Office of Rail Regulation and Network Rail

Data Assurance 2011-2012 Asset Management (Station and Depot Stewardship)

Final Report

Draft 5 | 26 June 2012

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Abbreviations and Acronyms

ALE	Asset Life Expectancy
ARL	Asset Residual Life
CEFA	Civil Engineering Framework Agreement
DER	Data Extract Report
FAM	Fabric Assessment Manual
LMDSM	Light Maintenance Depot Stewardship Measure
PARL	Percentage Asset Residual Life
SSM	Station Stewardship Measure
TCD	Train Crew Depot

Asset Management (Station and Depot Stewardship) Final Report

Executive Summary

Introduction

This report describes the outcome of the review of the Station Stewardship and Light Maintenance Depot Stewardship Measures.

The scope of works undertaken was prescribed in the commissioning document Mandate AO-024 and comprised of the following elements:

- Review Process Documentation;
- Review Training Programme;
- Review Audit Process;
- Review LMDSM Process;
- Review Network Rail Report;
- Review Faithful & Gould Report (subsequently dropped); and
- Site review of SSM and LMDSM surveys.

With the exception of the final element all of the work was based on desktop analysis or through data gathering through meetings and discussions.

Documentation

It was concluded that there is generally an appropriate structure of documentation to support the SSM. However there are issues with the detail in some of the documentation associated with the LMDSM. In particular there is a lack of a description of the processes involved. This is currently being addressed by Network Rail.

Training

The Reporter team is satisfied that appropriate training is being provided to the front-line staff as evidenced by the structure as described and the outputs from the surveys. This was evidenced by discussions with Amey at HQ and local levels and a review of the survey outputs and in particular the levels of survey rejection.

In-House Audit

The audit process appears to meet the requirements of the measurement regimes. However in the detailed examination of some of the random station surveys there were some issues which it is considered should have been picked up during the data audit process. It appeared that these errors related particularly to sites where an old survey was being updated and there had been a significant level of investment on site making comparison with the old survey difficult.

LMDSM Process

It is clear that the LMDSM process has lagged some way behind that of the SSM. This is perhaps natural given the high profile nature of the condition of the stations, however whilst this may be understandable, if not acceptable, for the site work there would appear to be little explanation for why the current process is not adequately documented. It is known that Network Rail is in the process of addressing this but it would appear to have taken a considerable time to reach this stage.

Network Rail Report Review

The Network Rail report contained a lot of the data which had been shared previously. The Reporter is satisfied with the description of the implications as described in the report.

A comparative review of the scoring at a small sample of stations previously reviewed by the Reporter appears inconclusive. It is the Reporter's view that the small scale nature of the sample does not provide any clear or meaningful lessons from the exercise.

Site Review

The site work and subsequent analysis which was undertaken for this review was the most comprehensive undertaken to date and was driven by the requirement to carry out a statistically significant sampling of the data. Fifty-seven stations and ten depots were randomly selected for review. These covered all Routes and Categories of assets and were split in broad proportion to the overall national population.

The results from the work were considered on two levels. The first looked at the emerging results from the individual sites to the asset level and shows the degree to which the original Network Rail survey compares to the Reporter's observations. The results from the high level analysis indicated some positive trends compared to the 2010-11 review. The average variation between those assets judged to be in a better and in a poorer condition considerably reduced thereby implying that the portfolio level impact would be relatively small.

At the secondary level, the individual assessments from the site were combined to provide a determination of the variation in Measure between the Network Rail survey and the Reporter observations. In this the average variations on the SSM and LMDSM which were significantly lower than in 2010-11. Whilst there was a general reduction in the variation between Network Rail and the Reporter this overall closeness occurred despite some very significant variations at individual stations ranging up to +26%. Regardless of this concern, the overall results of the site investigation are considered to show an improvement compared to 2010-11 but there remain issues to be resolved as outlined previously.

Confidence Rating

The confidence ratings for the two measures are judged as:

- 'B2' for Station Stewardship; and
- 'C2' for Light Maintenance Depot Stewardship.

1 Introduction

1.1 Background

Arup was commissioned through the Office of Rail Regulation (ORR) Mandate AO-024 to undertake a further study of the processes and data quality associated with the station and depot stewardship evaluation (Station Stewardship Measure - SSM; Light Maintenance Depot Stewardship Measure - LMDSM). A copy of the Mandate is included in Appendix A.

This document is the Second Draft Final Report of the findings of the commission.

1.2 Structure

The Mandate describing the scope of works to be undertaken during the course of the study highlighted specific elements of the SSM and LMDSM which were to be reviewed. This shaped the proposal and, once this was accepted, the delivery of the commission. The same configuration is followed in the structure of this report.

The main headings in the report are:

Section 2: Approach

Considers how the execution of the study was structured and describes the means of gathering the information

Section 3: Process Analysis

Discusses the outcome of the mainly office based work which was undertaken

Section 4: Site Work

Describes the means of on-site sampling particular facilities and the outcome of this work

Section 5: Study Conclusion

Considers the complete study as the basis for a set of conclusions leading to the recommendations and the measure confidence rating

2 Approach

2.1 Introduction

The section of the report describes the way in which the commission was executed relating back to the Mandate and the Proposal structure.

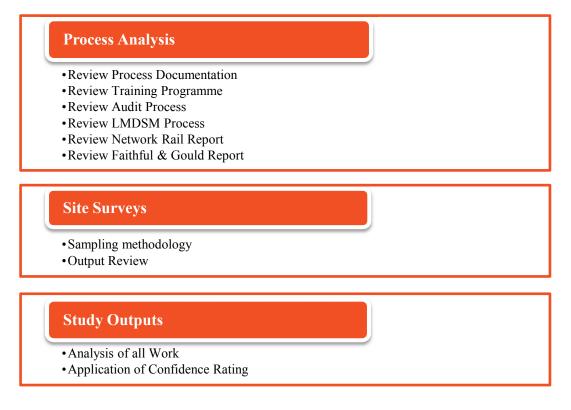
2.2 Delivery Structure

On receipt of the Mandate, a proposal was developed which sought to deliver the client requirements. This document was structured to match these requirements as described in the brief.

Based on this the broad structure which was adopted for the delivery was to:

Gather Data	
Undertake site work	
Feedback	

The Proposal considered each element of the scope and outlined how this would be delivered in one of three key stages. The following, whilst covering the same scope as described in the proposal, shows the order in which the elements were planned to be tackled during the course of the work.



2.3 **Process Analysis**

2.3.1 **Review Process Documentation**

This was an early task which was simplified by Network Rail providing a complete set of relevant documentation (listed in Table 3.1 in Section 3). This avoided the use of out of date documentation from the previous reviews which may have been recently updated.

The study looked at each of the documents and reviewed their contents as well as their fit within the overall structure of process. Particular attention was paid to the comparison between those documents supporting the SSM and those covering LMDSM. The review was undertaken separately by two members of the team whose results were then compared and combined.

2.3.2 Training Programme

The review of the training programme largely focussed on the training of the surveyors who undertake the gathering of the base data supporting the Measures. The probing of this aspect of the regime was undertaken through the various meetings with Network Rail and Amey at a range of levels and included a review of the overall process. It was also discussed with the front line surveyors from Amey. This workstream followed on from concerns about the consistency being applied to the surveys as raised in the last review.

2.3.3 Audit Process

With concerns over the quality and consistency of the data identified in the previous review a further workstream looked at how the data is checked as it passes from site to the point where it is reported to the ORR. As above, the principle means of review here was to probe various individuals at meetings on the subject, but also to review the process in action when meeting with the Network Rail OPAS data specialist, as well as through examination of the relevant files.

2.3.4 LMDSM Process

The purpose of reviewing the LMDSM process during this commission was to determine whether the variances in the methodology applied to this Measure supported the accurate reporting on asset condition in the depots. Questions regarding the process were raised at the meetings of the various individuals and, during the demonstration of the OPAS data input, specific points were raised to tease out any issues particularly associated with this Measure. The review described in 2.2.1 also looked at the LMDSM process from the perspective of its formal documentation.

2.3.5 Network Rail Report

Network Rail has undertaken a review of the impact of previous Reporter recommendations regarding SSM and LMDSM. In addition, an independent assessment, commissioned by Network Rail, of the Reporter team's site

assessments made during the 2010-11 review was undertaken. The results of this work were shared with the Reporter's team with an invitation to comment on the results.

2.3.6 Faithful and Gould Report

Under a commission for the Department for Transport, Faithful and Gould have undertaken a review of the Station Stewardship Measure process in preparation for the likely move to repairing leases under the next round of TOC franchises. In the original scope of works for this commission the Reporter team had been asked to undertake a review of the findings of the report. However, as agreed with the Client, this work is no longer required and has therefore been dropped from the scope of works.

2.4 Site Surveys

As in previous years the bulk of the effort in the commission was the work associated with undertaking a review, on site, of the data gathered by the Network Rail contractor to compile the SSM and LMDSM measures.

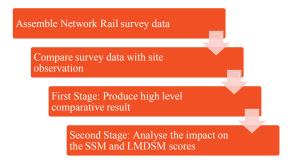
2.4.1 Sampling Methodology

There was a specific requirement in the commission brief to ensure that the volume of site inspections undertaken represented a statistically significant sample. This was to ensure that any findings from the surveys would represent valid results for the overall portfolio of stations. As a result of this requirement, a separate exercise was undertaken by the Reporter team to evaluate the necessary sample size given the relevant station and depot population sizes.

2.4.2 **Output Review**

The work on site is based on a line by line review of the Asset Residual Life (ARL) of the individual assets identified in the Network Rail surveyors' reports. This review then considers whether the recorded ARL is reflective of the asset as observed on site. Based on this, variations in the assessments are then analysed. In a secondary step, further work is then done to determine how these variations impact on the reported SSM and LMDSM scores for the particular site.

Figure 2-1: Site work Process



For consistency, the approach to reporting used in the 2010/2011 review for the first stage analysis (the high level analysis) has been adopted again.

This considers four factors:

- ARL: is the asset condition category reported different (both better and worse) than that observed on site? (note that variations in ARL not impacting on the condition category are ignored since these do not impact on the SSM score)
- Material: is the observed asset composition different to that reported? (if this was found an assessment was still to be made of the validity of the ARL and the material change noted)
- Layout: is the observed layout of the site different to that reported? (depending on the nature of the layout change, e.g. demolition, complete remodelling, or realignment of kerbing, etc. it may not have been possible to review the asset condition)
- Asset Life Expectancy (ALE): is the reported ARL in excess of the ALE for the given category and type of asset?

The key factor in determining if there is any variation in the survey results is driven by the following through of the variations to the point where a revised SSM and LMDSM score is calculated – this is the Stage 2 process. This then leads onto the overall assessment of the study findings.

2.5 Study Outputs

2.5.1 Analysis of All Work

The outputs naturally take account of the whole of the work that has been undertaken in the study. Whilst there is a tendency to focus on the results which emerge from the site surveys, as a result of the figures and percentages which it is possible to quote, a lot of the core lessons to be learnt from the commission come from the meetings, documentation and process reviews which have been undertaken. As such, it is the intention of this report to provide a holistic commentary of the current SSM and LMDSM regime informed by the broad basis of core information gathered.

2.5.2 **Previous Recommendations**

The section provides a summary of the progress of the previous recommendations relating to SSM and LMDSM for the review in 2010-11.

2.5.3 Application of Confidence Rating

Based on the overall assessment of the regimes, as described above, a confidence rating for each regime (SSM and LMDSM) has been identified. This rating has been fully justified in terms of the accuracy and confidence assessments in the report.

3 Process Analysis

3.1 Introduction

Having described the approach to the commission in the last Section this chapter provides a description of the work which was done and the findings for each of the office based activities. It is split into the respective elements of the scope identified in the Mandate.

3.2 Document Review

As previously stated, Network Rail provided fresh copies of all the relevant documentation which were considered by them to support the processes associated with the SSM and LMDSM. The documents supplied were:

	Reference	Title	Date
1	NR/ARM/M17PR	Procedures for the Reporting of Station Stewardship Measure	8 October 2010
2	NR/ARM/M17DF	Definitions for the Reporting of Station Stewardship Measure	8 October 2010
3	NR/ARM/M19PR	Procedures for the Reporting of Light Maintenance Depot Condition	11 February 2009
4	NR/ARM/M19DF	Definitions for the Reporting of Light Maintenance Depot Condition	17 February 2004
5	No reference	Fabric Assessment Manual - Volume 1	Undated
6	No reference	OPAS Data Collection: Building Fabric Method of Measurement V6.0	February 2012
7	No reference	OPAS Data Collection: M&E Method of Measurement V5.0	November 2008
8	NR/L3/CIV/006	Level 3 Handbook for the Examination of Structures	4 December 2010
9	NR/L3/CIV/006/7B	Level 3 Handbook for the Examination of Structures – Part 7B Buildings	5 June 2010
10	NR/L3/CIV/006/11B	Level 3 Handbook for the Examination of Structures – Part 11B Reporting and Recording of Examination of Operational Property Structures and Inspection of Buildings in OPAS	5 June 2010

Table 3-1: SSM and LMDSM Relevant Documentation

The documents fall into three categories:

- Dealing with SSM specifically;
- Dealing with LMDSM specifically; and
- More general documentation associated with condition examination and assessment.

3.2.1 SSM Specific Documents

Documents 1 and 2 in Table 3-1describe the SSM process. Of these, the Procedures document is significantly the most important. It provides a detailed account of the process from the site inspection to the calculation of the SSM. This includes the list of asset weightings, the condition rating bands, and the asset life expectancies. It also contains the target SSM scores for the various categories of station. The Procedures document provides a key explanation of the way in which the measure is calculated.

Apart from some minor comments regarding some of the terminology the review identified little to comment upon in the document apart from the contents of its Appendix C. This appendix contains the list of Asset Life Expectancies for all of the asset elements and within these the individual features and attributes. This was thought to be the only comprehensive list in all of the documentation. However, in the subsequent site work items not covered by the list emerged – examples of this would be those associated with lighting levels and fuelling facilities.

				Attribute Level
			Feature Level	Attribute Level
		Element Level	Feature Level	Attribute Level
	Block Level		Feature Level	Attribute Level
	DIOCK LEVEI		Feature Level	Attribute Level
		Element Level	Feature Level	Attribute Level
		Element Level	Feature Level	Attribute Level
Station				Attribute Level
Station				Attribute Level
		Element Level	Feature Level	Attribute Level
				Attribute Level
	Block Level		Feature Level	Attribute Level
	Block Level			Attribute Level
			Feature Level	Attribute Level
		Element Level		Attribute Level
			Feature Level	Attribute Level

Figure 3-1: Structure within a Station Survey

Regardless of this, the principle concern regarding this list is that there are a significant number of duplications. In addition there are also a number of contradictory entries, examples being:

Element	Feature	Attribute	ALE
Drainage Surface	drainage downpipe	lead	35
Drainage Surface	drainage Downpipe	Lead	40
external doors manual	vehicular manual sliding ext. Door	timber	25
External Doors Manual	Vehicular Manual Sliding External Door	Timber	30
Structure (Elements Horiz)	Beams Girders Joists & Purlins	Steel	80
Structure (Elements Horiz)	Beams, Girders, Joists and Purlins	Steel	100

 Table 3-2: Examples of Anomalies in the ALE Tabulation

It is significant to note that the syntax in the element descriptions (accurately reflected in the above table) is not the same in the anomalous line entries.

The breakdown of the assets into the various attributes is also described in the OPAS Data Collection documents (listed as 6 and 7 in Table 3-1). A comparison between the list in these books and the ALE tabulation in NR/ARM/M17PR Appendix C reveals some discontinuities. Examples are listed in Table 3-3.

 Table 3-3: Examples of Discontinuities between the ALE List and the Data

 Collection Books

Element	Feature	Attribute	Comment
Access & Boundary Control	Gate Palisade	Wood	In the Data Collection Book
Drainage Foul	Foul Interceptor		but not in the ALE table
Structural (Elements Horiz)	Cantilever Beams & Girders	Unspecified	In the ALE table
Structural (Elements Vert)	Cantilever Support	Steel	but not in the Data Collection Book

Previous reviews have identified certain ALE figures which are considered to be surprising. These have been discussed previously and it is noted that no changes have been made to the table. It has previously been agreed that such changes would have a direct impact on the SSM scores and as a result the targets. This is covered in the Network Rail report reviewed in Section 3.6. Nevertheless it is the Reporter's view that there remain certain figures in the table which may require to be reviewed.

Based on the site work described later it became apparent that obsolete survey data is held in OPAS alongside the current data. Thus when a report is run previous surveys are included. It is noted that Network Rail confirm that the old data is not used in the assessment of the Measures however the treatment of the old data is not specifically described in any of the documentation.

A further peculiarity observed is that 'Recon' surveys held in the system appear to have element measures and associated ARLs contained within the block locations. It is not clear where this data has come from since a 'Recon' survey is concerned only with identifying the various blocks on a site and not recording individual element measures.

3.2.2 LMDSM Specific Documentation

In a similar structure to the SSM measures there are currently two principle documents which cover the LMDSM regime – items 3 and 4 in Table 3-1.

Together with a short definition document the current key descriptor of the LMDSM process is NR/ARM/M19PR. This document is very much shorter than its SSM counterpart and whilst it contains a flow chart of the process it is devoid of much of the detail that is described more fully in the equivalent SSM document M17PR. There are also references to Appendix (5.2.1(c)) which does not exist. In short the document does not meet its primary aim of describing the process of how the LMDSM is calculated.

In addition, the document points to a further document NR/ARM/M19MN which is been formally withdrawn and is therefore no longer available. Having raised this final point with Network Rail this discontinuity is accepted and it is understood that a replacement M19MN document will be available in June 2012.

It is our view that the LMDSM process is poorly described in the current documentation. This is because that in comparison with the process documented for SSM the procedure manual is very limited and is not supported by any reference to, for example, the applicable ALEs. The process of combining the fabric and track condition data (which is known to come from two sources) is also not covered in the document, although it has been confirmed by Network Rail subsequent to the issue being raised at a meeting of the parties

It is considered that cross references to the M17PR document may improve the current documentation.

3.2.3 General Survey Documentation

Within the group of more general documentation there are three sub-groups.

Fabric Assessment Manual

The Fabric Assessment Manual (FAM) stands alone. It provides a description of the five asset conditions. This is done in terms of exemplar photographs of certain asset groups of varying category. This document provides an unambiguous account of what the condition categories look like in practice. In discussion with surveyors this very visual and well presented documented was claimed to be the most useful in the portfolio of documents. The lesson which is believed to come from the FAM is that it demonstrates to surveyors the classification of the various asset conditions. The pictures in the manual are supported by a description of the asset condition and point to the relevant PARL (Percentage Asset Remaining Life) range. The book also contains an abridged version of the ALE tabulation based on that in the SSM procedure document. However, it only covers the asset types described in the main text. The FAM provides a link between the asset condition and the ALE.

Finally, it is noted that the Manual is titled Volume 1. It is understood that Network Rail is reviewing this document and re-issuing it to cover M&E elements and to review the coverage of the fabric elements to provide a description of the most common asset types.

OPAS Data Collection Methods of Measurement

There are two methods of measurement 'flip books', one covering building fabric and the other M&E assets. Between them they cover all of the asset features and within these the asset attributes (see Table 3-1). These are presented as a page per feature.

These provide a description of the various asset types and provide guidance and 'rules' for the measurement and data collection.

These two documents present a comprehensive set of tables to guide surveyors on the ground. The format is particularly useful for work on site and is recognised by the surveyors as valuable in early work.

It is known that Network Rail has recently shared the ALE tabulation with Amey in accordance with Recommendation 2011SSM02. This is currently issued as a stand-alone tabulation. It is considered that incorporation of the ALE data in these 'flip books' may be an effective long-term means of including this information in a format which is useful and easily accessible to the field surveyors.

Level 3 Handbooks

There are three relevant documents in this group (items 8, 9 &10 in Table 3-1).

One is the head linking document with the other two covering respectively:

- Buildings(Part 7B); and
- Reporting and Recording of Examination of Operating Property Structures and Inspection of Buildings in OPAS (Part 11B).

The second of these is the most directly relevant to the work undertaken to create the SSM and LMDSM since it directly describes the approach to be taken to create the survey structure leading to the input to OPAS.

The text in the Handbook is comprehensive, well laid out, and explained. No issues were identified with this suite of documents.

3.2.4 Overview

Figure 3-2 is the perceived structure of the documentation supporting both the SSM and LMDSM.

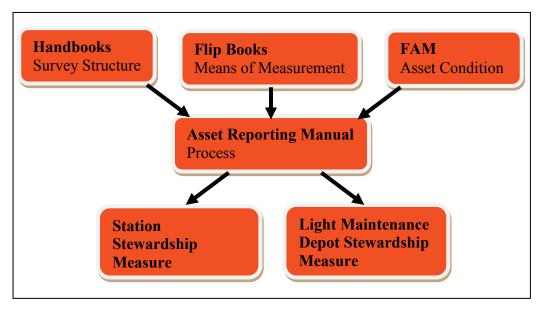


Figure 3-2: SSM and LMDSM Document Structure

The overall structure of the documentation to support the evaluation of the Measures would appear to be suitable for the process as described. Nevertheless whilst the structure appears sound within it there is some concern with certain specific documents including the ALE tabulations and the LMDSM process descriptions.

3.3 Training Review

The training review that was undertaken was focussed on the training given to the Amey surveying teams. The aim of this was to identify if a lack of training may be leading to discrepancies in the surveys which are being undertaken. It was also to ensure that there was a good understanding of the processes to be adopted.

The work focussed on discussions with key individuals from Network Rail and Amey.

The results are presented as a set of findings from the various interviews followed by a set of conclusions.

3.3.1 Findings

Interviews were held with Network Rail at HQ and Route level, and with Amey in the office and with surveyors. The following are the findings.

Amey, particularly in the South and West, has recently recruited new surveyors and thus there is a lot of recent experience of working with new staff of varying experience. Based on the discussion with Amey it is understood that all new recruits are placed on a training course immediately to familiarise them with the particular system approaches for the Network Rail contract. Once the training is successfully completed recruits are 'buddied' on site for a further period of six weeks. Following the successful completion of this period surveyors are expected to work alone. They are however supported by an on-call mentor should they require it. Training specifically associated with the Atrium system is undertaken by staff from Atrium and Amey in-house staff who are recognised as experts in the field.

Surveying staff performance is monitored through the review of the survey quality being submitted. Any particular deficiencies are then subject to appropriate refresher training. Where there are common undesirable trends in the survey outputs particular briefings will be held to correct behaviour.

There are regular technical meetings with the surveying teams to brief out new issues.

Network Rail do not specifically audit the quality of the surveyor training and rely on Amey to provide competent staff to service the contract and deliver the necessary volume and quality of survey outputs. Network Rail does however validate the competence levels of any Amey new recruits who will be engaged in survey work under the CEFA contract.

Individual surveyors confirmed the level of training provided by Amey and the process of briefing out updates and changes in process. There was general satisfaction over the level of initial training and the update briefings.

3.3.2 Conclusion

On the basis of the evidence provided it would appear that Amey has an appropriate regime of staff training and briefing in place. The common role of Amey in-house expertise is seen as providing a co-ordinating role to drive consistent behaviour. Whilst the training may however be consistent and validated as such there remains the issue of ensuring that the right guidance is getting to the front line staff – see Section 3.6.1.

