5.38	21726000	Aswell & Morden, Baldock, Letchworth Garden City, Hitchin, Stevenage, Knebworth, Welwyn North, Welwyn	

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Service Group: ET05						
Service description: Great Northern Outer						
Between	And	Via	Description	TSC	Regular Calling Pattern	Additional stations
		City			Garden City, Hatfield, Potters Bar, Finsbury Park	
Royston	Kings Cross	Welwyn Garden City	5.19/	22726100	Baldock, Letchworth Garden City, Hitchin, Stevenage, Knebworth, Welwyn North, Welwyn Garden City, Potters Bar, Alexandra Palace Finsbury Park,	
Letchworth Garden City	Kings Cross	Welwyn Garden City	5.20/5.37	21726000	Hitchin, Stevenage, Knebworth, Welwyn North, Hatfield, Potters Bar, Finsbury Park	
St Pancras International	Peterborough	Welwyn Garden City	5.24	22727100	St Neots, Biggleswade, Finsbury Park, Stevenage, Hitchin, Arlesey, Biggleswade, St Neots, Huntingdon	
St Pancras International	Cambridge	Welwyn Garden City	5.31	22726100	Finsbury Park, Stevenage, Hitchin, Letchworth Garden City, Baldock, Royston	