

General Mapping Comments

Core Data Requirements	
ITIS CJAM Data	Only available for urban authorities e.g. West Yorkshire, South Yorkshire, York and Hull. To be analysed using CJAM Viewer. Maps and data obtained can then be modified as desired by the Assembly within ArcView. Initial maps and data produced by CJAM Viewer can be produced by the local authorities providing they have obtained a licence to use the CJAM Viewer. To input the data into ArcView a piece of conversion software is required. Where ITIS CJAM data is not available (e.g. the rural authorities) it is advised other data/local knowledge is used by the authorities to identify congested links and hotspots.
Traffic Flows	The traffic model flows require conversion into mapping software following manipulation to provide a common base year across the region. The ease of doing this will depend on the transport modelling software package utilised. Rural areas of the county will not have any transport model coverage. However, data could be obtained from count sites where it is deemed necessary.
Train Crowding	The Rail Planning Assessment has produced train crowding figures for much of the region. These just require mapping in an appropriate way. To complete the analysis for the rest of the region and further train operators would require a significant amount of analysis.
Rail Capacity Utilisation	Network Rail has produced rail capacity utilisation maps for the whole of the UK. The data can either be transferred into mapping software electronically or manually.
Bus Corridors	These have usually been mapped in some fashion by the local authorities, PTE's or local transport plan partnerships.
Transport Schemes	A database of these schemes has been produced as part of this project. The only requirement is to map the schemes based on information provided by PTE's, local authorities and the Highways Agency.
Optional Data Requirements	
Rail Passenger Loadings	To produce these maps for the whole region access to the Historic Rail Demand database or operator data is required. There will be some work involved in obtaining and analysing the data before it can be mapped.
Highways Agency Stress Maps	These are available for the whole of the strategic network in the region. The data can either be transferred into mapping software electronically or manually.
Rail station car park usage	The data is currently only available for the West Yorkshire sub region from Metro. This existing survey data may require updating and further surveys elsewhere in the region carried out by PTE's and local authorities.
Journey times by public transport to urban centres	Accession software should be available to all local authorities in the region. The local authorities should be asked to produce maps in accordance with certain criteria.
Context Mapping	
	The information required is currently in a variety of forms in various documents including growth point bids, eco town bids, masterplans, the RSS and Local Development Frameworks. There will be some work involved in assembling the information and mapping it in an appropriate format.
Gap Analysis	
	A significant amount of work is required to inform the gap analysis. This will involve collecting information on the proposed schemes including costs and implementation timescales. This information will need to be used to estimate in broad terms the impact of the schemes and how this relates to housing growth.

Presentation Methods

Presentation of Data	Estimated Time Input (Days)	Comments
Hard Copy	1 day	This presentation method will be quick and relatively inexpensive but may not be of a high enough quality. The timescales assume all the data will already be available in a GIS format.
Spatial Data Viewer	5 days	More resources will need to be invested in producing this presentation method although the benefits of using this method should outweigh these costs. The timescales assume all the data will already be available in a GIS format.

YORK

Mapping Elements	Estimated Time Input (Days)	Comments
Core Data Requirements		
ITIS CJAM Data	1	ITIS CJAM data available for York. Need to get City of York Council to extract data using CJAM Viewer. Other areas will require manual identification of congested links/hotspots.
Traffic Flows	2	York traffic model available. Malton and Norton and Selby are also covered by traffic models. Need to convert data into mapping form and ensure consistent base year.
Train Crowding	3	Trains into York are not covered in the loading information contained in the RPA. The information only relates travelling from Leeds to York. Not all train operators are considered.
Rail Capacity Utilisation	0	Available from Network Rail
Bus Corridors	0	Core bus network identified for York in the City of York LTP2. Already mapped
Transport Schemes	0	As per database produced for this project.
Optional Data Requirements		
Rail Passenger Loadings	2	Need to obtain and analyse data
Highways Agency Stress Maps (Future Year)	0	Available from the Highways Agency
Rail station car park usage	4	Surveys of station car parks required
Journey times by public transport to urban centres	2	Accession maps to be produced according to specified criteria

SOUTH YORKSHIRE

Mapping Elements	Estimated Time Input (Days)	Comments
Core Data Requirements		
ITIS CJAM Data	1	ITIS CJAM data available for sub region. Need to get local authorities to extract data using CJAM Viewer.
Traffic Flows	3-5	Several models cover the majority of the sub-region. Need to convert data into mapping form and ensure consistent base year.
Train Crowding	4	Loading of trains into Sheffield and Doncaster are included in the RPA for the region. Not all train operators are considered.
Rail Capacity Utilisation	1	Available from Network Rail
Bus Corridors	0	Included in the South Yorkshire LTP2 Bus Strategy
Transport Schemes	1	As per database produced for this project. Already partially mapped for LTP2.
Optional Data Requirements		
Rail Passenger Loadings	2	Need to obtain and analyse data
Highways Agency Stress Maps (Future Year)	0	Available from the Highways Agency
Rail station car park usage	4	Daytime surveys of station car parks required
Journey times by public transport to urban centres	2	Accession maps to be produced according to specified criteria