Network Rail's position is that it is not necessarily concerned about individual staff competences providing the required outputs are being delivered. It is felt that this is a legitimate approach whilst Amey is delivering to programme and quality. However, if there is a significant increase in the number of rejected surveys then staff competence may be an area which Network Rail would wish to consider reviewing. Similarly, if it can be shown that delays to programme delivery are a result of poor execution of the surveys, Network Rail may wish to consider intervention.

3.4 Internal Audit Process

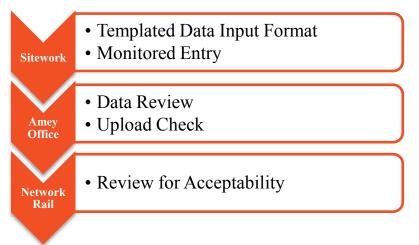
A specific inclusion in the commissioned scope of works was to review the internal audit processes associated with the survey data. This follows on from the preliminary assessment which was made of this aspect of the Measure reporting in the 2010/2011 review.

The assessment of the auditing of the data was based on the discussions which were held with Network Rail and Amey and also through the association with recently completed surveys which have been reviewed as part of the site works.

3.4.1 Process

Figure 3-3 provides a simplistic view of the process involved in the gathering of the survey data and the checks which are undertaken at each stage.

Figure 3-3: Data Trail



Site Work

During the course of the site work the surveyor is required to input their observations into a database by means of a laptop which contains the structure of the overall station survey. This structure has either been created particularly for the survey through the use of 'Recon' visits, or is largely based on the work of the previous survey.

The system is able to provide an immediate degree of validation on the input by, for example, not allowing the surveyor to input an ARL which is greater than the ALE for a given asset attribute. (This is a recent innovation.)

Such a check on the on-site data entry provides the first audit of the data quality.

Amey Office Review

Data passed into the Amey office from site is further reviewed. This work will be undertaken by a senior surveyor and provides a sense-check on the structure and completeness of the survey. Spot checks on the accuracy of the data in terms of the PARL will also be undertaken.

Having satisfied this review the survey will be uploaded into OPAS. The OPAS system provides a further check on the data by validating that certain aspects of the structure and contents of the survey are satisfied or present. It is noted that the system can be forced to accept, for example, incomplete data from a survey. This may be the case where a visual survey has been undertaken which does not cover all of the station assets. Such a forced acceptance can only be carried out with Network Rail approval.

Network Rail

On receipt of notification of a survey having been uploaded to OPAS, Network Rail has a limited period of time in which to review the submission. Failure to raise any concerns over the submission results in automatic acceptance of the data. It is understood that a target for an on-site audit of the survey by Network Rail has been set at 5% of the route portfolio. Comments from Amey and Network Rail would indicate that the level of on-site audit being undertaken may fall short of this target. This was put down to competing pressures rather than any unwillingness to undertake any review. Nevertheless it was claimed by Route staff within Network Rail that local knowledge of site also provided a sense check of the data integrity by means of their knowledge of activities taking place on the sites.

Evidence from Recent Surveys

In the meetings with Network Rail and Amey it is accepted that there have been issues with data quality in the past. In the same forums it was stated that it now appears that data quality has generally improved. This relates to the completeness of the surveys and their adherence to the 'rules' of the system rather than specifically an indication that the reported ARLs on a line by line basis are more accurate than before. This will be considered in Section 4.

In reviewing the structure of recent surveys which were used as part of the on-site work, it was clear that there is a higher degree of detail (as would be expected) and that the survey structure is a lot clearer and more consistent than the previous ADC lite reviews. This is welcomed.

Nevertheless, a small number of anomalies were identified in some recent surveys which, it is considered, should have been picked up in this audit process. The following table provides some examples of what was found.

Location	Comment
Birkenhead North	Certain access routes and curtilages included in the survey but not shown on survey drawings
Derby Station	A building previously identified as Building 06 in an old survey was changed to Building 17 in the latest survey whilst the previous Building 06 remained in the survey.
Derby Station	Buildings from the previous survey not included in the new survey drawings and in fact now shown outside of the station lease whilst still included in the survey
Perth Depot	Individual portal frames in the depot shed identified separately in the survey in contravention to flip book guidance
Reading Station	Building 05 drawings completely lacking in detail of room allocations compared to the survey

Table 3-4: Recent Survey Data Anomalies

In total around twelve to fifteen similar anomalies were found.

3.4.2 Conclusion

From the evidence obtained it is clear that there is a structured audit process for the survey data leading to the calculation of the SSM and LMDSM. The structure of the data audit appears to be comprehensive but there are clearly some errors coming through the system. The survey results most at risk appear to be those where a previous survey is being updated in the light of significant investment on site. This clearly makes the remote validation of the survey difficult even with previous site layout knowledge. The number of anomalies discovered in the structure of the surveys during the site reviews is disappointing but limited. These particular cases could be investigated further to identify their cause.

The issue of whether the survey data measures the asset condition accurately is addressed in Section 4 on this report.

3.5 LMDSM Process

As discussed earlier in the report, the LMDSM process was detailed in the Network Rail document NR/ARM/M19MN which has now been formally withdrawn.

Through discussions with Network Rail it is understood that the calculation of the LMDSM has changed from the procedure described in the withdrawn documentation. Previously, the score was based on the calculation of a condition rating for each of the eleven significant assets listed which included track, carriage washers, superstructure etc. and the average across these significant assets was the LMDSM score.

The means of calculating the LMDSM is not detailed in current Network Rail documents other than in the form of a flow chart in the 19PR document. However it is understood that a new procedural document is currently under development which should close this gap.

The LMDSM process has been moved into line with the SSM process in that the method of data capture and processing is the same. Surveys are carried out by the Network Rail surveyor Amey, and uploaded to OPAS in the same way as the station surveys are conducted and also make use of the Fabric Assessment Manual. In addition, the same asset life expectancy listing is used to determine the PARL grade for each element.

It is at this point however that the process diverges from both the SSM process and the withdrawn documentation. Whilst the majority of the site asset information is captured in the Network Rail survey, track condition surveys are carried out independently and supplied to Amey for input into OPAS.

The LMDSM is calculated as the average of all the condition grades for that site location. Each element is treated equally, there are no weightings applied as there are in the SSM calculation to deal with location and importance.

As was later found when it came to modelling the variant LMDSM scores as a result of the site work a lot of questions emerged regarding how the system actually worked in practice. This again demonstrates the lack of documentation to support the processes associated with this Measure.

3.6 Network Rail Report

3.6.1 Review of Previous Recommendation Impact

It was agreed at the end of the 2010/11 review of the SSM and LMDSM that Network Rail would undertake a piece of work to examine in more detail the results which had emerged. Specifically this would look at the impact of the recommendations from 2010/11 on the future reporting of the Measures. The Network Rail report provides a summary of the findings of this exercise. This work was undertaken by Mott Macdonald under a separate contract to Network Rail.

Phase 1

The Phase 1 results principally cover the review of the impact of the previous Recommendations, and were based on the Reporter's revised SSM scores for twenty-six stations surveyed in 2010/11. These looked at the affect of Recommendations 2011SSM01 and 2011SSM02. The results from these studies had previously been shared with the ORR and the Reporter as interim findings in October 2011. There was broad acceptance of the results of this exercise at that time and the new report does not bring any new information to bear on these issues. This covered workstreams 1.1, 1.2, and 1.3.

Phase 1.4 considers the impact of changing the guidance provided to surveyors to make them more aware of the ALEs and the condition ratings in their assessments. It is noted that there is acknowledgement of the fact that the surveyors do recognise the benefits of the Fabric Assessment Manual FAM (as was also found in direct discussions with the surveyors under this review). It is the Reporter's view that the prime focus of the FAM is to provide a measure of PARL reflective of the condition of the asset on site.

There is a risk that there is disconnect between a pure assessment of asset condition and an evaluation of asset residual life. Surveyors are instructed by Network Rail to consider residual asset life whereas the SSM calculation relies on a condition rating. However, the evidence from the site work (described in Section4) tends to show that at a portfolio level there is little difference in these approaches.

Phase 2

With regard to Phase 2, where the full set of fifty stations (as opposed to the twenty-six in Phase 1) were used to determine any trends, it is notable that the results were broadly in line with those from the first tranche with a resulting average variation of 0.1% on the previous results. As such all of the lessons from Phase 1 appear to hold for the review of the complete set of results in 2010/11.

3.6.2 Independent Audit

In addition to the examination of the implications of the previous recommendations Network Rail also undertook an independent review of six stations which had previously been reviewed by the Reporter's team in 2010-11. This work was also undertaken by Mott Macdonald. For this exercise the reviewers were not given the current Network Rail survey report or the ALE tables.

Figure 3-4 shows the comparative SSM scores for the six stations. What is clear from the graph is that at three of the sites the Reporter and Mott Macdonald view was very similar. Of the other three, the Reporter had judged the condition to be worse than Mott Macdonald at two sites by some margin, and at one site Mott Macdonald's view of condition was worse than both Network Rail and the Reporter.

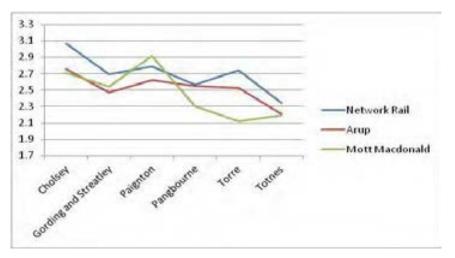


Figure 3-4: Comparative Results of Independent Review

The Network Rail report tries to establish the reason for the variation in the results. The early focus is on Torre where the Mott Macdonald score is much better (lower) than both Network Rail and the Reporter. The report identifies that the timber elements on the footbridge are a particular source of variation quoting The Reporter's seven measures compared to twenty-four in the further review. It is not clear how the reporting on this element should have been so low since the survey books show that out of fifty-one measures on the footbridge the Reporter's team reviewed forty-eight of them. This discrepancy may be explained by a Visual Inspection having been carried out in the intervening period and on which the Mott Macdonald review was based. It is also noted that recent remedial works have been undertaken to the footbridge but it is not clear when these were undertaken.

At Pangbourne, where the Network Rail and Reporter scores virtually coincide, it is noted that significant improvements to the assessment of the condition of the beams, girders and joists all contributed to the Mott Macdonald improvement in condition.

The report fails to come to any conclusion over the overall comparison with the reporter's assessment. This is odd given that the purpose of the exercise was to determine if there was some bias in the method that the Reporter team were adopting to derive a comparative condition assessment.

It is the Reporter's team view that the comparative sample is small and may not provide a clear answer nevertheless the results are generally on the lower (better) side of the Network Rail assessment so broadly in line with the original review findings. It is recognised however that there are some outlying results.

4 Site Work

4.1 Introduction

This Section of the report provides an account of the work undertaken in the direct review of a sample number of surveys which currently form the basis of the data which is used to calculate the Station Stewardship and Light Maintenance Depot Condition Measures.

4.2 Background

Network Rail began its population of the OPAS database, which supports the SSM and LMDSM measures, in 2007. Prior to that time a different means of capturing asset condition data was used. This was superseded by the introduction of the new regime. In order to populate the database in short course a programme of limited surveys was undertaken. This covered a significant portion of the total station population. These early surveys were termed ADC Lite and were largely undertaken in 2007 and into 2008. Once the database had been sufficiently built up a programme of more detailed surveys was embarked upon to provide more depth to the individual site data. This process of updating the data continues.

In parallel with the detailed surveys Network Rail undertake an annual 'visual' inspection of certain asset categories at stations. The data from these inspections is entered into OPAS and effectively supersedes the previous data although both old and new are held together in the system. It should be noted that these visual surveys do not cover all aspects of the detailed surveys. Thus, the survey data applicable to the SSM or LMDSM calculation is often a combination of condition assessments from two or more survey visits.

As part of the review of the overall portfolio of survey data the following information was provided by Network Rail during this review. The data covers surveys up to Period 11 2011/12.

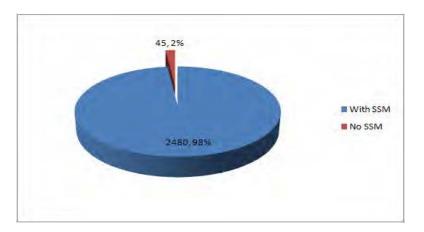


Figure 4-1: Station Population without SSM Data in OPAS

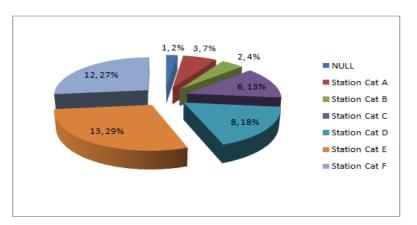


Figure 4-2: Split of Stations without SSM Data by Station Category

Figure 4-3: Depot Population without LMDSM Data in OPAS

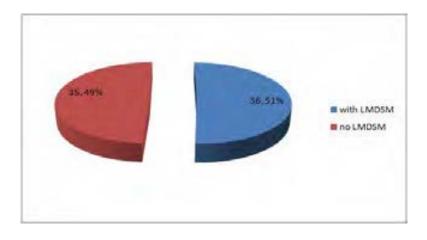
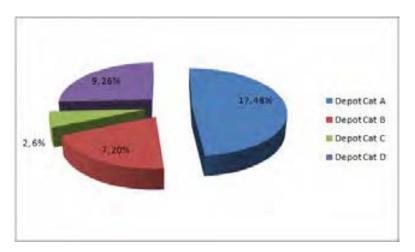


Figure 4-4: Split of Depots without LMDSM Data by Depot Category



What is noticeable about the figures is that 2% of the population of stations have no survey data in OPAS. Included in these are three Category 'A' stations which represents over 10% of their number.

The figures also highlight what was identified in 2010/11 that the proportion of depots with LMDSM scores continues to lag behind stations by a considerable margin with 49% having no valid LMDSM score. This compares with the review undertaken in OPAS last year where it was found that 31% of depots had an appropriate survey and a further 17% a limited survey.

4.3 Sampling Methodology

As a result of the debate in 2010/2011 regarding the significance of the sample size adopted, the Mandate required as a particular activity to undertake a more methodical assessment of the number of sites which should be reviewed this time round. The outcome of this work was shared with ORR and Network Rail in a draft report and at a meeting on 13 February 2012. A copy of the draft sampling paper is attached in Appendix B.

It is not intended to discuss the contents of the sampling report in this document other than to acknowledge the outcome of the exercise. These were that:

- It was agreed that a sample of 57 stations and 10 depots would be reviewed;
- The spread of stations, by both geography and size, would be split in proportion to the national proportions; and
- The minimum station category sample size would be three.

This then was the basis of the planning of the site inspections.

4.4 Site Reviews

For consistency, the general approach to the planning and execution of the site surveys remained with the same pattern of previous years. The following briefly describes the means of selecting the sites and the process adopted at each.

4.4.1 Site Selection

Based on the parameters set out in the sampling paper, and summarised above, the following spread of stations and depots was derived:

	Category						T-4-1	
Route	Α	B	С	D	E	F	Total	Depot
Anglia		1			1	3	5	1
Kent			1		1	2	4	1
London North Eastern	1			1	2	4	8	1
London North Western	1		1	2	4	6	14	1
Midland and Continental			1		1	1	3	1
Scotland		1		1	2	4	8	2
Sussex			1	1		1	3	
Wessex		1			1	2	4	1
Western	1		1	1	2	3	8	2
Total	3	3	5	6	14	26	57	10

Table 4-1: Spread of Site Surveys

Note that whilst the Category 'A' and 'B' station populations are small nationally the minimum sample size of three stations has been applied to the site review distribution.

Based on the foregoing a random set of stations and depots meeting the necessary criteria were identified. The set was modified in the course of the works. The resulting final set of facilities which were subject to review site is listed in Table 4-2.

	Category								
Route	Α	В	С	D	Е	F			
Anglia		Ipswich			Hertford East	Brandon Crouch Hill Lingwood			
Kent			Chatham		Kearsney	East Malling Maidstone- Barracks			
London North Eastern				Hexham	Ashwell & Morden Malton	Battersby Elsecar Haydon Br. Hammerton			
London North Western	Marylebone		Blackpool North	Todmordon Wrexham General	Brunswick Bushey Erdington Kidsgrove	Adlington Cark Lapworth Ridgemont St Bees Stone			
Midland and Continental			Derby		Melton Mowbray	Sileby			
Scotland	Glasgow Central	Perth		Mount Florida	Girvan Saltcoats	Fort Matilda Larkhall Laurencekirk Newcraighall			
Sussex			Three Bridges	Bognor Regis		Glynde			
Wessex		Winchester			Sway	Grateley Yetminster			
Western	Reading		Cardiff Queen Street	Liskeard	Bridgewater Radyr	Ashchurch Dovey Jcn Filton Abbey -Wood			

Table 4-2: Stations Subject to Site Review

Table 4-3: Depots Subject to Site Review

Route	Depot
Anglia	Southend Victoria
Kent	Orpington
London North Eastern	Welwyn
London North Western	Birkenhead North Bletchley
Midland and Continental	Derby Etches Park
Scotland	Ayr Townhead Corkerhill Perth
Sussex	-
Wessex	Fratton
Western	-

Table 4-4 describes the reason for changes to be made to the original set of stations.

Original Selection	Replacement Selection	Reason
Doncaster Station	Glasgow Central Station	Despite showing that data is present in the system no data found in OPAS*
Lakenheath Station	Brandon Station	Difficult access to the station by rail given the weekend only train service pattern
Bridge of Orchy Station	Larkhall Station	Station was identified as not possessing an OPAS survey
Cardiff Canton Depot	Birkenhead North Depot	No data yet available in OPAS – old methodology still in use
Colchester Depot	Southern Victoria Depot	No data yet available in OPAS – old methodology still in use
Stewart's Lane Depot	Kensal Green Depot	No data yet available in OPAS – old methodology still in use
Kensal Green Depot	Corkerhill Depot	Kensal Green now closed and de-commissioned
Reading Depot	Fratton Depot	No data yet available in OPAS – old methodology still in use

Table 4-4: Site Review Selection Change Reasons

* This is described more fully in Section 4.4.7

4.4.2 Site Review Process

The principle activity on site is the validation or otherwise of the current Network Rail survey data held in OPAS. For this purpose a Data Extract Report (DER) with associated drawings was obtained directly from OPAS. The form of the DER lends itself to such an exercise in that it follows the structure of the survey and provides a line by line analysis of each 'Block' and within it the Locations, Elements and finally Attributes of each asset (see Figure 3-1). For each attribute an 'F1' and 'F2' score is attached and it is these which combine to form the ARL. Figure 4-1 provides an overview of a typical page from a Data Extract Report.

Figure 4-1: Sample Page from a Data Extract Report

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On site the aim is to validate as many of the measures in the current surveys as possible within the programmed time. The deployment of resources at each site is driven by the size of the current survey. Thus at small stations it may be possible to complete a review with a single surveyor in a few hours. At the more complex stations it may take a team of individuals a couple of days to review a significant proportion of the survey. Given that our study is undertaken without the benefit of track possessions, the avoidance of the need to access roofs or enter confined spaces and indeed gain access to sensitive areas of the stations and depots, the overall 'hit rate' for the review can never be 100%. In previous years the aim has been to completing reviews of 30% of the measures at any one site, normally this target has been comfortably exceeded. This year the average rate of sampling has been around 76%.

The aim of the review is to determine if any variations observed on site between the observed asset condition and the survey will impact on the reported SSM and LMDSM scores.

The review covers the four principle areas described in Table 4-5.

Table 4-5: Parameters Reviewed on Site

Areas	Impact
Asset Residual Life (F1/F2)	This is the driver in determining the SSM and LMDSM scores for the station and thus a key part of the validation process. As described above, this is the main focus of the on-site review.
Asset Material	This is used as one of the survey accuracy proxies and also a measure of the level of change on site between the periods of inspection. This essentially highlights the areas where the observed composition of an element is different to that reported in the survey.
Layout Change	Another measure which is used as a proxy of the level of redundancy in the survey brought about by changes on site through, for example, remodelling. This is not necessarily a reflection of the quality or accuracy of the survey under review.
Asset Life Expectancy Exceedences	Where a surveyor has identified an ARL which is in excess of the ALE then the system will cut it back to the maximum level permissible - that is the ARL will be made to equal the ALE and thereby assume the asset is in a Category 1 condition. In the past this has been used as a proxy for relative ignorance of the ALE and then as a flag to question whether the surveyors are aware of the ALE value and thus able to place the asset in the correct condition category. It is noted that the system used to record the surveyor ARL input on site has been uprated so that it is no longer able to accept figures greater than the respective ALE.

4.4.3 Outcomes

The following tables provide a summary of the outputs from the site work.

Sampling

The overall study sampling methodology required the review of 57 stations of varying categories, and 10 depots. Both of these targets were met during the commission.

The overall number of individual asset measures in the surveys of the sites selected totalled over 37,000 of which the review considered over 28,000. The percentage of measures reviewed on site is shown in Table 4-6. The minimum

achieved at any one site was 39% at Marylebone where access to parts of the main building currently used as offices, and into commercial premises proved to be difficult.

Table 4-6: Summary of Review Percentages

	Total Number of Measures	Measures Reviewed	Percentage
57 Stations	30,799	22,717	74%
10 Depots	6,276	5,691	91%

Review Results

Of the measures reviewed the broad split between the parameters in Table 4-5 was as follows:

Table 4-7: High Level F	Results of the Site works
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	ARL		Material	Layout	ALE Exceedence
	Reporter observed an asset condition worse than in the NR survey	Reporter observed an asset condition better than in the NR survey	Reporter observed a variation in the material from that quoted in the survey	Reporter observed a variation in the layout of the site from that described in the survey	The ARL in the survey exceeds the appropriate asset ALE value
57 Stations	13%	16%	2%	18%	5%
10 Depots	13%	18%	2%	4%	5%

The key results are summarised in the following graphs.

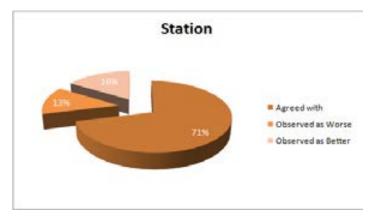
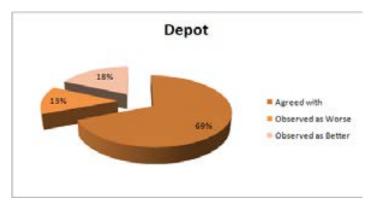


Figure 4-2: Average Station ARL Assessment





Tables in Appendix 'C' provide a more detailed breakdown of the results by individual site.

The following provides a comparison with the values obtained from 2011.

Table 4-8: Comparison with 2010/2011 Results
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			ARL				
			Poorer ARL Observed by Reporter	Improved ARL Observed by Reporter	Material	Layout	ALE Exceedence
	Stations	2012	13%	16%	2%	18%	5%
	Stat	2011	4%	27%	1%	3%	3%
	ots	2012	13%	18%	2%	4%	5%
	Depots	2011	3%	37%	2%	2%	3%

Whilst these high level figures provide an overall indication of the quality of the surveys under review it is the impact on the current SSM and LMDSM scores which is the determining factor. In the past these variations have proved a limited indicator of the overall impact on the final asset scores.

4.4.4 Commentary on the High Level Results

The results show variations in some areas when compared to the outcomes from 2010/2011. The following provides a commentary on the results as described in Tables 4-7 and 4-8.

The average number of measures per site has gone up when compared to last year. Given that the aim of the selection of the sites is to provide a random sample then it is not surprising that the increased number of more detailed (Full) surveys coming through the system is having an impact.

