Network Rail Station Route Utilisation Study

An Overview

by Nick Dibben *Railfuture* East Anglia branch

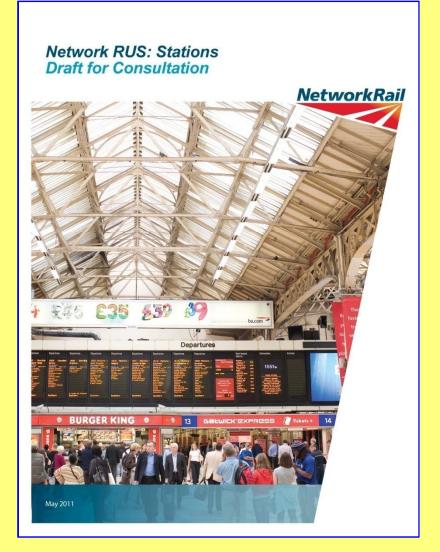
Ipswich Meeting, Saturday 25th June 2011



Railfuture East Anglia branch – Station RUS Overview www.railfuture.org.uk

Network Rail Station RUS

- Looking at Station Congestion
- Identifying stations where congestion occurs
- Future trends and usage
- Developing a toolkit of solutions





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Top London station usage

- 1: London Waterloo 91.9m users /year
- 2: London Victoria 75.3m
- 3: London Bridge 55.8m
- 4: London Liverpool Street 53.4m
- 9: London King's Cross 27.6m
- 16: Stratford 13.8m

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19: Finsbury Park – 9.1m

Top Non-London station usage

- 1: Birmingham New Street 29.2m
- 2: Leeds 23.9m

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- 3: Manchester Piccadilly 21.8m
- 4: Liverpool Central 18.8m

East Anglia branch stations: 13: Cambridge – 8.2m 16: Chelmsford – 7.0m

How many station users are there?

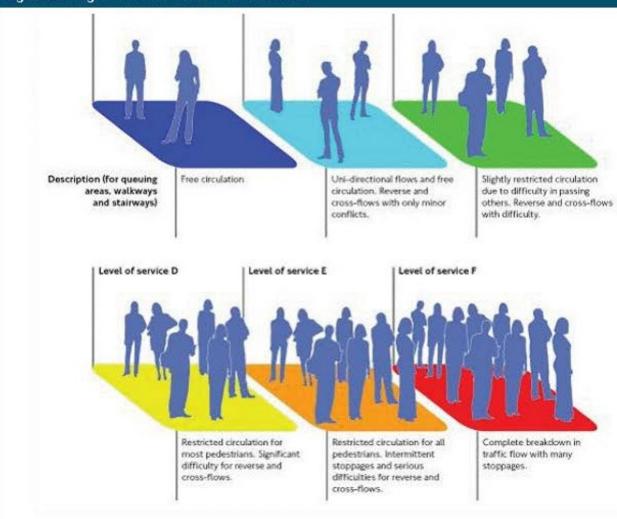
- NR lacks full information
- Need to include non-users
 - People seeking information / advanced tickets
 - People meeting rail users
 - People passing through

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How long do people stay at a station?
– Average 30 minutes at main stations

What is congestion?

Figure 3.1 Diagram of Fruin Levels of Service A to F²



Fruin Level

A – least congested (top left)

F – most congested (bottom right)

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Possible Congestion areas

- Access into station
- Ticket office
- Ticket gates
- Information points
- Doorways, stairs
- Lifts and escalators
- Platforms



Local station congestion spots 2010

Station	Time	Concourse	Access to Platform	Platform	
Cambridge	Peak	С		А	
Tottenham Hale	Off-Peak	С	D	В] [4
Chelmsford	Peak	С	В	В) М И
Colchester N	Peak	С	A	A	Lowest
Finsbury Park	Peak	D	D	D	
King's Cross	Peak	С		D	<u> </u>
Liverpool St	Peak	E	D	E	
Peterborough	Peak	E	D	E	Ignest
Stratford	Peak	В	В	В	est
Witham	Peak	С	D	D	



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Network Rail's Solutions Toolkit

Range of solutions for each station:

- Remove clutter
- Relocate facilities to less congested area
- One-way system for movement
- Improved signage
- Passenger / staff training for ticket machines
- Additional access points
- Wider / additional platforms



Network Rail's Station RUS

Draft issued by Network Rail on 6th May 2011

- 112 pages plus a 78-page Appendix
- Consultation period of 60 days to 8th July 2011
- See www.networkrail.co.uk
 - Corporate documents
 - Route Utilisation Strategies (RUSs)

East Anglia branch response will feed into *Railfuture*'s single national response.

These slides are on: www.railfuture.org.uk/east.html.



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