LEEDS CITY REGION

Mapping Elements	Estimated Time Input (Days)	Comments
Core Data Requirements		
ITIS CJAM Data	1	ITIS CJAM data available for sub region. Need to get local authorities to extract data using CJAM Viewer.
Traffic Flows	3	Several models cover the majority of the sub-region. Need to convert data into mapping form and ensure consistent base year.
Train Crowding	0 or 3	Loading of trains into Leeds are included in the RPA for the region. Not all train operators are considered.
Rail Capacity Utilisation	1	Available from Network Rail
Bus Corridors	0-1	Included in the West Yorkshire LTP2 Bus Strategy
Transport Schemes	1-2	As per database produced for this project.
Optional Data Requirements		
Rail Passenger Loadings	2	Need to obtain and analyse data
Highways Agency Stress Maps (Future Year)	0	Available from the Highways Agency
Rail station car park usage	4-6	Daytime surveys of car parks already undertaken by Metro and mapping produced. Surveys may require updating.
Journey times by public transport to urban centres	2	Accession maps to be produced according to specified criteria

HUMBER ESTUARY

Mapping Elements	Estimated Time Input (Days)	Comments
Core Data Requirements		
ITIS CJAM Data	1	ITIS CJAM Data available for Hull and NE Lincs. Need to get Hull City Council and NE Lincolnshire Council to extract data using CJAM Viewer. Other areas will require manual identification of congested links/hotspots
Traffic Flows	2	HUMMS Model available but outdated although being updated by Pell Frishmann as part of the Castle Street Scheme. Need to convert data into mapping form and ensure consistent base year.
Train Crowding	4	Loading of trains into Hull are included in the RPA for the region. Not all train operators are considered.
Rail Capacity Utilisation	1	Available from Network Rail
Bus Corridors	0-1	Included in Joint Structure Plan for Kingston upon Hull and the East Riding of Yorkshire (2005)
Transport Schemes	0.5	As per database produced for this project.
Optional Data Requirements		
Rail Passenger Loadings	2	Need to obtain and analyse data
Highways Agency Stress Maps (Future Year)	0	Available from the Highways Agency
Rail station car park usage	4	Daytime surveys of station car parks required
Journey times by public transport to urban centres	2	Accession maps to be produced according to specified criteria

REMOTER RURAL

Mapping Elements	Estimated Time Input (Days)	Comments
Core Data Requirements		
ITIS CJAM Data	1	ITIS CJAM Data not available. Manual identification of congested links/hotspots will be required.
Traffic Flows	0-2	No traffic models available. Use of other count data may be required.
Train Crowding	4	No information available from the RPA.
Rail Capacity Utilisation	1	Available from Network Rail but few rail lines in the sub-region.
Bus Corridors	0	No core bus routes due to rural nature of the sub-region.
Transport Schemes	0.5	As per database produced for this project.
Optional Data Requirements		
Rail Passenger Loadings	2	Need to obtain and analyse data
Highways Agency Stress Maps (Future Year)	0	Available from the Highways Agency
Rail station car park usage	4	Daytime surveys of station car parks required although few major stations
Journey times by public transport to urban centres	2	Accession maps to be produced according to specified criteria

VALES & TEES LINKS

Mapping Elements	Estimated Time Input (Days)	Comments
Core Data Requirements		
ITIS CJAM Data	1	ITIS CJAM Data not available. Manual identification of congested links/hotspots will be required.
Traffic Flows	1-2	Model available for Catterick area. Use of other count data may be required.
Train Crowding	3	No information available from the RPA.
Rail Capacity Utilisation	1	Available from Network Rail but few rail lines in the sub-region.
Bus Corridors	0	No core bus routes due to rural nature of the sub-region.
Transport Schemes	0.5	As per database produced for this project.
Optional Data Requirements		
Rail Passenger Loadings	2	Need to obtain and analyse data
Highways Agency Stress Maps (Future Year)	0	Available from the Highways Agency
Rail station car park usage	4	Daytime surveys of station car parks required although few major stations
Journey times by public transport to urban centres	2	Accession maps to be produced according to specified criteria

COAST

Mapping Elements	Estimated Time Input (Days)	Comments
Core Data Requirements		
ITIS CJAM Data	1	ITIS CJAM Data not available. Manual identification of congested links/hotspots will be required.
Traffic Flows	3	Traffic models are available for Bridlington and Scarborough. Need to convert data into mapping form and ensure consistent base year.
Train Crowding	3	No information available from the RPA.
Rail Capacity Utilisation	1	Available from Network Rail but few rail lines in the sub-region.
Bus Corridors	0	No core bus routes due to rural nature of the sub-region.
Transport Schemes	0.5	As per database produced for this project.
Optional Data Requirements		
Rail Passenger Loadings	2	Need to obtain and analyse data
Highways Agency Stress Maps (Future Year)	0	Available from the Highways Agency
Rail station car park usage	4	Daytime surveys of station car parks required although few major stations
Journey times by public transport to urban centres	2	Accession maps to be produced according to specified criteria