The increased percentage of identified variations in the ARL assessments for both those judged by the Reporter team to be in worse condition than recorded and at the same time a significant decline in the assets found to be in better condition has meant that there is more of a balance between the two assessments now. It is considered that this may have an impact on the variation in the Measures when calculated since these would logically appear to be more in line.

The secondary measure variations (those associated with material or layout) remain at a relatively low level but within that the layout anomaly rate has increased significantly. This is largely due to the number of locations visited which are currently experiencing or have recently experienced investment. Reading, Derby and Glasgow Central stations are cases in point where certain buildings in the survey had been demolished. As stated previously the recording of variations brought about by material or layout variations are not necessarily associated with errors in the survey but can be attributed to enhancement work or delay in catching up with work done since the last five yearly survey.

The level of ALE exceedences remains modest but as discussed in Table 4-5 it is seen as evidence of a lack of appreciation of the associated ALE value which can then lead to errors in the SSM calculation. Network Rail has previously accepted the recommendation to circulate the set ALEs to their contractor and there was direct evidence of this when Amey were interviewed. In the meantime the planned closure of the loop-hole in the data collection software (as a result of a previous Reporter recommendation) which permitted this should see this measure decline over time and disappear completely on all new surveys.

4.4.5 SSM Score Impact

<u>Results</u>

Whilst the high level review provides a broad indication of the quality of the data and highlights the number of instances where there is disagreement over the ARL of individual assets it is the impact on the SSM score which is the issue to be resolved.

Table 4-9: SSM Results by Station

No.	Station Category	Station	Route	Reported SSM Score	Modelled Network Rail	Reporter Modelled	Variation Between
					Score	Score	Modelled Scores
1	A	Glasgow Central Stn	Scotland	1.82	1.88	1.94	-3%
2	A	Marylebone Stn	LNW	2.82	*	*	*
3	A	Reading Stn	Western	2.28	2.28	2.28	0%
4	В	Ipswich Stn	Anglia	2.62	2.57	2.35	9%
5	В	Perth Stn	Scotland	2.28	2.37	2.13	10%
6	В	Winchester Stn	Wessex	2.28	2.07	2.22	-7%
7	С	Blackpool North Stn	LNW	2.56	2.58	2.62	-2%
8	С	Cardiff Queen Street Stn	Western	2.46	2.49	2.34	6%
9	С	Chatham Stn	Kent	2.36	2.27	2.33	-3%
10	С	Derby Stn	Midland & Continental	2.14	2.21	2.14	3%
11	С	Three Bridges Stn	Sussex	1.94	1.93	2.09	-8%
12	D	Bognor Regis Stn	Sussex	2.60	2.61	2.66	-2%
13	D	Hexham Stn	LNE	2.65	2.64	2.85	-8%
14	D	Liskeard Stn	Western	2.58	2.64	2.39	9%
15	D	Mount Florida Stn	Scotland	1.95	1.86	2.06	-11%
16	D	Todmorden Stn	LNW	2.81	3.00	2.78	7%
17	D	Wrexham General Stn	LNW	2.45	2.42	2.30	5%
18	E	Ashwell and Morden Stn	LNE	2.30	2.67	2.23	16%
19	E	Bridgwater Stn	Western	2.90	2.90	2.52	13%
20	E	Brunswick Stn	LNW	2.00	1.99	2.22	-12%
21	E	Bushey Stn	LNW	2.26	2.27	2.26	0%
22	E	Erdington Stn	LNW	2.29	2.34	2.08	11%
23	E	Girvan Stn	Scotland	2.08	2.01	2.07	-3%
24	E	Hertford East Stn	Anglia	2.77	2.77	2.52	9%
25	E	Kearsney Stn	Kent	2.46	2.56	2.58	-1%
26	E	Kidsgrove Stn	LNW	2.18	2.12	2.52	-19%
27	E	Malton Stn	LNE	2.10	2.13	2.09	2%
28	E	Melton Mowbray Stn	Midland & Continental	2.16	2.19	2.23	-2%
29	E	Radyr Stn	Western	2.29	2.25	2.31	-3%
30	E	Saltcoats Stn	Scotland	2.51	2.42	2.28	6%
31	E	Sway Stn	Wessex	2.58	2.55	2.49	2%
32	F	Adlington (Lancashire) Stn	LNW	2.16	2.15	2.38	-11%
33	F	Ashchurch for Tewkesbury Stn	Western	1.84	1.89	1.58	16%
34	F	Battersby Stn	LNE	2.56	2.76	2.63	5%
35	F	Brandon Stn	Anglia	2.36	2.40	2.17	10%
36	F	Cark Stn	LNW	2.27	2.29	2.19	4%
37	F	Crouch Hill Stn	Anglia	2.59	2.60	1.93	26%
38	F	Dovey Junction Stn	Western	2.14	2.14	1.86	13%
39	F	East Malling Stn	Kent	2.49	2.41	2.70	-12%
40	F	Elsecar Stn	LNE	2.29	2.29	2.35	-3%
41	F	Filton Abbey Wood Stn	Western	2.06	2.13	2.02	5%
42	F	Fort Matilda Stn	Scotland	2.31	2.34	2.22	5%
43	F	Glynde Stn	Sussex	2.64	2.65	2.65	0%
44	F	Grateley Stn	Wessex	1.99	1.82	1.83	-1%
45	F	Hammerton Stn	LNE	2.18	2.09	2.08	0%
46	F	Haydon Bridge Stn	LNE	2.79	2.76	2.40	13%
47	F	Lapworth Stn	LNW	2.44	2.45	2.34	4%
48	F	Larkhall Stn	Scotland	2.32	2.04	1.93	5%
49	F	Laurencekirk Stn	Scotland	1.72	1.98	1.69	15%
50	F	Lingwood Stn	Anglia	1.94	1.99	2.05	-3%
51	F	Maidstone Barracks Stn	Kent	1.98	2.02	2.39	-18%
52	F	Newcraighall Stn	Scotland	2.20	2.20	1.97	10%
53	F	Ridgmont Stn	LNW	2.07	2.09	2.36	-13%
54	F	Sileby Stn	Midland & Continental	2.44	2.44	2.35	4%
55	F	St Bees Stn	LNW	2.68	2.81	2.66	5%
56	F	Stone Stn	LNW	2.19	2.24	2.57	-15%
	F	Yetminster Stn	Wessex	2.99	2.78	2.76	
57	F	reuminster stn	wessex	2.99	2.78	2.76	1%

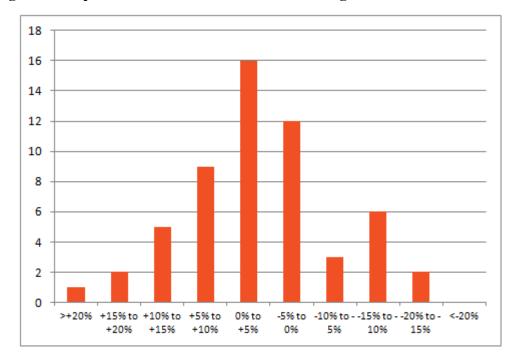
Note: Negative variations denote a worse condition and the SSM value increasing

* It was not possible to create a comparative score for **Marylebone Station** since the DER used on the survey varied from the Excel data download used as input to the model. During investigation of this issue by Network Rail it emerged that DER contained data from a July 2011 survey which the Excel output excluded. It was discovered that the M&E survey output was only submitted on 23 April 2012. This delay was caused by access issues and the need to 'force validate' certain elements of the survey. In conclusion, the station examination reports had not been fully uploaded and submitted, but some parts had when the extract was performed to create the DER. This allowed the Reporter access to a segment of the PDF which relates to the forced submissions, but the whole report needed to be uploaded and validated through the standard process before a matching Excel data output would have been generated. In hindsight, the mix of timings make it clear that the station reference data for both the generation of the PDF and the Excel data extract should have been based on the previous surveys, but this was not apparent to the Reporter's team at the time.

An Excel version of the Network Rail survey data was obtained and run taking account of the latest Amey survey results in OPAS. As discussed previously older versions of the data are retained by OPAS. The result of this data run is the Modelled Network Rail Score for the particular station. In Table 4-9 this is compared to the Network Rail reported results.

Accepting that the modelled Network Rail score is the baseline against which the review should be measured the final column notes the variation between the Network Rail and Reporter SSM assessments.

The range of variation between the two measures is from -19% to +26%. The spread of results is shown in Figure 4-4.





With a clear peak of results in the low percentages and over half of the variations lying between -5% and +5% and a broadly symmetrical range of results, then it could be anticipated that the averages across the data sets would be low. The average of the variations, as a complete set, is +1.7%. The results of breaking the results down by Station Category and Route are shown in Tables 4-10 and 4-11 respectively.

Station Category	Reporter Assessment Compared to Network Rail Assessment
Category A	-2%
Category B	+4%
Category C	-1%
Category D	0%
Category E	+1%
Category F	+2%
Rounded Average	+1%

Table 4-10: Analysis of SSM Variation by Station Category

Note: Negative variations denote a worse condition and the SSM value increasing

Table 4-11: Analysis of SSM Variations by Route

Route	Reporter Assessment Compared to Network Rail Assessment
Anglia	+10%
Kent	-9%
London North Eastern	+6%
London North Western	-3%
Midland & Continental	+2%
Scotland	+4%
Sussex	-3%
Wessex	-1%
Western	+7%
Rounded Average	+1%

Note: Negative variations denote a worse condition and the SSM value increasing

No attempt has been made to map the results against the date of the survey since original detailed surveys are likely to have been updated with more recent visual inspections potentially splitting the age of the data between two or in some cases three inspections.

Review of Findings

The site work which has been undertaken this year is the most comprehensive of the current Reporter's tenure with more stations and more measures being reviewed in the process. The size of the survey was driven by the requirement to ensure that the sampling of the reported measures was statistically significant.

The impact on the SSM score, as an average, shows a marked drop from the previous study where an average variation of 6% improvement in condition compares to a 1.7% improvement found by this study. Whilst this would seem to indicate a convergence of outcomes it should be noted that there remain significant variations at individual stations and within the Station Categories there remain some small variations. Since the Regulatory Targets are based on the split by Station Category and Route these figures remain relevant. Nevertheless, when considered as a portfolio, the overall variation is minor.

4.4.6 LMDSM Score Impact

The comparative assessment for the LMDSM was undertaken in a similar manner to that for SSM. The evaluation of the survey data took data for the main depot fabric and the track scores into account in the evaluation. The LMDSM calculation from the base data does not weight the various asset groups but rather takes the average across all key assets. This is different to the means of evaluating the SSM. Table 4-12 shows the results of the comparative assessment.

No.	Depot	Route	Reported SSM Score	Modelled Network Rail Score	Reporter Modelled Score	Variation Between Modelled Scores
1	Ayr LMD	Scotland	2.60	2.32	2.44	-5%
2	Birkenhead North LMD	London North Western	2.18	2.22	2.47	-11%
3	Bletchley LMD	London North Western	2.02	2.08	2.24	-8%
4	Corkerhill LMD	Scotland	2.61	2.60	2.57	1%
5	Derby Etches Park LMD	Midland & Continental	2.19	2.39	2.51	-5%
6	Fratton TCD (LMD)	Wessex	2.54	2.57	2.52	2%
7	Orpington TCD (LMD)	Kent	2.47	1.86	1.93	-4%
8	Perth LMD	Scotland	3.77	3.76	3.20	15%
9	Southend Victoria LMD	Anglia	2.39	3.16	3.19	-1%
10	Welwyn Garden City LMD	London North Eastern	2.57	2.98	2.95	1%

Table 4-12: LMDSM Results by Depot

Note: Negative variations denote a worse condition and the SSM value increasing

As with the SSM calculation Table 4-12 provides a comparison between the 2010 Annual Return reported LMDSM, the evaluation of the Network Rail score based on the data held in OPAS, and the modified score taking account of the Reporter observations on site. The meaningful comparison is between the last two of these. The variation between the Network Rail and Reporter modelled scores is provided in the final column of the table. The average across the ten depots is -2%, meaning the Reporter observed overall a worsening of the asset condition compared to the Network Rail surveys. The Regulatory Targets associated with LMDSM split the depots into England and Wales, and Scotland. Based on the foregoing the following averages emerge.

Table 4-13: Variations in LMDSM by Regulatory Target Split

Grouping	Reporter Assessment Compared to Network Rail Assessment	
England and Wales	-4%	
Scotland	+4%	

Note: Negative variations denote a worse condition and the SSM value increasing

Review of Findings

With the exception of Birkenhead and Bletchley all of the other depots subject to review were last surveyed in 2007. This was a time when reduced scope surveys were being undertaken in order to populate OPAS. Thus, it is probably not surprising that, given their age, some variations in the asset assessments have been identified. However, Birkenhead and Bletchley were both subject to detailed surveys in 2011. During the review both of these sites were subject to high levels of validation (85% and 90% respectively). Given the recent surveys it would be comforting to see a high correlation between the Network Rail and Reporter surveys. Unfortunately, these are the two sites where the Reporter has recorded the highest level of disagreement in terms of the assets being in a poorer condition that the Network Rail survey would indicate. In both cases the Depot Shed appears to have contributed a very significant part of this.

4.4.7 Conclusion

In bringing the site works to a conclusion it is noticeable that, apart from the increased volume of data now available as a result of the more detailed surveys working their way through the system, the difference between positive and negative comparative views on the ARL has dropped markedly from 23% to 3% for stations, and from 34% to 5% for depots. This tends to indicate a distinct narrowing of the gap between results which was borne out in practice by a significantly reduced average variation in the measures.

However, there are two key areas which it is felt need to be highlighted:

- The gap since the last full inspection of a significant category 'A' station and to not populate their OPAS system with survey data that had been obtained in the interim (Noted that the five years since the last full inspection of this station will expire in November 2012).
- Despite the level of survey audit and checking which has been described and evidenced there do appear to be certain surveys which can best be described as lacking in structure and rigour.

Considering each of these:

Five Yearly Inspections

Doncaster Station had been selected as a station for review. On searching the OPAS system for the Data Extract Report it was clear that no data existed for the site which could be downloaded. On pursuing the matter it appeared that Doncaster, whilst not on the list of stations with no data (see Section 4.2), relied on an assessment made based on a previous methodology from 2007. When this was raised with Network Rail it was stated that the station was currently being surveyed and that this would comply with the five yearly interval requirement. It was however noted that the Amey programme of inspections for the LNE area did not include Doncaster.

In discussion with a Network Rail Route Asset Manager (RAM) it was stated that the means of programming inspection work is on the basis of 'due date'. If this is the case then Doncaster should have perhaps been identified sooner.

This nevertheless raises the question of how many other stations have their surveys currently approaching the required five yearly interval. Exacerbating this problem also is the fact that Amey are behind on programme. This is evidenced by the statement from the RAMs to the effect that Amey had respectively delivered 88% and 65% of their detailed examination programmes for 2011-12. In addition, as a result of the early push for survey data in 2007 with the ADC Lite programme there is a potential 'bow wave' of new detailed surveys requiring to be undertaken in order to meet the five-yearly interval inspections.

It is recommended that a review be made of the current dates for full inspection of all stations and this shared with the ORR.

Survey Structure

Whilst a lot of the surveys which are reviewed are very simple in terms of their structure, by necessity the large stations are bound to have surveys which have much greater levels of complexity. Combine this with replacement (from ADC Lite) surveys and site remodelling can lead to confusion in the structure of the survey models. A case in point is Derby. This station has benefitted from remodelling and, linked to this, the survey results appear to be in two parts with separate drawings for each. The latest survey excludes and renumbers certain buildings. The new survey drawings take account of the fact that certain buildings have been removed but are still included in the survey. Does this mean they are still part of the SSM calculation? It is concerning that with the quality of the audit process as described to the Reporter team that this should occur. Other minor examples of the drawings not showing all of the survey blocks were noted. Whilst it is recognised that these would not alter the quality of the survey it does demonstrate that the checking process is not infallible.

5 Study Conclusions

5.1 Introduction

This Section of the report provides a summary of the overall conclusions of commission. It includes a list of recommendations and the Reporter's Confidence Rating for SSM and LMDSM.

5.2 Conclusions

The principle conclusions to emerge from the study are:

5.2.1 **Documentation**

There is generally an appropriate structure of documentation to support the SSM. There are issues associated with the detail in some of the documentation and in particular the lack of a procedures manual associated with the LMDSM. There are also discontinuities between documents and the ALE table remains flawed.

5.2.2 Training

The Reporter team is satisfied that appropriate training is being provided to the front-line staff as evidenced by the structure as described and the outputs from the surveys. It is noted that as a result of recent recruitment by Amey the training regime has had to be made robust if the programme is to be caught up through the rapid and effective deployment of the new staff.

Whilst there is general satisfaction with the structure of the training it is clear that the focus of the guidance given to the surveyors is based on indentifying the ARL of each asset independently of the asset condition. There was concern that this may lead to a diminution of the accuracy of the SSM score which, as stated previously, is based on the condition rating. However, the outcome of the review (which was based on a pure assessment of condition rating) demonstrated that at a portfolio level this did not appear to provide a marked variation in output.

5.2.3 In-House Audit

The process as described appears to meet the requirements of the process however the issue which has been identified with the survey at Derby where buildings may be included twice in the survey gives cause for concern. Basic errors like those found at Reading where the survey drawings did not detail the Elements within the Blocks also lead the Reporter to question the checking process which is taking place. In the majority of cases these will not affect the outcome of the survey but, in the case of Derby there will be clear implications.

5.2.4 LMDSM Process

It is clear that the LMDSM process has lagged some way behind that of the SSM. This is perhaps natural given the high profile nature of the condition of the stations, however whilst this may be understandable, if not acceptable, for the site work there would appear to be little explanation for why the current process is not adequately documented. It is known that Network Rail is in the process of addressing this but it would appear to have taken a considerable time to reach this stage. Experience in trying to mimic the LMDSM process during the course of this study confirmed the opaque nature of the process.

5.2.5 Network Rail Report Review

The Network Rail report contained a lot of the data which had been shared previously. The Reporter is satisfied with the description of the implications as described in the report.

The comparative review of the scoring at a sample of six stations appears inconclusive both in terms of a stated conclusion and the inference which can be drawn from the results. The small scale nature of the sample does not provide any clear or meaningful lessons and cannot be judged to be a significant sample in terms of a statistical comparison.

5.2.6 Site Review

The site work and subsequent analysis which was undertaken for this review was the most comprehensive undertaken to date and was driven by the requirement to carry out a statistically significant sampling of the data. This applies to both the SSM and LMDSM. As described, the results from the work have been considered on two levels. The first considers the emerging results from the individual sites to the asset level and shows the degree to which the original Network Rail survey compares to the Reporter's observations. The results from the high level analysis indicated some positive trends with the average variations on site between those assets judged to be in a better and a poorer condition considerably reduced. This pointed to the potential evening out of the overall variations for the impact on the actual measures. The site work also identified a number of issues associated with the structure of some surveys.

At the secondary level, the individual considerations from the site are combined to provide a determination of the variation in Measure between the Network Rail survey and the Reporter observations. In this the promised indications from the high level review translated themselves into average variations on the SSM and LMDSM which were significantly lower than in 2010-11. This meant that there would appear to be convergence in the two sets of results. This overall closeness was however generated despite some very significant variations at individual stations ranging up to +26%. In total there were seventeen stations where the variations on a site by site basis the majority of them have been driven by a significant number of disagreements in a single Block. These are usually footbridges or buildings. The largest variation, at Crouch Hill, (+26%) was last surveyed in March 2008 and since then there has been considerable investment in this facility. Nevertheless the same is not true for all sites.

Regardless of these concerns, the overall results of the site investigation are considered to show an improvement compared to 2010-11 but there remain issues to be resolved as outlined previously.

5.3 Confidence Rating

The Mandate covering the study contained details of the method to be adopted in determining the Confidence Rating of the two Measures.

5.3.1 Station Stewardship Measure

System Reliability

The review has covered a broad range of activities and processes associated with the delivery of the SSM. This begins with the training of the site surveyors and ends with the auditing of the surveys by Network Rail. The review has identified a number of areas where there is some cause for concern regarding the execution of what appears to be an appropriately structured process. This manifests itself in the poorly structured survey at one particular station and the lack of co-ordinated drawings at some others. Whilst this latter point shows poor practice it is considered that it would not have a significant effect on the survey. However, it may impact on future surveys which require to link into the previous data. On this basis the system reliability grading is put at 'B'.

Accuracy Grading System

The accuracy grading has been evaluated based on the averages of the results from across the sample. This is based on the data in Table 4-9cfor the whole population and shows a +1.7% variance. Whilst the requirement of the accuracy rating is to base the results on a 95% confidence level it has been determined that averages shall apply. As a result the Accuracy Grading applicable to the SSM is '2'.

Comparison with 2010-11 Results

The SSM Confidence Rating for 2010-11 scored Network Rail at level 'B3'. Whilst the survey results, in terms of the gap between the two surveys, have clearly closed considerably (indicating a greater level of accuracy) it is considered that there has been little progress in some areas of the process development. Again, to repeat earlier comments whilst the process appears to be strong there are a number of minor areas which lead to concern about the delivery of the regime on an ongoing basis.

Comparison with Benchmark

The higher grading of the Measure indicates that Network Rail has clearly improved in terms of the accuracy of the SSM. There remain a small number of areas associated with the process which need to be resolved to allow the Confidence Grading to improve. These areas are highlighted above and in Section 4.4.7.

Highest Achievable Grade

It is the Reporter's view that it will be possible for Network Rail to achieve a system reliability rating of 'A'. The discovery of some shortcomings in the process delivery stopped the award the reliability rating being a grade 'A'. Once these issues are resolved the reliability rating will improve.

In terms of the accuracy there is more of an issue. The comparison between the survey and site observation has, despite the structure of the processes, a degree of

subjectivity involved in it. Further the potential lag between the survey and the review will inject a further level of variation. Given the foregoing it is felt unlikely that '1*' could be achieved consistently.

5.3.2 Light Maintenance Depot Measure

System Reliability

There are considered to be a number of shortcomings in the process associated with this Measure. The principle of which is the lack of supporting documentation describing the regime and making the calculation of the Measure clear. Whilst this is a clear failure the centralised nature of the way in which the Measure is calculated means that there should not be any variations in approach and limited impact on the Measure itself. The lack of detailed surveys at the depots continues to be a cause for concern with half the sites being reported on the old methodology. On this basis the system reliability grading is put at 'C'.

Accuracy Grading System

Based on the same principles as adopted in the assessments of the grading of the SSM the low average variation between the Network Rail and Reporter results leads to the awarding of an Accuracy Grading of '2'.

Comparison with 2010-11 Results

The LMDSM Confidence Grading awarded in 2010-11 was level 'C4'. Once again, as with the SSM there has been a marked closing of the gap between the two sets of results. The scale of the depot survey in 2011 has clearly been much larger than in previous reviews and this may have helped to iron-out individual site issues to provide a more balanced view of the accuracy of the measure.

There remain a number of issues with the process which seem to make little progress and a number of the issues raised in 2010-11 remain.

Comparison with Benchmark

There is no reason why the Confidence Rating for the LMDSM should not be at the same level as the SSM. What is currently dragging it down is the lack of a documented process and clear understanding of the way the regime ties data from various surveys together. It is known that Network Rail is working on improvements to the documentation and it is hoped that this will close out issues which will lead to an improvement in the System Reliability assessment.

Highest Achievable Grade

The highest achievable grade for the LMDSM is considered to be the same as that for SSM at Confidence Grading 'A1'.

5.4 **Recommendations**

5.4.1 **Progress on Previous Recommendations**

The following table describes the progress which has been made on the previously identified recommendations.

Recommendation Number	Recommendation	Due Date	Progress
2011SSM01	Update system in OPAS such that ARLs greater than the ALE cannot be input	March 2011	Completed
2011SSM02	Review the ALE tabulation to remove discrepancies, and validate assessments of asset life	May 2011	Work has begun regarding the review of the ALE tables. This work is ongoing.
2011SSM03	Review whether the recording system should be updated to allow for greater than one defect per recorded element	May 2011	Completed
2011SSM04	Issue guidance on LMDC assessments similar to the recent SSM note including a review of the asset weightings	March 2011	Work on the review of the LMDC (LMDSM) documentation is ongoing with completion expected in June 2012
2011SSM05	Prioritise updating of survey data	May 2011	Evidence of resources being developed to depot surveys and a commitment to complete all depot surveys during current Control Period, thus deemed completed.

Table 5-1: Progress on Previous Recommendations

5.4.2 **Reporter Recommendations**

Throughout the report a number of actions have been suggested which it is believed will improve the processes and quality of the data behind the SSM and LMDSM. Table 5-2 contains the Reporter Recommendations from the review.

Number	Recommendation to Network Rail	Location in Text	Network Rail Data Champion	Due Date
2012SSM01	The ALE data should be included in the surveyor flip books as a means of bringing these figures to the attention of the surveyors when they are structuring and undertaking their surveys.	3.2.3	John Chappell	Oct 2012
2012SSM02	A list of the last full survey at each station should be provided to the ORR to reassure them that the quinquenial reviews are being undertaken timeously.	4.4.7	John Chappell	July 2012
2012SSM03	A more rigorous approach should be taken to the auditing of surveys at stations where significant investment has taken place to ensure accuracy and to validate that new layouts are accurately described and that old data is not retained when new assets are added	3.4.2 / 4.4.7	John Chappell	Sept 2012
2012SSM04	Network Rail should monitor its achievement of the 5% site audit of its CEFA contractor's detailed survey outputs	3.4.1	John Chappell	July 2012

Table 5-2: Reporter Recommendations

Appendix A

Commission Mandate

Mandate for Independent Reporter Part A – Data assurance 2011-2012, Asset Management (station stewardship)

Audit Title:	Data assurance 2011-2012, Asset Management (station stewardship)
Mandate Ref:	ТВС
Document version:	Final
Date:	2 December 2011
Draft prepared by:	Chris Fieldsend
Remit prepared by:	Chris Fieldsend
Network Rail reviewer:	John Chappell

Authorisation to proceed

ORR	Chris Fieldsend	
Network Rail	John Chappell	

Purpose

This mandate sets out the scope of work for the Part A Independent Reporter (Arup) to review Network Rail's (NR) asset management (station stewardship) data. As regulated targets, it is critical that ORR has assurance of the quality of this data. The Station Stewardship Measure (SSM) is used by Network Rail to inform over £1billion of investment in operational property. It is therefore imperative that ORR has confidence that these investment decisions are based on reliable and accurate data. Similarly, ORR needs confidence that the Light Maintenance and Depot Condition Measure (LMDCM) can be used to inform investment in Network Rail's depots.

Background

Arup last reviewed NR's asset management (station stewardship) data in Q3 (November – February) 2010-2011. The review concluded that NR has sound processes in place for the derivation of SSM, and that the overall quality of the data had improved (from a C4 to a B3) since 2009-2010. The review also found that new documentation introduced to assess Asset Life Expectancy (ALE) could lead to varied individual assessments between stations and station elements.

The 2010-2011 Q3 review also assessed LMDCM. While the confidence rating improved from a C5 (in 2009-2010) to a C4, the review found issues relating to a dichotomy of methodologies and a lack of detailed reporting in OPAS (Operational Property Asset System).

ORR, NR and Arup have worked together to fully understand the implications of the findings and agree the most appropriate way to address the recommendations. In August 2011 ORR, NR and Arup agreed a plan to fully understand the variations observed during the review. The plan sets out a number of actions for completion by the end of December 2011, under the Part A Independent Reporter Building and Civils Transformation programme.

Scope

In assessing SSM and LMDC this review should:

- comment on the reliability, quality, consistency, completeness and accuracy of the reported data;
- present a confidence grade for each KPI and comment upon the direction of travel since last reviewed in Q3 2010-2011; and
- report on progress against recommendations made in Q3 2010-2011 and make appropriate recommendations where necessary.

Specifically, the review should consider the:

- findings of the recent Asset Stewardship Measures review (conducted by Faithful+Gould), and potential implications on SSM nationally
- extent of variance between NR's SSM survey results, and those determined by the Independent Reporter
- form of any variances found, i.e. variation in measure, variation in residual life, new layout or equipment, different material, unable to validate or other
- appropriateness of processes and guidelines for assessing the ALE
- extent and quality of training provided to SSM and LMDCM surveyors
- quality of systems used to record SSM and LMDCM, and appropriateness of supporting documentation
- sampling of elements assessed at different stations and depots
- extent, frequency and thoroughness of which NR conduct internal audits
- impact of individual station / depot variances on the top level regulated measures (SSM and LMDCM)
- comprehensiveness of depot condition surveys that support the LMDCM
- collation and reporting mechanism for LMDCM
- extent to which there is a systematic bias (optimistic or pessimistic) in both SSM and LMDCM

Methodology

The Reporter should:

- review the findings of the Faithful+Gould report and agree with NR and ORR as to whether further analysis is required
- meet with relevant Network Rail employees to understand any procedural changes [to the processes used to report SSM and LMDCM] since the Q3 2010-2011 report
- review all relevant documentation and systems, and comment upon their quality and fitness for purpose
- meet with NR's surveyors (Amey) to understand the training / guidance provided, and conduct joint surveys (Reporter to confirm number)
- review the full training programme for SSM and LMDCM
- outline their proposed methodology to assess the specific requirements listed above (including visits to stations and depots)

outline their sampling methodology, and anticipated number of station / depot visits. ORR and NR are keen for the Reporter to review a statistically significant sample, and would like the Reporter to note the feasibility of this within their proposal

- review the analysis (final report due January 2012) conducted by NR, following the joint review of the 2010-2011 SSM / LMDCM data assurance report
- state the confidence that ORR / NR can have in the findings, given their proposed methodology

Deliverables

The Reporter should provide a publishable report, including findings, conclusions and recommendations. The report should be prepared in draft form and sent electronically to Network Rail and ORR, at the same time. The Reporter should facilitate feedback (via a tripartite feedback session) and provide a revised report with track changes. This should be followed by a final report for publication on ORR's website.

Timescales

A fully costed proposal for this work is required by 9 December 2011. Work is expected to commence shortly after, following approval by NR and ORR. A draft report is required by 24 February 2012 and a final report is required by 30 March 2012.

Independent Reporter remit proposal

The Independent Reporter shall prepare a fully costed proposal for review and approval by NR and ORR on the basis of this mandate. The approved remit will form part of the mandate and shall be attached to this document. The proposal will detail methodology, tasks, programme, deliverables, resources and costs.

Confidence grades

The Independent Reporter shall provide a confidence grade for each of the measures under investigation. The confidence grading system in Annex A should be used. For each measure, the Independent Reporter should include the:

- confidence grade for this review;
- o commentary on direction of travel since last year;
- o commentary on this year's grade against ORR's benchmark; and
- o an indication of the highest achievable grade for each measure.

Annex A: Confidence grading system

System Reliability Band	Description		
A	Appropriate, auditable, properly documented, well-defined and written records, reporting arrangements, procedures, investigations and analysis shall be maintained, and consistently applied across Network Rail. Where appropriate the systems used to collect and analyse the data will be automated. The system is regularly reviewed and updated by Network Rail's senior management so that it remains fit for purpose. This includes identifying potential risks that could materially affect the reliability of the system or the accuracy of the data and identifying ways that these risks can be mitigated.		
	The system that is used is recognised as representing best practice and is an effective method of data collation and analysis. If necessary, it also uses appropriate algorithms.		
	The system is resourced by appropriate numbers of effective people who have been appropriately trained. Appropriate contingency plans will also be in place to ensure that if the system fails there is an alternative way of sourcing and processing data to produce appropriate outputs.		
	Appropriate internal verification of the data and the data processing system is carried out and appropriate control systems and governance arrangements are in place.		
	The outputs and any analysis produced by the system are subject to management analysis and challenge. This includes being able to adequately explain variances between expected and actual results, time-series data, targets etc.		
	There may be some negligible shortcomings in the system that would only have a negligible effect on the reliability of the system.		
В	As A, but with minor shortcomings in the system.		
	The minor shortcomings would only have a minor effect on the reliability of the system.		
С	As A, but with some significant shortcomings in the system. The significant shortcomings would have a significant effect on the reliability of the system.		
D	As A, but with some highly significant shortcomings in the system. The highly significant shortcomings would have a highly significant effect on the reliability of the system.		

System reliability grading system

Notes:

1. System reliability is a measure of the overall reliability, quality, robustness and integrity of the system that produces the data.

2. Some examples of the potential shortcomings include old assessment, missing documentation, insufficient internal verification and undocumented reliance on third-party data.

Accuracy Band	Description
1*	Data used to calculate the measure is accurate to within 0.1%
1	Data used to calculate the measure is accurate to within 1%
2	Data used to calculate the measure is accurate to within 5%
3	Data used to calculate the measure is accurate to within 10%
4	Data used to calculate the measure is accurate to within 25%
5	Data used to calculate the measure is accurate to within 50%
6	Data used to calculate the measure is inaccurate by more than 50%
х	Data accuracy cannot be measured

Accuracy grading system

Notes:

1. Accuracy is a measure of the closeness of the data used in the system to the true values.

2. Accuracy is defined at the 95% confidence level - i.e. the true value of 95% of the data points will be in the accuracy bands defined above.

Benchmark grades

As agreed with Network Rail, from Q3 2011-2012 data assurance reviews will use this new confidence grading system. A characteristic of the new system is the introduction of a benchmark grade; the grade at which ORR believes the measure should be, given what we know about the processes and level of subjectivity in deriving it. It should be noted that the derivation and application of benchmark grades has recently been introduced, and all parties should decide how useful this element is throughout the review. The table below provides ORR's benchmark grades for the 2011-2012 data assurance review of asset management (station stewardship).

Measure	Benchmark grade
SSM	A1
LMDCM	A1

Appendix B

Sampling Paper

То	John Chappell (NR) Bob Kirk (NR) Justin Kennedy (NR) Chris Fieldsend (ORR) Jim Bostock (ORR) Mervyn Carter (ORR) Douglas Leeming (Arup)	Date 13 February 2012
Copies	Stefan Sanders (Arup)	Reference number IH
From	Ian Hood x 52031 (13 Fitzroy Street, London) Andrew Eaves (Arup) Shiv Nanda (NR) Fazilat Dar (ORR)	File reference
Subject	SSM/LMDC Sample Sizes	

This memo sets out the conclusions of a meeting held on the 10th February 2012 with Shiv Nanda, Fazilat Dar, Andrew Eaves and Ian Hood. The purpose of the meeting was to jointly agree the sample sizes for the Arup audit of Station Stewardship measure (SSM) and Light Maintenance Depot Condition (LMDC) scoring, following the proposal issued by Arup in the document 'SSM Sampling Proposal v1' dated 24th January 2012.

Meeting Notes & Summary:

The Arup SSM & LMDC Sampling Proposal recommends using a sample size of 57 stations with a confidence level of 95% & level of 0.06 precision. Following discussions and before this meeting, the depot sample of 17 recommended in the report was reduced to an initial 10 when the results can be reviewed and the need for increasing the sample can be decided. It has also subsequently been agreed with NR that only the 35 depots with scores recorded in OPAS can be sampled because only those depots have disaggregated score data. The sample size of 10 therefore represents a significant size of the available depots (this being 29% of the total depot population).

A sample of 57 stations and 10 depots is a starting point, however we need to recognise that this is an iterative and continuous improvement process NR and Arup would be embarking on.

The proposal bases its analysis on the standard deviation for the differences (0.23). This is considered to be appropriate.

A pair t test has been used in the above proposal for stations. The principle behind this test is understandable as we want to compare two population means of scores, though ideally these two sets of scores should be pre and post recommendations made by ORR/Arup.

In the meeting we recognised that before we start comparing NR and Arup scores at 0.1 to 0.01 level of accuracy we need to ensure that there is least amount of variance between the methodology used to calculate SSM / LMDC scores and the methodology used to test them for assurance/audit purposes. Key steps to reduce variance and make the t rest sampling and testing more precise and accurate going forward would include:

- 1. Commonality in understanding and skill levels of NR Surveyors and Arup auditors;
- 2. Ensuring NR surveyors and Arup auditors do not have missing documentation, insufficient internal verification and undocumented reliance on third-party data;
- 3. Training plan for NR surveyors; and
- 4. Possibility of including joint surveys.

For the t test to be effective (in determining correct sample size & rejecting the null hypothesis) the key assumptions are that a same set of population is tested for before and after scores after a recommended change has been administered. E.g. checking patient's condition before and after a recommended drug has been administered. If the recommended drug has not been administered the variance between before and after loses its significance regarding the impact of the drug, but it will highlight the difference in the method of measurements – in our case of the NR survey and the Arup audit.

Under present circumstances and at this point in time, if for whatever reason (and these may well be valid reasons) all recommendations proposed by Arup have not been carried out, checking SSM and LMDC scores against Arup measure for reliability & accuracy loses its significance.

Nonetheless, it very importantly points out the variance in the way in which NR & Arup measure these scores and prompts us to act accordingly.

Therefore, NR and Arup have to work hand in hand to achieve two key goals:

- 1. NR's ability to have a reliable and accurate measure that Arup recognises with confidence.
- 2. Arup's ability to conduct audits & provide assurance on the accuracy and precision of SSM & LMDC score is achieved.

In summary, the present t test highlights variance in the way scores are measured (both at process & skill level). Hence the starting point is to take joint steps to reduce this variance, for which the proposed sample sizes of 57 stations and 10 depots will be suitable. This would, going forward help Arup to be able to provide assurance on accuracy & reliability of SSM/LMDC scores.

Follow up questions and answers

1) When we met on the 1 Feb we talked about understanding the sample size required for a category level assessment of SSM (as Regulated). Although we recognised this was most probably unaffordable / undeliverable I had thought part of the task was to understand the degree of compromise imported by looking only at the national level – did I misunderstand or did we decide not to do this?

Table 1 shows the precision that results from our recommended sample sizes by station category, and Table 2 gives an indication of the sample sizes required to obtain a consistent precision of 6% across all station categories. These figures, however, should be treated with caution because the standard deviations by station category are based on little data.

		88 1			8.	
Station Category	Standard Deviation (s)	Confidence Level (α)	Z-value (z)	Precision Level (p)	Sample Size	Finite Pop'n Sample Size (n)
	(3)	(u)	(4)	Ψ)	(n _{inf})	(#)
А	0.08	95%	1.96	0.095	3.0	3
В	0.18	95%	1.96	0.200	3.0	3
С	0.10	95%	1.96	0.090	4.7	5
D	0.11	95%	1.96	0.095	5.6	6
Е	0.06	95%	1.96	0.032	13.8	14
F	0.29	95%	1.96	0.113	26.1	26
Overall	0.23	95%	1.96	0.060	57.9	57

Table 1: Suggested Sample Sizes – Station Category

Station Category	Standard Deviation	Confidence Level	Z-value	Precision Level	Sample Size	Finite Pop'n Sample Size
	<i>(s)</i>	(α)	(z)	(p)	(n_{inf})	<i>(n)</i>
А	0.08	95%	1.96	0.060	7.5	6
В	0.18	95%	1.96	0.060	33.2	22
С	0.10	95%	1.96	0.060	10.7	11
D	0.11	95%	1.96	0.060	13.9	14
E	0.06	95%	1.96	0.060	3.9	4
F	0.29	95%	1.96	0.060	92.6	86
Overall						143

1) What is the 'confidence level' and the 'precision' offered by a sample of 10 for LMDSM?

Table 3 shows a range of confidence levels and precision levels that lead to a sample size of 10 for depots. In the case of depots it makes sense to do an initial smaller scale study as we do not have any pre-existing information. After the initial study the sampling plan can be reassessed depending on the findings.

Standard Deviation	Confidence Level	Z-value	Precision Level	Sample Size	Finite Pop'n Sample Size
(<i>s</i>)	(<i>a</i>)	<i>(z)</i>	(<i>p</i>)	(n_{inf})	(<i>n</i>)
0.23	95%	1.96	0.100	20.8	17
0.23	95%	1.96	0.140	10.6	10
0.23	85%	1.44	0.100	11.2	10
0.23	90%	1.64	0.120	10.2	10

Table 3.	Sample	Size	Scenarios -	. Denots
I able J.	Sample	SIZC	Scenarios .	- Depuis

Is a precision of 6% adequate for ORR's purposes when the ORR benchmark for SSM and LMDSM is an accuracy of 1% (i.e. A1)?

This touches on a very important aspect of the work. We would argue that this is a hypothetical question at this stage. We are expecting that there will be a difference between the NR and Arup scores similar to what was found last year (and in the subsequent NR analysis) as mentioned in the meeting notes above. The challenge for this work will be to identify / confirm the root causes for the differences and their impact.

To provide a Confidence Grade for SSM, we will need to define the baseline from which we are measuring reliability and accuracy. It has already been agreed to defer the introduction of mitigations for some of the root causes identified last year until the start of CP5 (for example, the impact of including no platform tactile and copers in the SSM score). Other mitigations have only just been introduced and won't yet be affecting the SSM scores. Whilst the former can be discounted from our assessment of reliability and accuracy - albeit by approximating their impact on the scoring – we would argue that the latter should be included in the assessment. Given their impact has yet to feed through to the scoring, an accuracy of 1 (within 1%) will not be achievable this year.

LMDC is another matter as we have not really tested this before. As indicated above, we will probably have to take a pragmatic approach given that the sample size for a precision of 1% is likely to be prohibitively large.

Appendix C

Detailed Site Survey Results

The sheets showing the breakdown of the individual site review results are presented in the following pages in alphabetical order within station category and then for the depots.

Station Category A	1 Glasgow Central	2 Marylebone	3 Reading
Station Category B	4 Ipswich	5 Perth	6 Winchester
Station Category C	7 Blackpool North	8 Cardiff Queen Street	9 Chatham
	10 Derby	11 Three Bridges	-
Station Category D	12 Bognor Regis	13 Hexham	14 Liskeard
	15 Mount Florida	16 Todmorden	17 Wrexham General
Station Category E	18 Ashwell	19 Bridgewater	20 Brunswick
	21 Bushey	22 Erdington	23 Girvan
	24 Hertford East	25 Kearsney	26 Kidsgrove
	27 Malton	28 Melton Mowbray	29 Radyr
	30 Saltcoats	31 Sway	-
Station Category F	32 Adlington	33 Ashchurch	34 Battersby
	35 Brandon	36 Cark	37 Crouch Hill
	38 Dovey Junction	39 East Malling	40 Elsecar
	41 Filton Abbey Wd.	42 Fort Matilda	43 Glynde
	44 Grateley	45 Hammerton	46 Haydon Bridge
	47 Lapworth	48 Larkhall	49 Laurencekirk
	50 Lingwood	51 Maidstone Barracks	52 Newcraighall
	53 Ridgemont	54 Sileby	55 St Bees
	56 Stone	57 Yetminster	-
Depot	1 Ayr Townhead	2 Birkenhead North	3 Bletchley
	4 Cokerhill	5 Derby Etches Park	6 Fratton
	7 Orpington	8 Perth	9 Southend Victoria
	10 Welwyn	-	-

The following is the order of data presentation.

Following the individual facility sheets are summaries of the weekly survey and an overall assessment of the high level figures.

Station GLASGOW CENTRAL Network Rail Survey v07/05/10;04/11/07 64% SCORE Date of Visit MB/DL 30/03/2012 Surveying firm Amey/Atkins Summary Elements Audited 36 ARL MAT LAY οк ARL % MATS LAY N OK % Block All 0 #DIV/GI ō 0 0 #DIV/01 #DIV/01 #Drv/0 #DIV/01 Access Route 01 4 4 100% 0 0 25% 0% 0% 75% 1 3 Access Route 02 7 100% 0 5 14% 0% 14% 72% 7 1 1 Access Route 03 33% 0 0% 0% 0% 100% 6 2 ¢ ø 2 Access Route 04 6 6 100% 6 0 5 0% 0% 83% 17% 1 Access Route 05 10 10 100% 0 0 10 0% 0% 100% 0% 0 Access Route 06 4 0% 0% 4 100% 0 0 4 0 0% 100% Access Route 07 12 100% 4 33% 8% 58% 12 1 0 7 0% Access Route 08 11 11 100% 2 2 0 7 18% 18% 0% 64% Access Route 09 4 4 100% 0 0 0 4 0% 0% 0% 100% Building 01 67 0% 0% 100% 17 25% Ø. 0 0 17 0% **Building 02** 100% 0 0% 50% 50% 2 2 1 0 1 0% Building 03 2 ¢ 0% ø 0 0 ø 0% 0% 0% 100% 0% 0 0% 0% 100% Building 04 2 0 0 0 Ó 0% Building 05 50% 0% 0% 4 2 Ô 0 0 2 0% 100% 33% 0% 100% Building 06 3 1 ø 0 0 0% 0% 1 **Building 07** 33% Ċ. 0 0 0% 0% 0% 100% 3 1 1 33% 0% 100% **Building 08** 0 0 0% 0% 3 0 1 1 Building 09 2 2 100% 0 0 2 0 0% 0% 100% 0% 50% 0% 100% **Building 10** 2 1 0 0 0 1 0% 0% Building 11 Ó 0% ů 0 0 0% 0% 0% 100% đ 2 100% **Building 12** ø 0% 0 0 0 0% 0% 0% 0 2 **Building 13** 4 87% 0 Ó 0 4 0% 0% 0% 300% 6 0% **Building 14** 100% 0 0 0 0% 0% 100% **Building 15** 100% Ū, 0 0 0% 0% 100% 0% 5 5 5 0% **Building 16** 100% 0 0 0% 0% 100% 5 5 0 **Building 17** 4 0 0% 0% 0% 4 100% Ô, 0 4 100% 0% **Building 18** 2 2 100% ø 0 2 Ô 0% 0% 100% **Building 19** 100% 0 0% 0% 0% 100% Ô 2 2 2 0 Building 20 50% 0% 0% 0% 100% 0 0 0 2 1 1 **Building 21** 100% Ċ, 0% 0% 100% 0% 0 đ 3 5 **Building 22** 30% Ô 0 0 0% 0% 0% 100% 2 1 1 **Building 23** 100% 0% 0% 100% ð 0 0% 0 2 2 77% Canopy 01 15 12 92% 0 8% 0% 15% 1 9 2 10 0% 0% 100% Canopy 02 0% 0 0 0% Φ ø 0 Car Park 01 100% 0% 100% 0% 4 4 0 0 0 0% Car Park 02 0% 0% 0% 100% Ó Ø 1005 0 11% 67% 78% 0 22% 0% 4 Concourse 03 3 2 75% 4 4 100% 0% Concourse 02 1 0 3 25% 0% Platform 01 36 27 0% 3% 89% 75% 8 3 23 8% Platform 02 70% 20 20 100% 34 30% 0% 0% 6 0 0 80% Platform 03 20 95% 20% 0% 0% 19 4 0 15 Platform 04 22 0% 9% 82% 12 9% 16 73% 2 0 Platform 05 95% 21 15 71% ٥ 14 5% 0% 0% 1 Platform 06 19 100% 21% 0% 21% 58% 19 ò 11 4 67% Platform 07 21 12 14% 19 90% 2 10% 10% 3 5% 5% 0% 91% Platform 08 22 22 100% 1 1 0 20 55 0% 69% Train Shed 01 90 83 92% 25 28% 3% 74 Total 516 397 77% 58 10 255 11% 2% 14% 72%

1 Glasgow Central (Cat A) [Calculated SSM Variation -3%]

Glasgow Central (continued)

Station	GLASGOW	CENTRAL		SCORE	64	0/	Network R	ail Survey	v07/05/10;04/11
Date of Visit	30/03/2	2012	MB/DL	SCORE	64	·70	Surveying	Firm	Amey/Atkins
. .									
Commentary Block	Measures Better	Measures Beyond ALE	Commen	ts					
All	0	0							
Access Route 01	0	1							
Access Route 02	2	0							
Access Route 03	0	0		d access to t					
Access Route 04	0	0		ute changed					
Access Route 05	0	0		ute changed					
Access Route 06	0	0	Access ro	ute changed	ł				
Access Route 07	0	4							
Access Route 08	0	2							
Access Route 09	0	0							
Building 01	2	0							
Building 02	0	0							
Building 03	0	0							
Building 04	0	0							
Building 05	2	0							
Building 06	0	0							
Building 07	0	0							
Building 08	0	0							
Building 09	0	0							
Building 10	1	0							
Building 11	0	0							
Building 13	0	0							
Building 14	1	0							
Building 15	0	0							
Building 16	0	0							
Building 17	0	0							
Building 18	0	0							
Building 19	0	0							
Building 20	1	0							
Building 21	1	0							
Building 22	0	0							
Building 23	1	0							
Canopy 01	0	0							
Canopy 02	0	0							
Car Park 01	0	0	Car park l	ayout chang	ed				
Car Park 02	0	0	Car park l	ayout chang	ed				
Concourse 01	0	2							
Concourse 02	1	1							
Platform 01	0	0							
Platform 02	6	1							
Platform 03	1	0							
Platform 04	0	0							
Platform 05	0	0							
Platform 06	0	0							
Platform 07	0	1							
Platform 08	2	1							
Train Shed 01	1	28							
Total	22	41							

2 Marylebone (Cat A) [Calculated SSM Variation Undetermined]

Station Date of Visit	MARYLEI 21/03/2		GH/DL	SCORE	85	5%		Network	Rail Survey		_
Date of Visit	21/03/2	212	JON/DL	_				Surveying	[s sem	Amey/1	viou
Summary							-			-	
Block	Elements	Audited	· 8-	ARL	MAT	LAY	ок	ARL%	MATS	LAYS	0
Access Route 01	24	17	71%	. 9	0	0	1	IIN	0%	0%	1
Access Route 02	10	9.	90%	2	1	0	6	20%	10%	0%	
Access Route 03	11	11	100%	1	0	0	10	9%	0%	0%	
Access Route 04	12	11	.92%	1	0	0	10	8%	0%	0%	114
Access Route 05	30	10	100%	0	0	0	10	0%	0%	0%	3
Building 01	1034	246	24%	43	3	0	200	4%	0%	0%	
Building 02	37	17	46%	0	1	0	16	0%	3%	0%	1
Building 03	31	2	6%	0	0	0	2	0%	0%	0%	1
Building 04	62	31	50%	0	0	0	31	0%	0%	0%	1
Building 05	11	11	100%	0	0	11	0	0%	0%	100%	1.59
Building 06	6	6	100%	0	0	6	0	0%	0%	100%	19
Building 07	20	17	85%	2	0	0	15	10%	0%	0%	1
Canopy 01	23	23	100%	0	0	0	23	0%	0%	0%	1
Canopy 62	12	11	92%	0	0	0	11	0%	0%	0%	1
Canopy 03	7	3	43%	0	1	0	2	0%	14%	0%	1
Canopy 04	15	14	93%	0	0	0	- 14	0%	0%	0%	1
Canopy 05	17	15	88%	0	0	0	15	0%	0%	0%	.1
Platform 01	33	28	85%	0	0	0	28	0%	0%	0%	1
Platform 02	37	11	\$4%	0	0	0	31	0%	0%	0%	2
Platform 03	42	39	93%	1	2	4	32	2%	5%	10%	8
Retail Unit 01	1	0	0%	0	0	0	0	0%	0%	0%	3
Retail Unit 02	1	0	0%	0	0	0	0	0%	0%	0%	1
Train Shed 01	21	16	76%	0	0	0	16	0%	0%	0%	1
Train Shed 62	2	2	100%	0	0	0	2	0%	0%	0%	3
Train Shed 02 Total	2 1479	2 570	100% 39%	0 59	0	0	482	0% 4%	0%	0%	_
and the second se											_
and the second se											_
Total				59							_
Total Commentary	1479 Measures	570 Measures Beyond	39%	59							_
Total Commentary Block	1479 Measures Better	570 Measures Beyond ALE	39%	59							_
Total Commentary Block Access Route 01	1479 Measures Better 7	570 Measures Beyond ALE 3	39%	59							_
Total Commentary Block Access Route 01 Access Route 02	1479 Measures Better 7 1	570 Measures Beyond ALE 3 0	39%	59							9
Total Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05	1479 Measures Better 7 1 5 5 5 5	570 Measures Beyond ALE 3 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01	1479 Measures Better 7 1 5 5 5 5 5 39	570 Measures Beyond ALE 3 0 0 0 0 71	39% Comment	59	8	21	482		1%		_
Total Commentary Block Access Route 01 Access Route 02 Access Route 04 Access Route 04 Access Route 05 Building 01 Building 02	1479 Measures Better 7 1 5 5 5 5 5 5 39 1	570 Measures Beyond ALE 3 0 0 0 0 0 71 4	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 03	1479 Measures Better 7 1 5 5 5 3 9 1 0	570 Measures Beyond ALL 3 0 0 0 0 0 71 4 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 03 Building 04	1479 Measures Better 7 1 5 5 5 5 39 1 0 1	570 Measures Beyond ALI 3 0 0 0 0 0 0 71 4 0 3	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 03 Building 04 Building 05	1479 Measures Better 7 1 5 5 5 5 5 1 0 1 0 0	570 Measures Beyond ALE 3 0 0 0 0 0 71 4 0 3 3 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 04 Building 05 Building 06	1479 Measures Better 7 1 5 5 5 5 5 5 1 0 1 0 1 0 0 1 0 0	570 Measures Beyond ALE 3 0 0 0 0 71 4 0 3 3 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 03 Building 05 Building 05 Building 07	1479 Measures Better 7 1 5 5 5 5 5 5 5 5 5 5 1 0 0 1 0 0 0 1	570 Measures Beyond ALE 3 0 0 0 0 71 4 0 3 0 0 0 3 3	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 04 Building 05 Building 05 Building 07 Canopy 01	1479 Measures Better 7 1 5 5 5 3 9 1 0 0 1 0 0 1 0 0 1 22	570 Measures Beyond ALE 0 0 0 711 4 0 3 0 0 3 0 0 3 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 02 Building 04 Building 05 Building 05 Building 07 Canopy 01 Canopy 02	1479 Measures Better 7 1 5 5 5 5 5 5 5 39 1 0 0 1 0 0 1 22 3	570 Measures Beyond ALI 3 0 0 0 0 0 71 4 0 0 3 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 05 Building 07 Canopy 01 Canopy 01 Canopy 02 Canopy 03	1479 Measures Better 7 1 5 5 5 5 5 5 5 5 5 5 5 1 0 0 1 1 0 0 1 1 22 2 3 0	570 Measures Beyond ALI 3 0 0 0 0 71 4 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 07 Canopy 01 Canopy 02 Canopy 04	1479 Measures Better 7 1 5 5 5 5 35 1 0 0 1 0 0 1 0 0 1 22 3 0 0 5	570 Measures Beyond ALE 3 0 0 0 71 4 0 3 0 0 3 0 0 0 3 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 03 Access Route 05 Building 01 Building 02 Building 04 Building 05 Building 05 Building 06 Building 07 Canopy 01 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Canopy 04 Canopy 05	1479 Measures Better 7 1 5 5 5 5 5 5 1 0 0 1 0 0 1 0 0 1 22 3 0 0 5 12	570 Measures Beyond ALE 3 0 0 0 0 71 4 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 01 Building 02 Building 04 Building 05 Building 06 Building 07 Canopy 01 Canopy 01 Canopy 02 Canopy 04 Canopy 04 Canopy 05 Platform 01	1479 Measures Better 7 1 5 5 3 39 1 0 0 1 0 0 1 0 0 1 22 3 0 0 1 22 3 0 0 5 5 12 13	570 Measures Beyond ALE 0 0 0 771 4 0 3 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 03 Access Route 05 Building 01 Building 02 Building 02 Building 04 Building 05 Building 07 Canopy 01 Canopy 01 Canopy 01 Canopy 04 Canopy 05 Platform 01 Platform 01 Platform 02	1479 Measures Better 7 1 5 5 5 5 39 1 0 0 1 0 0 1 0 0 1 22 3 0 0 5 5 12 13 14	570 Measures Beyond ALI 3 0 0 0 0 71 4 0 3 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 07 Canopy 01 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Canopy 05 Platform 01 Platform 02 Platform 03	1479 Measures Better 7 1 5 5 5 5 5 5 5 5 1 0 0 1 1 0 0 1 1 0 0 0 1 1 22 2 3 0 0 5 5 12 13 14 12 0	570 Measures Beyond ALI 3 0 0 0 0 71 4 0 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 01 Access Route 03 Access Route 03 Access Route 03 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 05 Canopy 01 Canopy 01 Canopy 02 Canopy 03 Canopy 03 Canopy 04 Canopy 05 Platform 01 Platform 03 Retail Unit 01	1479 Measures Better 7 1 5 5 5 5 5 39 1 0 1 0 1 0 0 1 1 0 0 1 1 22 3 0 0 5 5 12 13 14 10 0 0	570 Measures Beyond ALI 3 0 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 01 Access Route 03 Access Route 03 Access Route 03 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 06 Building 07 Canopy 01 Canopy 01 Canopy 02 Canopy 03 Canopy 03 Platform 01 Platform 03 Retail Unit 01 Retail Unit 02	1479 Measures Better 7 1 5 5 5 39 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	570 Measures Beyond ALE 3 0 0 0 0 71 4 0 3 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_
Total Commentary Block Access Route 01 Access Route 01 Access Route 03 Access Route 03 Access Route 03 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 05 Canopy 01 Canopy 01 Canopy 02 Canopy 03 Canopy 03 Canopy 04 Canopy 05 Platform 01 Platform 03 Retail Unit 01	1479 Measures Better 7 1 5 5 5 5 5 39 1 0 1 0 1 0 0 1 1 0 0 1 1 22 3 0 0 5 5 12 13 14 10 0 0	570 Measures Beyond ALI 3 0 0 0 0 0 0 0 0 0 0 0 0 0	39% Comment	59	8	21	482	4%	1%		_

Station Date of Visit	READ() 06/03/2		бн	SCORE	56	5%		Surveying	Rail Survey Firm		¥2050 γέγ
Summary											
Block	Elements	Audited	- 81	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
Access Route 01	47	47	100%	12	0	0	35	26%	0%	0%	745
Access Route 02	164	163	99%	52	0	0	111	32%	0%	0%	681
Access Route 03	26	26	100%	0	0	26	0	0%	0%	100%	01
Building 01	641	518	81%	65	0	7	446	10%	0%	1%	89
Building 02	349	349	100%	0	0	349	0	0%	0%	100%	01
Building 03	47	47	100%	0	0	47	0	0%	0%	100%	09
Building 04	68	58	100%	0	0	68	0	0%	0%	100%	09
Building 05	2385	751	31%	9	0	0	742	0%	0%	0%	100
Building 06	427	0	0%	0	0	0	0	0%	0%	0%	100
Building 07	219	0	0%	0	0	0	0	0%	0%	0%	100
Building 08	11	11	100%	0	0	11	0	0%	0%	100%	09
Canopy 01	60	60	100%	8	2	40	10	13%	2%	67%	17
Canopy 02	98	97	99%	. 9	0	72	16	9%	0%	73%	17
Canopy 03	94	90	96%	29	0	17	44	31%	0%	18%	51
Canopy 04	31	31	100%	0	0	31	0	0%	0%	100%	09
Canopy 05	11	7	64%	1	1	0	5	9%	3%	0%	82
Canopy 06	13	11	100%	0	0	13	0	0%	0%	100%	05
Car Park 01	15	14	93%	8	0	0	6	\$3%	0%	0%	47
Car Park 02	11	11	100%	0	0	11	0	0%	0%	100%	01
Concourse 01	29	19	100%	2	0	1	16	11%	0%	5%	- 84
Footbridge 01	116	99	85%	5	0	0	94	4%	0%	0%	- 96
Lift/escalator 01	25	19	100%	8	0	19	0	0%	0%	100%	09
Lift/escalator 02	21	21	100%	0	0	21	0	0%	0%	100%	05
Lift/escalator 03	23	23	100%	0	0	23	0	0%	0%	100%	01
Lift/escalator 04	22	20	91%	0	0	0	20	0%	0%	0%	100
Lift/escalator 05	11	8	73%	0	1	1	6	0%	9%	9%	82
Lift/escalator 06	2	2	100%	0	0	0	2	0%	0%	0%	100
Lift/escalator 07	2	2	100%	8	0	0	2	0%	0%	0%	100
Lift/escalator 08	2	2	100%	0	0	0	2	0%	0%	0%	100
Lift/escalator 09	16	13	#1%	0	0	0	13	0%	0%	0%	300
Lift/escalator 10	1	1	100%	0	0	0	1	0%	0%	0%	100
Platform 01	96	87	91%	18	0	6	63	19%	0%	6%	75
Platform 02	143	79	55%	34	1	36		24%	1%	25%	50
Platform 03	58	53	91%	6	0	36	11	10%	0%	62%	28
Platform 04	50	50	100%	8	0	25	17	16%	0%	50%	34
Subway 01	169	169	100%	0	0	169	0	0%	0%	100%	09
Total	5487	2970	54%	266	5	1029	1670	5%	0%	19%	76

3 Reading (Cat A) [Calculated SSM Variation 0%]

Reading (continued)

Station	READI	NG			E 6	0/	Network	Rail Survey	09/04/2
Date of Visit	06/03/2	2012	GH	SCORE	56	<mark>)%</mark>	Surveyin	g Firm	Amey
Commentary Block	Measures Better	Measures Beyond ALE	Commen	ıts					
Access Route 01	6	3							
Access Route 02	8	21							
Access Route 03			Demolis	hed as part o	of remodel	lling works			
Building 01	120	4							
Building 02									
Building 03									
Building 04			Demolis	hed as part o	of remodel	lling works			
Building 05	90	20							
Building 06									
Building 07									
Building 08									
Canopy 01	1		Parlty ho	arded off fo	r construc	tion			
Canopy 02	1								
Canopy 03	20	4	partly de	molished					
Canopy 04			Demolis	hed as part o	of remodel	lling works			
Canopy 05	1								
Canopy 06			Demolis	hed as part o	of remodel	lling works			
Car Park 01									
Car Park 02			Demolis	hed as part o	of remodel	lling works			
Concourse 01	9								
Footbridge 01	48	1							
Lift/escalator 01				hed as part o					
Lift/escalator 02				hed as part o					
Lift/escalator 03			Demolis	hed as part o	of remodel	lling works			
Lift/escalator 04	14								
Lift/escalator 05									
Lift/escalator 06									
Lift/escalator 07									
Lift/escalator 08									
Lift/escalator 09									
Lift/escalator 10									
Platform 01	5	29							
Platform 02	7	18		arded off fo					
Platform 03	9	4		arded off fo					
Platform 04	2	3	-	arded off fo					
Subway 01			Demolis	hed as part o	of remodel	lling works			
Total	341	107							

Station	IPSW	ICH			00	10/		Network	Rail Survey	v29/10/10	;31/10
Date of Visit	19/03/	2012		SCORE	90	0%		Surveying	Firm	Amey	/www.
Firmerica											
Summary				-	-		-				-
Block	Dements	Audited	- 56	AJIL	MAT	LAY	ОК	ARL %	MATS	LAYS	OK
All	2	0	0%	0	0	0	0	0%	0%	0%	100
Access Route 01	30	29	97%	2	0	0	27	7%	0%	0%	931
Building 01	39	28	72%	3	2	1	22	8%	5%	3%	855
Building 02	- 4	4	100%	1	0	0	3	25%	0%	0%	755
Building 03	2	2	100%	0	0	2	0	0%	0%	100%	01
Building 04	2	0	0%	0	0	0	0	0%	0%	0%	100
Building 05	2	0	0%	0	0	0	0	0%	0%	0%	100
Building 06	2	0	0%	0	0	0	0	0%	0%	0%	100
Building 07	9	9	100%	0	0	0	9	0%	0%	0%	100
Canopy 01	41	39	95%	1	0	0	38	2%	0%	0%	945
Canopy 02	27	24	89%	2	0	0	22	7%	0%	0%	93
Car Park 01	53	52	98%	8	0	1	43	15%	0%	2%	835
Car Park 02	12	12	100%	0	0	1	11	0%	0%	8%	925
Footbridge 01	76	71	93%	4	0	0	67	5%	0%	0%	955
Platform 01	41	38	93%	0	1	0	37	0%	2%	0%	98
Platform 02	43	42	94%	0	2	2	38	0%	5%	5%	91
Platform 03	8	7	88%	0	4	0	3	0%	50%	0%	50
Total	393	357	91%	21	9	7	320	5%	2%	2%	91
Block	Measures	Measures									
	Better	Beyond	Comment	ts							
	Better	ALE	Comment	ts							
All	Better		Comment	ts							
All Access Route 01		ALE	Comment	ts.							
	0	ALE	Comment	ts							
Access Route 01	0	ALE 0 1	Comment	ts							
Access Route 01 Building 01 Building 02 Building 03	0 5 10 0	ALE 0 1 0 0 0 0 0 0 0	Comment	5							
Access Route 01 Building 01 Building 02 Building 03 Building 04	0 5 10 0 0	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment	ts							
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05	0 5 10 0 0 0	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment	is							
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05	0 5 10 0 0 0 0 0	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment	ts							
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05	0 5 10 0 0 0 0 0 0	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment	ts							
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 07 Carropy 01	0 5 10 0 0 0 0 0 0 22	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment	ts							
Access Route 01 huilding 01 building 02 building 03 building 04 building 05 building 06 building 07 Caropy 01 Caropy 02	0 5 10 0 0 0 0 0 0 22 6	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment								
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05 Building 06 Building 07 Canopy 01 Canopy 02 Car Park 01	0 5 10 0 0 0 0 0 22 6 7	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment								
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05 Building 06 Building 07 Canopy 01 Canopy 02 Car Park 01	0 5 10 0 0 0 0 0 0 22 6	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment								
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 05 Building 07 Caropy 02 Caropy 02 Car Park 01 Car Park 02 Footbridge 01	0 5 10 0 0 0 0 0 0 0 0 22 6 7 7 4 14	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment								
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 05 Building 07 Canopy 01 Canopy 02 Car Park 01 Car Park 02 Footbridge 01 Platform 01	0 5 10 0 0 0 0 22 6 7 4	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment								
Access Route 01 huilding 01 building 02 building 03 huilding 04 building 05 huilding 05 huilding 06 huilding 07 Canopy 01 Caropy 02 Car Park 01 Car Park 02 Footbridge 01 Platform 03 Platform 02	0 5 10 0 0 0 0 0 0 0 0 22 6 7 7 4 14	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment								
Access Route 01 Building 01 Building 02 Building 03 Building 04 Building 05 Building 05 Building 05 Building 07 Canopy 01 Canopy 02 Car Park 01 Car Park 02 Footbridge 01 Platform 01	0 5 10 0 0 0 0 0 0 0 0 22 6 7 7 4 14 5	ALE 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									

4 Ipswich (Cat B) [Calculated SSM Variation +9%]

Station	PERT			SCORE	01	2%		Network	Rail Survey	v21/	04/1
Date of Visit	24/02/2	912		ac ona	04	1/0		Surveying	firm	Atkins	/ An
Summary			_	_	_		_	-	_	_	-
Block	Elements	Audited	- 56	AJIL	MAT	LAY	ОК	ARL%	MATS	LAYN	0
All	2	0	0%	1			0	0%	0%	0%	30
Access Route 01	1	1	100%	0	0	0	1	0%	0%	0%	30
Access Route 02	11	11	100%	2	0	0	9	18%	0%	0%	8
Building 01	6	0	0%				0	0%	0%	0%	- 30
Building 02	2	0	0%				0	0%	0%	0%	30
Building 03	2	0	0%				0	0%	0%	0%	30
Building 04	8	0	0%	1		-	0	0%	0%	0%	10
Canopy 01	28	25	89%	4	0	0	21	14%	0%	0%	8
Canopy 02	20	20	100%	6	0	1	13	30%	0%	5%	6
Car Park 01	12	12	100%	2			10	17%	0%	0%	8
Car Park 02	5	5	100%	10/201			5	0%	0%	0%	30
Car Park 03	15	14	93%	2		1	11	13%	0%	7%	
Concourse 01	3	3	100%	1	2		0	33%	67%	0%	0
Footbridge 01	55	53	96%	5	0	.0	48	9%	0%	0%	9
Footbridge 02	12	7	38%	0	0	0	7	0%	0%	0%	20
Footbridge 03	65	65	100%	12	1	4	45	18%	2%	6%	7
Footbridge 04	26	26	100%	0	0	1	25	0%	0%	4%	. 9
Footbridge 05	63	62	98%	4	0	1	57	6%	0%	2%	. 9
Platform 01	28	27	96%	1.11.0	1		26	0%	4%	0%	9
Platform 02	48	40	83%		4	1	35	0%	8%	2%	9
Platform 03	93	77	83%	-	14		63	0%	15%	0%	
Train Shed 01	36	29	81%	11	1	0	17	31%	3%	0%	6
Train Shed 02	44	38	86%	10	0	1	27	23%	0%	2%	7
Total	585	515	88%	59	23	10	423	10%	4%	2%	8
TULBI	305	343	00/0	33	4.0	40	460	10/0	4/4	6/2	
Commentary											
	101 m	Measures	<u> </u>		-		_				
Block	Measures Better	Measures Beyond ALE	Comment	•	_						
		1.	Comment	•							
Block		Beyond	Comment	\$		_				_	_
Block		Beyond	Comment	s :							
Block All Access Route 01	Better	Beyond	Comment	\$							
Block All Access Route 01 Access Route 02	Better	Beyond	Comment	5							
Block All Access Route 01 Access Route 02 Building 01	Better	Beyond	Comment	3							
Block All Access Route 01 Access Route 02 Building 01 Building 02	Better	Beyond	Comment	•							
Block All Access Route 01 Access Route 02 Building 01 Building 02 Building 03	Better	Beyond	Comment	s							
Block All Access Route 01 Access Route 02 Building 01 Building 02 Building 03 Building 04	Better 4	Beyond	Comment	5							
Block All Access Route 01 Access Route 02 Building 01 Building 02 Building 03 Building 04 Canopy 01	Better 4	Beyond	Comment	5							
Block All Access Route 01 Access Route 02 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02	Better 4 6 3	Beyond									
Block All Access Route 03 Access Route 02 Building 01 Building 02 Building 03 Building 04 Cancepy 01 Cancepy 02 Car Park 03	Better 4 6 3	Beyond			uation betw	veen car p	ark 2 and	3 wrong			
Block All Access Route 01 Access Route 02 Building 01 Building 03 Building 03 Building 04 Canopy 01 Canopy 02 Car Park 01 Car Park 02 Car Park 03	Better 4 6 3	Beyond			cation betw	veen car p	ark 2 and	3 wrong			
Block All Access Route 01 Access Route 02 Building 01 Building 03 Building 03 Building 04 Canopy 01 Canopy 02 Car Park 03 Car Park 03 Car Park 03 Car Park 03 Car Park 03	6 3 3	Beyond			uation betw	veen car p	ark 2 and	3 wrong			
Block All Access Route 01 Access Route 02 Building 01 Building 02 Building 04 Canopy 02 Car Park 03 Car Park 03 Car Park 03 Concourse 01 Footbridge 01	6 3 19	Beyond	Note, blo	ck identifi				3 wrong			
Block All Access Route 03 Access Route 03 Access Route 02 Building 01 Building 03 Building 04 Canopy 01 Canopy 01 Canopy 02 Car Park 03 Car Park 03 Car Park 03 Concourse 01 Footbridge 01 Footbridge 02	6 3 3	Beyond ALE	Note, blo	ck identifi	sation betw			3 wrong			
Block All Access Route 01 Access Route 01 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Car Park 03 Car Park 03 Car Park 03 Concourse 01 Footbridge 01 Footbridge 02 Footbridge 03	Better 4 6 3 3 19 2 3	Beyond	Note, blo	ck identifi				3 wrong			
Block All Access Route 01 Access Route 02 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Car Park 03 Car Park 03 Car Park 03 Concourse 01 Footbridge 01 Footbridge 03 Footbridge 04	Better 4 6 3 3 1 2 2 3 12	Beyond ALE	Note, blo	ck identifi				3 wrong			
Block All Access Route 01 Access Route 02 Building 01 Building 03 Building 03 Building 04 Canopy 01 Canopy 02 Car Park 01 Car Park 01 Car Park 01 Car Park 03 Concourse 01 Footbridge 01 Footbridge 02 Footbridge 03 Footbridge 04 Footbridge 05	8etter 4 6 3 1 19 2 3 12 31	Beyond ALE	Note, blo	ck identifi				3 wrong			
Block All Access Route 01 Access Route 02 Building 01 Building 02 Building 03 Building 04 Canopy 02 Car Park 03 Car Park 03 Car Park 03 Contourse 01 Footbridge 01 Footbridge 03 Footbridge 03 Footbridge 04 Footbridge 05 Platform 01	8etter 4 6 3 3 19 2 2 3 12 31 12	Beyond ALE 	Note, blo	ck identifi				3 wrong			
Block All Access Route 03 Access Route 03 Access Route 02 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Car Park 03 Car Park 03 Car Park 03 Car Park 03 Contourse 01 Footbridge 03 Footbridge 03 Footbridge 04 Footbridge 05 Platform 01 Platform 02	Better 4 6 3 3 19 2 3 12 31 12 31 12 14	Beyond ALE 10 10 2	Note, blo	ck identifi				3 wrong			
Block All Access Route 03 Access Route 03 Access Route 02 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Car Park 03 Car Park 03 Concourse 01 Footbridge 03 Footbridge 03 Footbridge 03 Footbridge 04 Footbridge 05 Platform 01 Platform 02 Platform 03	8etter 4 6 3 3 19 2 3 12 12 31 12 12 14 25	Beyond ALE 	Note, blo	ck identifi				3 wrong			
Block All Access Route 03 Access Route 03 Access Route 02 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Car Park 03 Car Park 03 Car Park 03 Car Park 03 Contourse 01 Footbridge 03 Footbridge 03 Footbridge 04 Footbridge 05 Platform 01 Platform 02	Better 4 6 3 3 19 2 3 12 31 12 31 12 14	Beyond ALE 10 10 2	Note, blo	ck identifi				3 wrong			

5 Perth (Cat B) [Calculated SSM Variation +10%]

Station	WINCHE		1.1.1	SCORE	01	3%			Rail Survey	30/05	9/2
Date of Visit	07/03/2	912	10	at one	0.	0/0		Surveying	Firm	An	ne
Summary				_	_		_	-	_		-
Block	Elements	Audited	- 96	ARL	MAT	LAY	ОК	ARL%	MATS	LAYS	l
Access Route 01	26	23	96%	2			21	1%	0%	0%	t
Access Route 02	34	14	100%				14	0%	0%	0%	E
Access Route 03	12	12	100%				12	0%	0%	0%	Γ
Access Route 04	9	0	0%				0	0%	0%	0%	L
Access Route 05	7	0	0%	-		-	0	0%	0%	0%	L
Apron 01	26	0	0%				0.	0%	0%	0%	L
Building 01	527	197	37%	31		1	158	6%	0%	2%	Ļ
Building 02	125	61	49%	9	7	-	45	7%	6%	0%	Ļ
Building 03	21	0	0%		-		0	0%	0%	0%	ł
Building 04	36	19	53%	-	-	-	19	0%	0%	0%	ł
Building 05	27	0	0%		-	-	0	0%	0%	0%	ł
Canopy 01	38	18	100%	5	-	-	13	28%	0%	0%	ł
Canopy 02	19	19	100%	5		-	14	26%	0%	0%	ł
Canopy 03	36	34	94%	5	3	-	26	14%	8%	0%	ł
Canopy 64 Car Park 01	19	19	100%	2		-	5	29%	0%	0%	t
Car Park 02 Car Park 02	22	22	100%	5		-	18	23%	0%	0%	t
Car Park 02 Car Park 03	4	4	100%		-	-	4	0%	0%	0%	t
Curtilage 01	2	2	100%	1	-	-	1	50%	0%	0%	t
Curtilage 02	2	2	100%	1	1	-	0	50%	50%	0%	t
Curtilage 03	2		0%			-	0	0%	0%	0%	t
Curtilage 04	5		0%		-	-	0	0%	0%	0%	t
Curtilage 05	1	-	0%	-	-	-	0	0%	0%	0%	t
Curtilage 06	1	-	0%				0	0%	0%	0%	t
Platform 01	31	29	54%	2		-	27	6%	0%	0%	t
Platform 02	31	29	94%	4			25	13%	0%	0%	t
Subway 01	35	34	97%		1		33	0%	3%	0%	t
				73	12	8	452	7%	1%	1%	t
Total Commentary	1053	545	52%	73	14	0	432	176		1/8	
Commentary	1053 Measures	Measures			14	0	432			1/8	
			SZ%		12		452	1.4		1/0	
Commentary	Measures	Measures Beyond			12		452			14	
Commentary Block	Measures Better	Measures Beyond ALE			44	0	432			10	
Commentary Block Access Route 01	Measures Better 7	Measures Beyond ALE			46	•	432	- 10		10	
Commentary Block Access Route 01 Access Route 02	Measures Better 7 12	Measures Beyond ALE					432		***	10	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05	Measures Better 7 12	Measures Beyond ALE					432			10	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Apron 01	Measures Better 7 12 9	Measures Beyond ALE 1					452				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 05 Access Route 05 Apron 01 Building 01	Measures Better 7 12 9 	Measures Beyond ALE				•	200			17	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 02	Measures Better 7 12 9	Measures Beyond ALE 1				•	369				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 02 Building 03	Measures Better 7 12 9 	Measures Beyond ALE 1					364				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 02 Building 03 Building 04	Measures Better 7 12 9 	Measures Beyond ALE 1					36				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Building 01 Building 03 Building 04 Building 05	Measures Better 7 12 9 	Measures Beyond ALE 1					326				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 04 Access Route 05 Apron 01 Building 01 Building 02 Building 03 Building 05 Canopy 01	Measures Better 7 12 9 	Measures Beyond ALE 1					100				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 05 Access Route 05 Apron 01 Building 01 Building 01 Building 03 Building 04 Building 05 Canopy 01 Canopy 02	Measures Better 7 12 9 	Measures Beyond ALE 1					326				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 03 Access Route 03 Access Route 03 Building 01 Building 01 Building 02 Building 03 Building 04 Building 05 Cancey 01 Cancey 02 Cancey 03	Measures Better 7 12 9 	Measures Beyond ALE 1					32				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 02 Building 03 Building 04 Building 05 Canopy 01 Canopy 03 Canopy 04	Measures Better 7 12 9 	Measures Beyond ALE 1					200				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 02 Building 03 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 01	Measures Better 7 12 9 	Measures Beyond ALE 1									
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 01 Building 03 Building 03 Building 04 Building 05 Cancepy 02 Cancepy 03 Cancepy 04 Car Park 01 Car Park 02	Measures Better 7 12 9 	Measures Beyond ALE 1					200				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 05 Access Route 05 Apron 01 Building 01 Building 01 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 02 Car Park 03	Measures Better 7 12 9 	Measures Beyond ALE 1					32				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 03 Access Route 05 Access Route 05 Building 01 Building 01 Building 01 Building 02 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 01 Car Park 03 Curtilage 01	Measures Better 7 12 9 	Measures Beyond ALE 1					320				
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Building 01 Building 01 Building 02 Building 03 Building 04 Building 05 Cancey 01 Cancey 02 Cancey 03 Cancey 03 Cancey 04 Car Park 01 Car Park 02 Car Park 03 Curtilage 01 Curtilage 02	Measures Better 7 12 9 	Measures Beyond ALE 1					32				
Commentary Block Access Route 01 Access Route 02 Access Route 02 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 02 Building 03 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 03 Canopy 03 Canopy 03 Canopy 04 Car Park 03 Curtilage 03	Measures Better 7 12 9 	Measures Beyond ALE 1					32				
Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 01 Building 03 Building 03 Building 04 Building 05 Canopy 03 Canopy 03 Canopy 03 Canopy 04 Car Park 01 Car Park 01 Car Park 02 Car Park 03 Curtilage 04	Measures Better 7 12 9 	Measures Beyond ALE 1									
Commentary Block Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 05 Access Route 05 Building 01 Building 01 Building 01 Building 03 Building 04 Building 05 Canopy 04 Canopy 03 Canopy 04 Canopy 04 Car Park 03 Car Park 02 Car Park 03 Curtilage 03 Curtilage 05	Measures Better 7 12 9 	Measures Beyond ALE 1				• •					
Commentary Block Access Route 01 Access Route 03 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Apron 01 Building 01 Building 01 Building 03 Building 03 Building 04 Building 05 Canopy 03 Canopy 03 Canopy 03 Canopy 04 Car Park 01 Car Park 01 Car Park 02 Car Park 03 Curtilage 04	Measures Better 7 12 9 	Measures Beyond ALE 1				• •	320				
Commentary Block Access Route 01 Access Route 02 Access Route 02 Access Route 03 Access Route 03 Access Route 03 Building 01 Building 01 Building 01 Building 01 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 03 Curtilage 01 Curtilage 03 Curtilage 05 Curtilage 05 Curtilage 05	Measures Better 7 12 9 	Measures Beyond ALE 1				• •	320				
Commentary Block Access Route 01 Access Route 02 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Building 01 Building 01 Building 02 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 02 Canopy 03 Canopy 04 Car Park 03 Car Park 03 Curtilage 01 Curtilage 02 Curtilage 03 Curtilage 05 Curtilage 05 Curtilage 05 Curtilage 05	Measures Better 7 12 9 	Measures Beyond ALE 1				• •	320				

6 Winchester (Cat B) [Calculated SSM Variation -7%]

7	Blackpool North (Cat C)	[Calculated SSM Variation -2%]
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Station	BLACKPOO	A R D R R R R R R R R R R R R R R R R R	1.11	SCORE	01	1%				v30/12/11	;31/08
Date of Visit	14/03/	2012	ar	SCORE	9.	L 70		Surveying	g Firm	Amey/N	Aouch
Summary		-				-	-				-
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAYN	OK
Alt	4	4	300%				4	0%	0%	0%	100
Access Route 01	12	12	100%				12	0%	0%	0%	1005
Access Route 02	27	27	100%	1			24	11%	0%	0%	895
Building 01	34	22	05%			3	19	0%	0%	9%	915
Building 02	13	11	85%	Sec. 12			11	0%	0%	0%	100
Canopy 01	16	15	94%	1		2	32	6%	0%	13%	815
Canopy 02	11	10	91%	10000			10	0%	0%	0%	100
Canopy 03	12	11	92%	1			10	8%	0%	0%	925
Canopy 64	11	11	100%	1			10	9%	0%	0%	915
Car Park 01	19	15	100%	1. 1.		3	16	0%	0%	16%	843
Car Park 02	28	28	100%	1			27	4%	0%	0%	967
Platform 01	33	33	100%	5		1	27	15%	0%	3%	825
Platform 02	33	33	100%	2			31	-6%	0%	0%	945
Platform 03	28	28	100%	2		-	26	7%	0%	0%	935
Platform 04	29	29	100%	1	1		27	3%	3%	0%	931
Total	310	293	95%	17	1	9	266	5%	0%	3%	91
Block	Measures Better	Measures Beyond	Comment	ts							
		ALE	-								
All											
Access Route 01	2										
Access Route 02											
the state of the second s											
Building 01		-	<u> </u>								
Building 01 Building 02											
Building 01 Building 02 Canopy 01	1	1									
Building 01 Building 02 Canopy 01 Canopy 02	1										
Building 01 Building 02 Canopy 01 Canopy 02 Canopy 03	1	1									
Building 01 Building 02 Canopy 01 Canopy 02 Canopy 03 Canopy 04	-										
Building 01 Building 02 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 01	1	1									
Building 01 Building 02 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 01 Car Park 02	1	1									
Building 01 Building 02 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 01 Car Park 02 Platform 01	1	1									
Building 01 Building 02 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 01 Car Park 01 Car Park 02 Platform 01 Platform 02	1	1									
Building 01 Building 02 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Car Park 01 Car Park 01 Car Park 02 Platform 01 Platform 02 Platform 03	1	1									
Building 01 Building 02 Canopy 02 Canopy 03 Canopy 04 Car Park 01 Car Park 01 Car Park 02 Platform 01 Platform 02	1	1									

8 Cardiff Queen Street (Cat C) [Calculated SSM Variation +6%]

Date of Visit	CARDIFF QUE 12/03/2	the second second	GH	SCORE	88	3%		and a second second	Rail Survey		_
Date of Visit	12/03/2	5912	Юн					Surveying	[s sem	-	_
Summary			-	_			-				_
Block	Elements	Audited	- 96	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
All	7	0	0%				0	0%	0%	0%	100
Access Route 01	9	6	67%	1			5	11%	0%	0%	89
Building 01	184	44	24%	7			37	4%	0%	0%	- 96
Building 02	291	138	47%	đ	1	1	130	2%	0%	0%	97
Building 03	53	28	53%	1000	1	2	25	0%	2%	4%	. 94
Building 04	79	20	25%	1			20	0%	0%	0%	100
Canopy 01	21	20	95%	2	1		17	10%	5%	0%	86
Canopy 62	21	15	71%	2	1		12	10%	5%	0%	86
Canopy 03	8	0	0%				0	0%	0%	0%	100
Car Park 01	10	9	90%	1			8	10%	0%	0%	90
Lift / Escalator 01	38	0	0%	-			0	0%	0%	0%	100
Platform 01	70	50	71%	8	1		41	11%	1%	0%	87
Platform 02	52	35	67%	6		1	28	12%	0%	2%	87
Subway 01	51	30	59%	7			23	14%	0%	0%	86
Waiting Shelter 01	1	1	100%				1	0%	0%	0%	100
Total	897	396	44%	40	5	4	347	4%	1%	0%	95
				-		_	-	-	-	-	and the local division of the local division
Commentary											
		Measures									_
Block	Better	Beyond	Commen	ts							
Block	Better	Beyond ALE	Commen	ь							
0305		Beyond	Commen	ts							
All Access Route 01	Better	Beyond ALE 0			-PUBLIC AJ	EAS, illur	nination I	evels not a	vaild featur	re but in be	ook
All Access Route 01 Building 01	Better 0 4	Beyond ALE 0 0 1	NO ACCE	SS TO NON	to the print of the second			evels not a	The second second second	re but in bo	ook.
All Access Route 01 Building 01 Building 02	Better 0 4 21 70	Beyond ALE 0 1 0	NO ACCE	SS TO NON	to the print of the second			evels not a 7 NOT ON D	The second second second	re but in bo	ook.
All Access Route 01 Building 01 Building 02 Building 03	8etter 0 4 21	Beyond ALE 0 0 1	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in br	ook.
All Access Route 01 Building 01 Building 02 Building 03 Building 04	Better 0 4 21 70 16	Beyond ALE 0 1 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in be	ook.
All Access Route 01 Building 01 Building 02 Building 03 Building 04 Canopy 01	Better 0 4 21 70 16 9	Beyond ALE 0 1 0 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in bo	ook
All Access Route 01 Building 01 Building 02 Building 03 Building 04	Better 0 4 21 70 16 9 4	Beyond ALE 0 1 0 0 0 0 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in bo	ook .
All Access Route 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Canopy 03	Better 0 4 21 70 16 9 4 1	Beyond ALE 0 0 1 0 0 0 0 0 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in be	ook.
All Access Route 01 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02	Better 0 4 21 70 16 9 4 1 0	Beyond ALE 0 1 0 0 0 0 0 0 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in bo	sok.
All Access Route 01 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Canopy 02 Canopy 02 Canopy 03 Car Park 01	Better 0 4 21 70 16 9 4 1 0 4 1 0 4	Beyond ALE 0 0 1 0 0 0 0 0 0 0 0 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in bo	sok
All Access Route 01 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Canopy 02 Caropy 03 Car Park 01 Lift / Escalator 01 Platform 01	Better 0 4 21 70 26 9 4 1 0 4 0 3	Beyond ALE 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in bo	ook
All Access Route 01 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Uft / Escalator 01 Platform 03	Better 0 4 21 70 16 9 4 1 0 4 0	Beryond ALE 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in bo	ook
All Access Route 01 Building 01 Building 02 Building 03 Building 04 Canopy 01 Canopy 02 Canopy 02 Caropy 03 Car Park 01 Lift / Escalator 01 Platform 01	Better 0 4 21 70 16 9 4 1 0 4 0 3 3	Beyond ALE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NO ACCE NO ACCE	SS TO NON	PUBLIC AF	EAS, LOCA		and a submitted by body	The second second second	re but in be	ook

Station CHATHAM Network Rail Survey 81% SCORE **Date of Visit** 21/03/2012 JD Surveying Firm Summary Block Elements Audited 16 ARL MAT LAY OK ARL % MAT% LAYN OK % Alt 100% 0% 0% 0% 100% Access Route 01 100% 2 5 0% 29% 0% 71% 3 7 Access Route 02 11 11 100% 2 . 18% 0% 0% 82% Access Route 03 24 24 100% 6 18 25% 0% 0% 75% Access Route 04 28 28 100% 2 1 25 7% 4% 0% 89% Access Route 05 7 7 100% 7 0% 0% 0% 100% Apron 01 7 100% 5 29% 0% 0% 71% 7 2 Apron 02 9 9 100% 22% 11% 0% 67% 2 1 6 Building 01 360 74 21% 18 52 5% 0% 1% 94% Building 02 245 192 78% 6 18 3 165 2% 7% 1% 89% Building 03 269 176 65% 28 1 145 10% 0% 1% 88% **Building 04** 172 37 22% 36 0% 0% 1% 99% **Building 05** 28 Ó 0% 0% 0% 0% 100% Canopy 01 36 36 100% 6 22 17% 0% 22% 61% 8 Canopy 02 24 24 100% 18 4% 0% 21% 75% 1 × Canopy 03 18 18 100% 15 17% 0% 0% 83% 3 Canopy 04 17 17 100% 3 14 18% 0% 0% 82% Canopy 05 8 8 100% 2 6 25% 0% 0% 75% Car Park 01 52 50 96% 49 2% 0% 0% 98% 1 Car Park 02 46 45 98% 9 36 20% 0% 0% 80% Curtilage 01 8 8 100% 3 1 4 38% 13% 0% 50% Curtilage 02 100% 0% 33% 0% 67% 3 3 1 2 Curtilage 03 5 5 100% 1 4 0% 20% 0% 80% Curtilage 04 100% 0% 33% 0% 67% 3 3 1 2 Curtilage 05 5 5 100% 1 4 20% 0% 0% 80% Curtilage 06 100% 0% 33% 0% 67% 3 3 1 2 Footbridge 01 91 0 0% 0% 0% 0% 100% Platform 01 55 58 98% 15 43 25% 0% 0% 75% Platform 02 70 70 100% 11 1 2 56 16% 1% 3% 80% 7% 1618 927 57% 121 25 750 Total 29 2% 2% 89% Commentary Measures Measures Block Beyond Comments Better ALE Station Access Route 01 Access Route 02 2 Access Route 03 Access Route 04 2 Access Route 05 2 Apron 01 1 Apron 02 1 2 Building 01 External only 2 12 Building 02 78 3 Building 03 14 26 External only Building 04 .9 Building 05 Demolished 13 Canopy 01 6 Canopy 02 7 1 Canopy 03 4 3 Canopy 04 4 Canopy 05 4 Car Park 01 3 Car Park 02 1 2 Curtilage 01 1 з Curtilage 02 Curtilage 03 1 Curtilage 04 Curtilage 05 1 Curtilage 06 Footbridge 01 Not surveyed Platform 01 2 4 Platform 02 5 Total 151 68

9 Chatham (Cat C) [Calculated SSM Variation -3%]

10 Derby (Cat C) [Calculated SSM Variation +3%]

Station Date of Visit	DER 27/03/			SCORE	36	5%		Network Surveying	Rail Survey Firm		V2011 Ney
Summary											
Block	Elements	Audited	×	AFL	MAT	LAY	ок	ARL %	MAT %	LAY %	OK 9
All	1	1	100%	0	0	Û	1	0%	0%	C%	1005
Access Route 01	11	30	91%	2	0	1	7	11%	0%	9%	73%
Access Route 02	28	27	96%	13	0	1	13	46%	0%	4%	50%
Access Route 03	3	1	100%	0	0	0	1	0%	0%	0%	100
Access Route 04	17	17	100%	0	0	1	16	0%	0%	8%	545
Access Route 05	4	4	100%	0	0	0	4	0%	0%	0%	100
Access Route 06	25	25	100%	0	.0	25	.0	0%	0%	100%	0%
Access Route 07	2	2	100%	0	0	2	0	0%	0%	100%	0%
Access Route OII	. 7	. 9	100%	0	0	. 9	0	0%	0%	100%	CN
Building 01	74		100%	ů.	0	74	0	0%	0%	100%	0%
Building 02	-47	47	100%	0	0	47	0	0%	0%	100%	- 0%
Building 03	206	206	100%	0	0	206	0	0%	0%	100%	0%
Building 04	-41	-41	100%	0	0	-41	0	0%	0%	100%	0%
Building 05	440	440	100%	0	0	440	0	0%	0%	100%	0%
Building 06	1141	1141	100%	0	0	3341	0	0%	0%	100%	0%
Building 07	48	- 64	92%	8	1	0	15	\$7%	2%	0%	815
Building OI	140	133	95%	12	3	2	116	. 9%	2%	1%	885
Building 09	105	89	85%	10	0	0	79	10%	0%	0%	905
Building 10	205	146	71%	13	1	28	104	6%	0%	54%	805
Building 11	125	100	80%	10	4	1	83	EN.	2%	2%	845
Building 12	129	129	100%	0	0	129	0	0%	0%	100%	0%
Building 13	68	68	100%	0	0	68	0	0%	0%	100%	0%
Building 14	478	478	100%	0	0	478	0	0%	0%	100%	0%
Building 15	70	66	37%	18	2	1	47	28%	3%	1%	709
Building 16	42	39	33%	4	1	4	30	10%	2%	30%	795
Building 17	1613	1163	72%	308	68	23	762	19%	-4%	Zh	759
Canopy 61	6	4	67%	4	0	0	0	67%	0%	0%	335
Canopy 02	16	.15	54%	1	0	0	34	6%	0%	0%	- 945
Canopy 03	14	14	100%	0	0	0	14	0%	0%	0%	100
Canopy 04	17	17	100%	0	0	0	17	0%	0%	0%	100
Canopy 05	12	12	100%	0	0	0	12	0%	0%	0%	100
Canopy 06	18	18	100%	0	0	0	18	0%	0%	0%	100
Canopy 07	15	15	100%	0	0	0	15	0%	0%	0%	100
Footbridge 01	316	304	90%	. 9	0	5	290	2%	0%	2%	917
Platform 01	36	15	97%	. 9	0	0	26	25%	0%	0%	755
Platform 02	61	61	100%	2	0	0	59	2%	0%	0%	975
Platform 03	60	57	95%	3	0	0	54	3%	0%	0%	955
Subway 01	37	30	82%	5	1	7	17	34%	3%	29%	653
Undercroft 01	68	68	100%	0	0	61	0	0%	0%	100%	ow
Total	5750	5154	90%	431	81	2806	1836	7%	1%	49%	423

Derby (continued)

Date of Visit Commentary		27/02/2			SCORE					
Commentary		21/02/2	2012			50	<mark>5%</mark>	Survey	ing Firm	Amey
connentary										
Block		Measures Better	Measures Beyond ALE	Comment	5					
All										
Access Route 01										
Access Route 02		2	4							
Access Route 03		1								
Access Route 04		4								
Access Route 05			1							
Access Route 06				Not on Dra	wing					
Access Route 07				Not on Dra						
Access Route 08				Not on Dra						
Building 01				Not on Dra						
Building 02				Not on Dra						
Building 03				Not on Dra						
Building 04				Not on Dra						
Building 05				Not on Dra						
Building 06				Not on Dra						
Building 07		10	1							
Building 08		27	9							
Building 09		16	3							
Building 10		30	5							
Building 11		27	1							
Building 12				Not on Dra	wing					
					-					
					-					
-		6	4							
	_		2							
		/	2							
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11 Three Bridges (Cat C) [Calculated SSM Variation -8%]

12 Bognor Regis (Cat D) [Calculated SSM Variation +2%]

Station	BOGNOR	and the second	1.1	SCORE	7/	1%		And a local design of the	Rail Survey	1	_
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Access Route 01	23	23	100%	8	0	0	15	35%	0%	0%	T
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Access Route 03	17	17	100%	1	1	1	14	6%	6%	6%	
Access Route 04	10	10	100%	2	1	2	5	20%	10%	20%	
Access Route 05	6	5	83%	1	2	0	2	17%	33%	0%	
Access Route 06	8	5	63%	0	0	0	5	0%	0%	0%	
Access Route 07	5	0	0%				0	0%	0%	0%	15
Apron 01	3	3	100%	1	1	0	1	33%	33%	0%	
Building 01	669	222	33%	55	10	2	155	8%	1%	0%	
Building 02	404	251	62%	42	5	3	201	10%	1%	1%	L
Building 03	41	26	63%	5	1	0	20	12%	2%	-0%	L
Building 04	18	14	78%	1	1	0	12	6%	6%	0%	L
Building 05	29	20	69%	4	2	1	13	14%	7%	3%	-
Canopy 01	22	22	100%	5	0	0	17	23%	0%	0%	-
Canopy 02	29	27	93%		0	0	18	31%	0%	0%	-
Canopy 63 Canopy 65	13	13	100%	6	0	0	12	22%	0% 6%	0%	-
Canopy 05 Canopy 06	18	18	100%	0	1	0	11 16	33%	6%	0%	F
Car Park 01	19	18	100%	2	1	0	16	11%	5%	0%	F
Concourse 01	6	6	100%	1	0	0	5	17%	0%	0%	1
Non-Pass Plat 01	18	18	100%	0	0	1	17	0%	0%	6%	t
Platform 01	49	49	100%	18	2	2	27	37%	4%	4%	t
Platform 02	37	37	100%	11	1	1	24	30%	3%	3%	t
Retail Unit 01	1	1	100%	0	0	0	1	0%	0%	0%	t
								and the second second second	-	0%	H
Retail Unit 02	1	1	100%	0	0	0	1 1	0%	0%	0.76	
and the second design of the s	1 44	40	100%				30	and the second s	-		t
Retail Unit 02 Train shed 01 Total Commentary	1 44 1523	1 40 880	100% 91% 58%	0 10 186	0 30	0 0 13	30 651	23% 12%	0% 0% 2%	0%	
Train shed 01 Total Commentary	44	40 880 Measures	91% 58%	10	0	0	30	23%	0%	0%	
frain shed 01 Total	44 1523	40 880 Measures Beyond	91%	10	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary	44 1523 Measures	40 880 Measures	91% 58%	10	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block	44 1523 Measures	40 880 Measures Beyond	91% 58%	10	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All	44 1523 Measures Better	40 880 Measures Beyond ALE	91% 58%	10	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01	44 1523 Measures Better 5	40 880 Measures Beyond ALE	91% 58%	10	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04	44 1523 Measures Better 5 4	40 880 Measures Beyond ALE 2 2	91% 58%	10	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05	44 1523 Measures Better 5 4 20	40 880 Measures Beyond ALE 2	91% 58%	10	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 05 Access Route 06	44 1523 Measures Better 5 4 20	40 880 Measures Beyond ALE 2 2	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 05 Access Route 05 Access Route 05 Access Route 05 Access Route 07	44 1523 Measures Better 5 4 10 1	40 880 Measures Beyond ALE 2 2	91% 58%	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 07 Access Route 07 Apron 01	44 1523 Measures Better 5 4 10 1	40 880 Measuries Beyond ALE 2 2 1	91% 58% Comment	10 186	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 07 Access Rout	44 1523 Measures Better 5 4 10 1 1 1 33	40 880 Measures Beyond ALE 2 2 1 2 1 42	91% 58% Comment	10 186	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 07 Building 01 Building 01 Building 02	44 1523 Measures Better 5 4 10 1 1 33 42	40 880 Measures Beyond ALE 2 2 2 1 2 2 1 42 35	91% 58% Comment	10 186	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Access Route 06 Access Route 07 Apron 01 Building 01 Building 03	44 1523 Measures Better 5 4 10 1 1 1 33 42 8	40 880 Measures Beyond ALE 2 2 1 2 1 4 2 1 5 4	91% 58% Comment	10 186	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 05 Access Route 05 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 03 Building 03 Building 04	44 1523 Measures Better 5 4 10 1 1 1 33 42 8 1	40 880 Measures Beyond ALE 2 2 1 1 2 2 1 3 5 4 4 1	91% 58% Comment	10 186	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 03 Building 04 Building 05	44 1523 Measures Better 5 4 10 1 1 1 33 42 8 1 4 4	40 880 Measures Beyond ALE 2 2 2 1 1 2 2 1 3 5 4 4 1 1	91% 58% Comment	10 186	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 01 Building 04 Building 05 Canopy 01	44 1523 Measures Better 5 4 10 1 1 1 1 33 42 8 1 4 9	40 880 Measuries Beyond ALE 2 2 1 2 2 1 3 4 4 2 1 5 4 1 1 1 5	91% 58% Comment	10 186	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 01 Building 03 Building 04 Building 05 Canopy 01 Canopy 02	44 1523 Measures Better 5 4 10 1 1 1 1 33 42 8 1 4 9 2	40 880 Measures Beyond ALE 2 2 1 2 2 1 4 2 1 35 4 1 1 5 5 6	91% 58% Comment	10 186	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Rlock All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 01 Building 01 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 03	44 1523 Measures Better 5 4 10 1 1 1 33 42 8 1 4 9	40 880 Measuries Beyond ALE 2 2 1 2 2 1 3 4 4 2 1 5 4 1 1 1 5	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Access Route 06 Access Route 07 Apron 01 Building 01 Building 02 Building 03 Building 03 Building 04 Building 05 Canopy 01 Canopy 03 Canopy 04	44 1523 Measures Better 5 4 10 1 1 1 1 33 42 8 1 4 9 2	40 880 Measures Beyond ALE 2 2 1 2 2 1 4 2 1 35 4 1 1 5 5 6	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Access Route 06 Access Route 07 Apron 01 Building 01 Building 01 Building 03 Building 03 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Canopy 05	44 1523 Measures Better 5 4 20 1 1 1 33 42 8 1 4 9 2 6	40 880 Measures Beyond ALE 2 2 1 3 3 4 4 1 1 3 5 6 6 1	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Access Route 06 Access Route 07 Apron 01 Building 01 Building 02 Building 03 Building 03 Building 04 Building 05 Canopy 01 Canopy 03 Canopy 04	44 1523 Measures Better 5 4 10 1 1 1 33 42 8 1 4 4 9 2 6 1	40 880 Measures Beyond ALE 2 2 1 3 3 4 4 1 1 3 5 6 6 1	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 01 Building 03 Building 04 Building 03 Canopy 01 Canopy 04 Canopy 04 Canopy 04 Canopy 05 Canopy 06	44 1523 Measures Better 5 4 10 1 1 1 33 42 8 1 4 9 2 6 1 3 4 9 2 6 1 3	40 880 Measures Beyond ALE 2 2 1 2 2 1 3 5 4 4 1 1 5 6 6 1 1 2 2	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 05 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 01 Building 04 Building 04 Building 05 Canopy 01 Canopy 04 Canopy 04 Canopy 05 Canopy 06 Car Park 01	44 1523 Measures Better 5 4 10 1 1 1 1 33 42 8 1 4 9 2 6 1 3 3 3	40 880 Measuries Beyond ALE 2 2 1 2 2 1 3 5 4 4 2 1 5 4 4 1 1 1 5 6 6 1 1 2 2 1 1	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Total Commentary Rlock All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Access Route 05 Building 01 Building 01 Building 01 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 02 Canopy 04 Canopy 05 Canopy 05 Canopy 06 Car Park 01 Concourse 01	44 1523 Measures Better 5 4 10 1 1 1 33 42 8 1 4 9 2 6 1 3 3 3 3	40 880 Measuries Beyond ALE 2 2 1 2 2 1 3 5 4 4 2 1 5 4 4 1 1 1 5 6 6 1 1 2 2 1 1	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Access Route 05 Building 01 Building 01 Building 03 Building 04 Building 05 Canopy 01 Canopy 01 Canopy 03 Canopy 04 Canopy 05 Canopy 06 Car Park 01 Non-Pars Plat 01	44 1523 Measures Better 5 4 20 1 1 1 33 42 8 1 4 9 2 6 1 3 3 3 3 5	40 880 Measures Beyond ALE 2 2 1 35 4 1 1 1 35 6 1 1 2 2 1 1 1 1	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 05 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 01 Building 03 Building 03 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 03 Canopy 04 Canopy 05	44 1523 Measures Better 5 4 10 1 1 33 42 8 1 4 9 2 6 1 3 3 3 3 5 1	40 880 Measures Beyond ALE 2 2 1 2 2 1 35 4 1 1 5 6 6 1 1 1 2 2 1 1 1 1 1 1	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 01 Building 03 Building 04 Building 03 Canopy 01 Canopy 02 Canopy 04 Canopy 05 Canopy 04 Canopy 05 Canopy 06 Car Park 01 Platform 01 Platform 02	44 1523 Measures Better 5 4 10 1 1 33 42 8 1 4 9 2 6 1 3 3 3 3 5 1	40 880 Measures Beyond ALE 2 2 1 2 2 1 35 4 1 1 5 6 6 1 1 1 2 2 1 1 1 1 1 1	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	
Train shed 01 Total Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Access Route 05 Access Route 07 Apron 01 Building 01 Building 02 Building 04 Building 03 Building 04 Building 05 Canopy 01 Canopy 02 Canopy 04 Canopy 04 Canopy 04 Canopy 05 Canopy 05 Canopy 06 Car Park 01 Platform 02 Retail Unit 01	44 1523 Measures Better 5 4 10 1 1 33 42 8 1 4 9 2 6 1 3 3 3 3 5 1	40 880 Measures Beyond ALE 2 2 1 2 2 1 35 4 1 1 5 6 6 1 1 1 2 2 1 1 1 1 1 1	91% 58% Comment	10 186 3	0	0	30	23%	0%	0%	

13 Hexham (Cat D) [Calculated SSM Variation -8%]

Station	HEXH	M	Sec. 1	SCORE	7-	00/		Network	Rail Survey		
Date of Visit	13/03/2	2012	ar	SCORE	73	570		Surveying	; Firm		-
Summary	5.5										-
Block	Elements	Audited	ĸ	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
Station	2	2	300%	0	0	0	2	0%	0%	0%	300
Access Route 01	12	12	100%	4	0	2	6	33%	0%	17%	50
Access Route 02	5	5	100%	1	0	0	2	60%	0%	0%	-40
Access Route 03	4	4	100%	3	0	0	1	75%	0%	0%	25
Building 01	29	29	100%	3	0	0	26	10%	0%	0%	90
Canopy 01	19	19	100%	1	0	1	15	16%	0%	5%	79
Canopy 02	21	21	100%	3	0	1	17	14%	0%	5%	81
Canopy 03	30	10	300%	2	0	1	7	20%	0%	10%	70
Footbridge 01	24	24	100%	10	2	0	12	42%	8%	0%	50
Platform 01	22	22	100%	3	1	0	18	14%	5%	0%	82
Platform 02	31	30	97%	3	2	1	24	10%	6%	3%	#1
Waiting Shelter 01	1	1	100%	0	1	0	0	0%	300%	0%	01
Total	180	179	99%	37	6	6	130	21%	3%	3%	73
Commentary	23	5	-				-				-
Block	Measures	Measures Beyond	Comment	\$					_		
10.00	Better	ALE									
Station	0										
		ALE									
Station	0	ALE									
Station Access Route 01	0	ALE 0 4									
Station Access Route 01 Access Route 02	0	ALE 0 4 3	Roof only								
Station Access Route 01 Access Route 02 Access Route 03	0 1 0 0 0 0	ALE 0 4 3	Roof only								
Station Access Route 01 Access Route 02 Access Route 03 Building 01	0 1 0 0 14	ALE 0 4 3 0	Roof only								
Station Access Route 01 Access Route 02 Access Route 03 Building 01 Canopy 01	0 1 0 14 0	ALE 0 4 3 0 1	Roof only								
Station Access Route 01 Access Route 02 Access Route 03 Building 01 Cancey 01 Cancey 02	0 1 0 14 0 14	ALE 0 4 3 0 1 1	Roof only								
Station Access Route 01 Access Route 02 Access Route 03 Building 01 Cancepy 01 Cancepy 02 Cancepy 03	0 1 0 14 0 1 1	ALE 0 4 3 0 1 1 0	Roof only								
Station Access Route 01 Access Route 02 Access Route 03 Building 01 Canopy 01 Canopy 02 Canopy 02 Footbridge 01	0 1 0 14 0 1 1 0	ALE 0 4 3 0 1 1 0 2	Roof only								
Station Access Route 01 Access Route 02 Access Route 03 Building 01 Canopy 01 Canopy 02 Canopy 03 Footbridge 01 Platform 01	0 1 0 14 0 14 1 1 0 3	ALE 0 4 3 0 1 1 0 2 3	Roof only								

Station LISKEARD Network Rail Survey 91% SCORE Date of Visit 14/03/2012 Surveying Firm GH Summary Block Elements Audited 16 ARL MAT LAY OK ARL % MAT% LAYN OK % Access Route 01 6 6 100% 2 4 33% 0% 0% 67% Access Route 02 100% з 0% 0% 0% 100% 3 3 Access Route 03 22 22 100% 1 21 0% 5% 0% 95% Access Route 04 14 14 100% 2 12 14% 0% 0% 85% Access Route 05 7 7 100% 2 0% 0% 0% 100% Access Route 06 10 10 100% 10 0% 0% 0% 100% Building 01 257 152 59% 5 139 2% 1% 2% 95% 3 Building 02 131 71 54% 3 66 2% 2% 0% 96% 2 Building 03 40 36 40% 2 14 0% 5% 0% 95% Building 04 38 36 95% 1 34 0% 3% 3% 95% Canopy 01 34 10 71% 0% 7% 0% 93% 1 9 Canopy 02 12 9 75% 9 0% 0% 0% 100% Car Park 01 \$ 8 100% 2 6 25% 0% 0% 75% Car Park 02 9 8 89% 3 33% 0% 0% 67% 5 Car Park 03 6 6 100% 6 0% 0% 0% 100% Curtilage 01 0 0% Ó 0% 0% 0% 100% Curtilage 02 0 0% 0 0% 0% 0% 100% Curtilage 03 ů 0% Ő. 0% 0% 0% 100% Curtilage 04 Ô 0% 0 0% 0% 0% 100% Curtilage 05 0 0% ø 0% 0% 0% 100% 1 Curtilage 06 1 ō 0% 0 0% 0% 0% 100% Curtilage 07 Ô 0% 0 0% 0% 0% 100% 1 Footbridge 01 7 7 100% 7 0% 0% 0% 100% Platform 01 37 33 89% 31 5% 0% 0% 95% 2 Platform 02 39 39 100% 1 1 37 2% 3% 0% 95% Platform 03 30 29 97% 28 3% 0% 0% 97% 1 Waiting Shelter 01 5 83% 4 17% 0% 0% 83% 6 Waiting Shelter 02 5 83% 17% 17% 0% 67% đ 1 1 3 Waiting Shelter 03 6 5 83% 1 3 17% 17% 0% 67% 715 501 70% 458 3% 2% 94% Total 24 13 6 1% Commentary Measures Measures Block Beyond Comments Better ALE Access Route 01 2 Access Route 02 Access Route 03 14 Access Route 04 9 Access Route 05 2 Access Route 06 4 Building 01 69 3 no access to non-public areas Building 02 14 no access to non-public areas 1 Building 03 8 1 **Building 04** 30 1 Canopy 01 4 Canopy 02 5 Car Park 01 4 Car Park 02 4 Car Park 03 1 Curtilage 01 Curtilage 02 Curtilage 03 Curtilage 04 Curtilage 05 Curtilage 06 Curtilage 07 Footbridge 01 2 Platform 01 6 Platform 02 10 Platform 03 . Waiting Shelter 01 Waiting Shelter 02 Waiting Shelter 03 Total 177 б

14 Liskeard (Cat D) [Calculated SSM Variation +9%]

15 Mount Florida (Cat D) [Calculated SS	M Variation -11%]
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Station	MOUNT F	LORIDA		SCORE	72	0/		Network	Rall Survey	30/09	/2011
Date of Visit	02/03/	2012	GM	SCORE	/3	3%		Surveying	Firm	Ал	ну
Summary	30	-		-		_		-			-
Block	Dements	Audited	*	ARL	MAT	LAY	ок	ARL%	MAT %	LAY%	ок
All	2	2	100%				2	0%	0%	0%	100
Access Route 01	54	14	100%	11	1000		3	29%	0%	0%	21
Access Route 02	13	13	100%	5				38%	0%	0%	62
Access Route 03	23	23	300%	- 8	-		15	35%	0%	0%	.65
Access Route 04	8	8	100%	1	1		7	13%	0%	0%	.88
Access Route 05	17	17	100%	7			20	41%	0%	0%	35
Building 01	127	127	100%	26	-		101	20%	0%	0%	80
Building 02	41	41	100%	6	1		35	15%	0%	0%	85
Canopy 01	7	7	100%	2			5	29%	0%	0%	73
Canopy 02	7	7	100%				7	0%	0%	0%	10
Footbridge 01	49	49	100%	5			44	10%	0%	0%	*
Footbridge 02	52	52	100%	20	10000		32	38%	0%	0%	60
Lift 01	27	27	300%		1		18	33%	0%	0%	67
Platform 01	6-6	64	100%	20			-44	31%	0%	0%	67
Total	451	451	100%	120	0	0	331	27%	0%	0%	73
Commentary											
Block	Measures	Measures Beyond	Comment	5							
	occies	ALE									
AB		ALE									_
All Access Route 01		ALE 4									_
these has not an even of the second se											_
Access Route 01											
Access Route 01 Access Route 02		4									
Access Route 01 Access Route 02 Access Route 03		4									
Access Route 01 Access Route 02 Access Route 03 Access Route 04		4									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05		4									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01		4 2 1 16									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 02 Building 02		4 2 1 16									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01 Building 02 Canopy 01		4 2 1 16									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 02 Building 02 Canopy 01 Canopy 02		4 2 1 16 4									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 02 Building 02 Canopy 01 Canopy 02 Footbridge 01		4 2 1 16 4 3									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 02 Building 02 Canopy 01 Canopy 02 Footbridge 01 Footbridge 02	1	4 2 1 16 4 3 6									

16 Todmorden (Cat D) [Calculated SSM Variation +7%]

Station	TODMO	and the second se	10	SCORE	07	7%	-		tall Survey		07/11
Date of Visit	05/03/	2012	3D		07	70		Surveying	Firm	An	vey
Summary	_			_	-			-			_
Block	Elements	Audited	*	ARL	MAT	LAY	OK	ARL %	MAT %	LAY%	OK
Access Route 01	7	7	100%		1		6	0%	14%	0%	863
Access Route 02	6	6	100%		1	1	5	0%	17%	0%	825
Building 01		4	50%				- 4	0%	0%	0%	100
Car Park 01	8		100%		1		7	0%	13%	0%	- \$85
Platform 01	28	28	100%	3		1	24	11%	0%	4%	863
Platform 02	33	33	100%	4			29	12%	0%	0%	883
Total	90	86	96%	7	3	1	75	8%	3%	1%	88
				_							
Commentary	_				_			-			
Block	Measures Better	Measures Beyond ALE	Comment	3							
Access Route 01	1										
Access Route 02											
Building 01	2										
Car Park 01	4	-									
Platform 01	2										
Platform 02	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1					_	1.2			

17 Wrexham General (Cat D) [Calculated SSM Variation +5%]

Station Date of Visit	Wrexham 01/03/		GH	SCORE	90	0%		Network Surveying	a second de la constante de la	and the second se	4/201 ney
forman care		Frank alat									
Summary Block	Elements	Audited		ARL	MAT	LAY	ОК	ARLN	MATS	LAYS	0
Ali	2	0	0%				0	0%	0%	0%	10
Access Route 01	63	59	34%	1		-	58	2%	0%	0%	9
Access Route 02	15	14	93%	2			12	13%	0%	0%	8
Access Route 03	10	3	90%	2			7	20%	0%	0%	
Access Route 04	. 9	- 1	89%				- 8	0%	0%	0%	- 10
Building 01	203	181	89%	21	- 4	1	155	10%	2%	0%	. 6
Building 02	388	229	59%	4	1	2	222	1%	0%	1%	9
Building 03	62	57	92%	4	1	1.1	52	6%	-2%	0%	95
Canopy 01	24	23	96%	2	100		21	8%	0%	0%	95
Canopy 02	21	21	100%	1			20	5%	0%	0%	9
Canopy 03	23	19	83%	2	1	-	16	9%	4%	0%	8
Car Park 01	. 9		100%	-	-		9	0%	0%	0%	10
Car Park 02	6	6	100%	-			6	0%	0%	0%	10
Car Park 03	6	6	100%	-	-		6	0%	0%	0%	10
Car Park 04	3	3	100%				3	0%	0%	0%	10
Car Park 05	16	14	88%	1	1		12	6%	6%	0%	
Curtilage/openland 01	4	4	100%	1	1		2	25%	25%	0%	5
Curtilage/openland 02	5	3	60%	2	-		1	40%	0%	0%	66
Curtilage/openland 03	7	7	100% 51%	-	1	1	7	0%	0% 9%	0% 9%	10
Curtilage/openland 04				-	1	1			9%	0%	-
Curtilage/openland 05	4	4	100%	-	-	-	1 4	0%	0%	0%	10
Curtilage/openland 06 Curtilage/openland 07	4	1	75%	-			4	0%	0%	0%	10
Curtilage/openland 08	1	1	100%	-	-	-	1	0%	0%	0%	10
Curtilage/openland 09	2	2	100%	-	-	-	2	0%	0%	0%	10
Footbridge 01	93	91	SEN	21	6	4	60	23%	6%	4%	6
Lift/escalator 01	15	28	BON	1		-	27	3%	0%	0%	5
Lift/escalator 02	M	26	76%		1	-	25	0%	3%	0%	90
Platform 01	75	64	85%	5		1	38	7%	0%	1%	90
Platform 02	63	56	89%	1	3	-	32	2%	5%	0%	9
Platform 03	30	24	80%	-	1	1	22	0%	3%	3%	90
Waiting Shelter 01	2	2	100%	1		-	1	50%	0%	0%	50
Total	1231	984	80%	72	21	10	881	6%	2%	1%	9
Commentary	1651			12		10	100	0%		470	
den service de la companya de la com	Measures	Measures	Commen			10	001	0%		1/0	
Commentary Block		Measures	-			10	001	0%		1/0	
Commentary Block	Measures Better	Measures Beyond ALE	-			10	001	0%		10	
Commentary Block All Access Route 01	Measures Better 4	Measures Beyond ALE	-			10	001	076		470	
Commentary Block All Access Route 01 Access Route 02	Measures Better 4 3	Measures Beyond ALE	-			10	001	076		***	
Commentary Block All Access Route 01 Access Route 02 Access Route 03	Measures Better 4	Measures Beyond ALE	Comment	ts		10	001	0%		470	
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04	Measures Better 4 3 2	Measures Beyond ALE 1	Comment	ts m on draw	ing		001	076			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01	Measures Better 4 3 2 29	Measures Beyond ALE 1 1	Comment	ts	ing		100	0%			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Building 02	Measures Better 4 3 2	Measures Beyond ALE 1 1 1	Comment	ts m on draw	ing		001	076			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Building 02 Building 03 Comme 05	Measures Better 4 3 2 2 39 52	Measures Beyond ALE 1 1	Comment	ts m on draw	ing		001	0/4			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Building 02	Measures Better 4 3 2 2 39 52	Measures Beyond ALE 1 1 1	Comment	ts m on draw	ing		001	0%			
Commentary Block All Access Route 01 Access Route 03 Access Route 04 Building 01 Building 02 Building 03 Canopy 01	Measures Better 4 3 2 2 39 52 8	Measures Beyond ALE 1 1 1	Comment	ts m on draw	ing			0%			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Building 02 Building 03 Canopy 01 Canopy 02 Canopy 02 Canopy 03	Measures Better 4 3 2 39 52 8 1	Measures Beyond ALE 1 1 1	Comment	ts m on draw	ing		001	0%			
Commentary Block All Access Route 01 Access Route 03 Access Route 04 Building 01 Building 02 Building 03 Canopy 01 Canopy 02	Measures Better 4 3 2 2 39 52 8 1 1 1	Measures Beyond ALE 1 1 1	Comment	n on draw	ing			0%			
Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Building 01 Duilding 01 Canopy 01 Canopy 01 Canopy 02 Car Park 01 Car Park 02 Car Park 02 Car Park 03	Measures Better 4 3 2 39 52 8 1 1 1 2	Measures Beyond ALE 1 1 1	Comment Not show tocket off	n on draw ice being re awing	ing			0%			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 04 Building 01 Building 01 Canopy 01 Canopy 01 Canopy 03 Car Park 01 Car Park 03 Car Park 03 Car Park 03 Car Park 04	Measures Better 4 3 2 39 52 8 1 1 2 3	Measures Beyond ALE 1 1 2	Comment Not show ticket off	n on draw ice being re awing	ing			0%			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 03 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Car Park 02 Car Park 04	Measures Better 4 3 2 39 52 8 1 1 2 3	Measures Beyond ALE 1 1 1	Comment Not show ticket off	n on draw ice being re awing	ing			0%			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Building 03 Building 03 Canopy 01 Canopy 03 Car Park 01 Car Park 02 Car Park 03 Car Park 03 Car Park 05 Curtilage/openland 01	Measures Better 4 3 2 39 52 8 1 1 2 3	Measures Beyond ALE 1 1 2	Comment Not show ticket off	n on draw ice being re awing	ing			0%			
Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Building 03 Building 03 Canopy 03 Canopy 03 Canopy 03 Car Park 01 Car Park 02 Car Park 05 Curtilage/openland 01 Curtilage/openland 02	Measures Better 4 3 2 39 52 8 1 1 2 3	Measures Beyond ALE 1 1 2	Comment Not show ticket off	n on draw ice being re awing	ing			0%			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Building 01 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Car Park 01 Car Park 05 Curtilage/openland 01 Curtilage/openland 02 Curtilage/openland 02	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3	Measures Beyond ALE 1 1 1 2 2	Comment Not show ticket off	n on draw ice being re awing	ing			0%			
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 04 Building 01 Duilding 01 Canopy 01 Canopy 03 Canopy 03 Canopy 03 Car Park 01 Car Park 03 Car Park 03 Car Park 04 Car Park 05 Curtilage/openland 01 Curtilage/openland 02 Curtilage/openland 04	Measures Better 4 3 2 39 52 8 1 1 2 3	Measures Beyond ALE 1 1 2	Comment Net show ticket off	ts m on draw ice being re awing awing	ing						
Commentary Block All Access Route 01 Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 02 Building 03 Canopy 01 Canopy 03 Car Park 01 Car Park 02 Car Park 04 Car Park 04 Car Park 05 Curtilage/openland 02 Curtilage/openland 02 Curtilage/openland 03 Curtilage/openl	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3	Measures Beyond ALE 1 1 1 2 2	Comment Not show toket off	ts m on draw ice being re awing awing awing	ing						
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Building 03 Building 03 Canopy 01 Canopy 03 Canopy 03 Car Park 03 Car Park 02 Car Park 05 Curtilage/openland 02 Curtilage/openland 04 Curtilage/openland 05 Curtilage/openlan	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3	Measures Beyond ALE 1 1 1 2 2	Comment Not show tocket off not on dr. not on dr. not on dr.	ts in on draw ice being m awing awing awing awing	ing						
Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 03 Access Route 03 Building 03 Building 03 Canopy 03 Canopy 03 Canopy 03 Car Park 03 Car Park 04 Car Park 05 Curtilage/openland 01 Curtilage/openland 02 Curtilage/openland 03 Curtilage/openland 07 Curtila	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3	Measures Beyond ALE 1 1 1 2 2	Comment Not show tocket off not on dr. not on dr. not on dr. not on dr.	ts in on draw ice being m awing awing awing awing awing awing	ing						
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 03 Access Route 04 Building 01 Building 02 Building 02 Building 03 Canopy 03 Canopy 03 Car Park 03 Car Park 05 Car Park 05 Car Park 05 Car Itage/openland 02 Curtilage/openland 05 Curtilage	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3	Measures Beyond ALE 1 1 1 2 2	Not show ticket off not on dr. not on dr. not on dr. not on dr. not on dr.	n on draw ice being m awing awing awing awing awing awing awing	ing						
Commentary Block All Access Route 01 Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Building 01 Canopy 01 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Car Park 03 Car Park 03 Car Park 03 Car Park 04 Car Park 04 Car Park 05 Curtilage/openland 05 Curtilage/openl	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3 	Measures Beyond ALE 1 1 1 2 2	Comment Net show tocket off not on dr. not on dr. not on dr. not on dr. not on dr.	ts m on draw ice being n awing awing awing awing awing awing awing awing	ing	8					
Commentary Block All Access Route 01 Access Route 01 Access Route 03 Access Route 03 Access Route 04 Building 03 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Car Park 03 Car Park 04 Car Park 04 Car Park 04 Car Park 05 Curtilage/openland 01 Curtilage/openland 05 Curti	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3 3 	Measures Beyond ALE 1 1 1 2 2	Comment Net show tocket off not on dr. not on dr. not on dr. not on dr. not on dr.	n on draw ice being m awing awing awing awing awing awing awing	ing	8					
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 03 Building 03 Canopy 01 Canopy 01 Canopy 03 Car Park 02 Car Park 02 Car Park 03 Car Park 03 Car Park 05 Curtilage/openland 02 Curtilage/openland 05 Curtilage/o	Measures Better 4 3 2 39 52 8 1 1 1 1 2 3 3 3 3 3 5 2 8 1 1 1 1 2 3 3 5 2 8 1 1 1 1 2 3 5 2 8 1 1 1 1 2 5 2 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Measures Beyond ALE 1 1 1 2 2	Comment Net show tocket off not on dr. not on dr. not on dr. not on dr. not on dr.	ts m on draw ice being n awing awing awing awing awing awing awing awing	ing	8					
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Building 01 Building 01 Canopy 01 Canopy 02 Canopy 03 Car Park 04 Car Park 05 Curtilage/openland 01 Curtilage/openland 02 Curtilage/openland 05 C	Measures Better 4 3 2 39 52 8 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Measures Beyond ALE 1 1 2 2	Comment Net show tocket off not on dr. not on dr. not on dr. not on dr. not on dr.	ts m on draw ice being n awing awing awing awing awing awing awing awing	ing	8					
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 03 Access Route 04 Building 01 Building 02 Building 01 Canopy 03 Canopy 03 Car Park 01 Car Park 03 Car Park 05 Car Park 05 Car Park 05 Car Park 05 Curtilage/openland 01 Curtilage/openland 05 Curtilage/openland	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3 3 3 3 5 2 8 1 0 9 9 8 10 9	Measures Beyond ALE 1 1 1 2 2 3 1 3	Comment Net show tocket off not on dr. not on dr. not on dr. not on dr. not on dr.	ts m on draw ice being n awing awing awing awing awing awing awing awing	ing	8					
Commentary Block All Access Route 01 Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 02 Building 03 Canopy 01 Canopy 01 Car Park 01 Car Park 01 Car Park 02 Car Park 03 Car Park 04 Car Park 05 Curtilage/openland 01 Curtilage/openland 02 Curtilage/openland 05 Curtilage/openland 05 Curtilage/openland 05 Curtilage/openland 05 Curtilage/openland 05 Footbridge 01 Lift/escalator 02 Platform 02 Platform 02	Measures Better 4 39 52 8 1 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Measures Beyond ALE 1 1 2 2	Comment Net show tocket off not on dr. not on dr. not on dr. not on dr. not on dr.	ts m on draw ice being n awing awing awing awing awing awing awing awing	ing	8					
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 03 Access Route 03 Access Route 04 Building 01 Building 02 Building 01 Canopy 03 Canopy 03 Car Park 01 Car Park 03 Car Park 05 Car Park 05 Car Park 05 Car Park 05 Curtilage/openland 01 Curtilage/openland 05 Curtilage/openland	Measures Better 4 3 2 39 52 8 1 1 1 2 3 3 3 3 3 3 5 2 8 1 0 9 9 8 10 9	Measures Beyond ALE 1 1 1 2 2 3 1 3	Comment Net show tocket off not on dr. not on dr. not on dr. not on dr. not on dr.	ts m on draw ice being n awing awing awing awing awing awing awing awing	ing	8					

18 Ashwell and Morden (Cat E) [Calculated SSM Variation +16%]

Station	ASHWELL &	MORDEN		SCORE	01	0/		Network	Rail Survey	25/03	/2011
Date of Visit	20/03/	2012	DL	SCORE	9.	۱%		Surveying	tirm	An	меу
Summary	3		-		-				-		-
Block	Elements	Audited	- 96	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
All	1	1	100%	-			1	0%	0%	0%	100
Access Route 01	18	18	100%	1			17	6%	0%	0%	943
Building 01	76	34	45%	3			- 31	4%	0%	0%	961
Building 02	1	0	0%				0	0%	0%	0%	100
Car Park 01	7	7	100%	1			6	14%	0%	0%	867
Curtilege 01	5	5	100%				5	0%	0%	0%	100
Footbridge 01	25	24	.96%	- 4		-	20	16%	0%	0%	845
Platform 01	23	23	100%	2			21	9%	0%	0%	.915
Platform 02	30	29	97%	1			28	1%	0%	0%	975
Waiting Shelter 01	17	16	.94%	1		1	- 14	6%	0%	6%	885
Waiting Shelter 02	7	7	100%	2			7	0%	0%	0%	100
Total	210	164	78%	13	0	1	150	6%	0%	0%	93
Commentary	1	-		-					_	-	
Block	Measures Better	Measures Beyond ALE	Comment	ls.							
AB			-								_
Access Route 01	4										
	-										
Building 01	6										
Building 01 Building 02	6										
	6										
Building 02	6										
Building 02 Car Park 01	6	2									
Building 02 Car Park 01 Curtilege 01	7	2									
Building 02 Car Park 01 Curtilege 01 Footbridge 01		2									
Building 02 Car Park 01 Curtilege 01 Footbridge 01 Platform 01	7	2									
Building 02 Car Park 01 Curtilege 01 Footbridge 01 Platform 01 Platform 02	7										

19 Bridgewater (Cat E) [Calculated SSM Variation +13%]

Station	BRIDGEV	VATER	1. A.	SCORE	00	0/		Network	Rail Survey		
Date of Visit	15/03/	2012	GH	SCORE	03	9%		Surveying	; Firm	_	-
Summary											
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL%	MAT%	LAYN	ОК
All	1	1	100%				1	0%	0%	0%	300
Access Route 01	6	6	100%				6	0%	0%	0%	100
Access Route 02	8		100%			1	7	0%	0%	13%	887
Building 01	2	1	50%	C 10	1		0	0%	50%	0%	50
Building 02	2	2	100%	1.1.1.1	1		1	0%	50%	0%	505
Canopy 01	18	17	94%	1	1		16	0%	6%	0%	94
Canopy 02	19	18	95%	1	1		17	0%	5%	0%	95
Car Park 01	7	7	100%		1.000		7	0%	0%	0%	100
Footbridge 01	36	34	94N	3		1	30	8%	0%	3%	89
Platform 01	35	32	91%	2		3	27	6%	0%	9%	86
Platform 02	35	32	91%	1		2	29	3%	0%	6%	91
Total	169	158	93%	6	4	7	141	4%	2%	4%	90
Commentary	10			-							
commentary		1				-	-	-	-		
Block	Measures Better	Measures Beyond ALE	Comment	s							
Block	Better	Beyond		s							
100.00		Beyond		s							
All	Better 1	Beyond		5							
All Access Route 01	Better 1 2	Beyond		s							
All Access Route 01 Access Route 02	Better 1 2	Beyond		5							
All Access Route 01 Access Route 02 Building 01	Better 1 2	Beyond		5							
All Access Route 01 Access Route 02 Building 01 Building 02	8etter 1 2 5	Beyond		5							
All Access Route 01 Access Route 02 Building 01 Building 02 Canopy 01	Better 1 2 5 1 1 2 1 2 1 1 2 1 2 1 2 1 2 1 2 1	Beyond		s							
All Access Route 01 Access Route 02 Building 01 Building 02 Canopy 01 Canopy 02	Better 1 2 5 12 10	Beyond		s 							
All Access Route 01 Access Route 02 Building 01 Building 02 Canopy 01 Canopy 02 Car Park 01	Better 1 2 5 	Beyond		s							
All Access Route 01 Access Route 02 Building 01 Building 02 Canopy 01 Canopy 02 Car Park 01 Footbridge 01	Better 1 2 5 	Beyond		5							

20 Brunswick (Cat E) [Calculated SSM Variation -12%]

Station	BRUNSV	VICK		SCORE	60	0/		Network	Rall Survey	02/02/11	22/06/0
Date of Visit	02/03/2	1012	GH	SLORE	50	3%		Surveying	Firm	An	vey
Summary		_	_		-	-		-			_
Block	Elements	Audited	*	AJIL	MAT	LAY	OK	ARL %	MAT %	LAY%	065
Access Route 01	22	21	55%	7	-	-	14	32%	0%	0%	68%
Access Route 02	25	25	100%	-	1	-	16	32%	4%	0%	64%
Access Route 03	2	2	100%				2	0%	0%	0%	1009
Building 01	5	- 4	80%	1			1	60%	C%	0%	40N
Car Park 01	13	12	92%	4		1	8	31%	0%	0%	69%
Footbridge 01	91	91	100%	32		1	58	35%	0%	1%	64%
Platform 01	35	33	54%	5		1.000	28	14%	0%	0%	365
Platform 02	27	- 25	93%	7	2	20	18	26%	0%	0%	74%
Total	220	213	97%	66	1	1	145	30%	0%	0%	699
Commentary	Measures	Measures									_
Block	Better	Beyond	Comment	8							
a constant of the data	1										
Access Route 01		5									
Access Route 01 Access Route 02	1	2									
Contraction of the local states of the local s		the second se									
Access Route 02		2									
Access Route 02 Access Route 03		2									
Access Route 02 Access Route 03 Building 01 Car Park 01 Footbridge 01	3 2 32	2									
Access Route 02 Access Route 03 Building 01 Car Park 01 Footbridge 01 Platform 01	3 2 32 8	2 1 5 1									
Access Route 02 Access Route 03 Building 01 Car Park 01 Footbridge 01	3 2 32	2 1 5									

Station BUSHEY Network Rail Survey v01/03/11;31/12/08 71% SCORE Date of Visit 20/03/2012 JD Surveying Firm Amey/Atkins Summary Block Elements Audited 16 ARL MAT LAY OK ARL % MAT% LAYN OK % Alt 2 0 0% 0 0% 0% 0% 300% Access Route 01 31 31 100% 19 12 61% 0% 0% 39% Access Route 02 36 35 97% 27 . 75% 0% 0% 25% Access Route 03 28 26 93% 13 13 46% 0% 0% 54% **Building 01** 128 122 55% 9 12 101 7% 9% 0% 84% Building 02 59 22 37% 3 19 5% 0% 0% 95% Building 03 25 17 68% 2 15 8% 0% 0% 92% **Building 04** 75 62 83% 4 56 5% 3% 0% 92% 2 Building 05 29 20 69% 5 1 14 17% 3% 0% 79% Canopy 01 27 24 89% 7 17 26% 0% 0% 74% Canopy 02 16 14 88% 12 13% 0% 0% 88% 2 Car Park 01 20 8 80% 5 2 50% 0% 10% 40% Curtilage 01 3 ä 100% 1 2 33% 0% 0% 67% Curtilage 02 2 100% 2 0% 0% 0% 100% 2 Curtilage 03 100% 0% 0% 0% 100% 1 1 1 Curtilage 04 100% 1 Ô 100% 0% 0% 0% 1 1 Platform 01 55 52 95% 24 1 27 44% 2% 0% 55% Platform 02 37 36 97% 14 22 38% 0% 0% 62% Platform 03 9 9 100% 8 0% 11% 0% 89% 1 Platform 04 69 69 100% 20 45 29% 1% 0% 70% 1 Platform 05 44 44 100% 6 38 14% 0% 0% 86% Subway 01 113 102 9056 15 5 82 13% 4% 0% 82% Waiting Shelter 01 4 4 100% 2 2 50% 0% 0% 50% Waiting Shelter 02 3 3 100% 2 67% 0% 0% 33% 1 807 707 88% 181 502 3% 0% 75% Total 23 22% 1 Commentary Measures Measures Comments Block Beyond Better ALE AII Access Route 01 1 2 Access Route 02 6 Access Route 03 5 3 Building 01 46 4 Building 02 7 4 Building 03 6 4 Building 04 40 4 Building 05 2 3 Canopy 01 5 Canopy 02 8 Car Park 01 Curtilage 01 1 Curtilage 02 1 Curtilage 03 Curtilage 04 Platform 01 20 9 Platform 02 4 5 Platform 03 1 Platform 04 11 8 Platform 05 9 2 Subway 01 34 4 Waiting Shelter 01 Waiting Shelter 02 2 191 60 Total

21 Bushey (Cat E) [Calculated SSM Variation 0%]

22 Erdington (Cat E) [Calculated SSM Variation +11%]

Station	ERDING	TON	1.00	SCORE	00	10/	1	Network	Rail Survey	03/11	/2011
Date of Visit	12/03/	2012	DL.	ACHA	03	9%		Surveying	tirm	An	ney
Summary	8		-				-				-
Block	Elements	Audited	- 96	AJIL	MAT	LAY	ок	ARL %	MATS	LAYN	OK!
All	2	1	50%				1	0%	0%	0%	100
Access Route 01	16	16	100%	2	-		14	13%	0%	0%	881
Access Route 02	24	21	88%	2	3		16	8%	13%	0%	791
Building 01	136	65	4855		5		60	0%	4%	0%	965
Curtilege 01	1	1	100%				1	0%	0%	0%	100
Curtilege 02	1	1	100%				1	0%	0%	0%	100
Platform 01	35	31	89%	3		-	28	9%	0%	0%	915
Platform 02	36	35	97%	4			31	11%	0%	0%	891
Waiting Shelter 01	3	3	100%				3	0%	0%	0%	100
Waiting Shelter 02	4	4	100%				4	0%	0%	0%	100
Total	258	178	69%	11	8	0	159	4%	3%	0%	93
Commentary		Measures	-	_	-	_	-	-			
Block	Measures Better	Beyond	Comment	ts							
Block				ts							
0.03				ts							
All	Better	ALE		ts.							
All Access Route 01	Better 3	ALE		ls.							
All Access Route 01 Access Route 02	Better 3 5	ALE 1 5		is							
All Access Route 01 Access Route 02 Building 01	8etter 3 5 28	ALE 1 5		is							
All Access Route 01 Access Route 02 Building 01 Curtilege 01	Better 3 5 28 1	ALE 1 5		is							
All Access Route 01 Access Route 02 Building 01 Curtilege 01 Curtilege 02	Better 3 5 28 1 1	ALE		is							
All Access Route 01 Access Route 02 Building 01 Curtilege 01 Curtilege 02 Platform 01	Better 3 5 25 1 1 1	ALE									
All Access Route 01 Access Route 02 Building 01 Curtilege 01 Curtilege 02 Platform 01 Platform 02	Better 3 5 25 1 1 1	ALE 1 5 5 11 10									

Station	GIRV	AN		SCORE	0.4	10/		Network	Rail Survey	31/01	/2011
Date of Visit	21/02/	2012		SCORE	δ.	1%		Surveying	g Firm	An	ney
						1.000	-				
Summary				-	_	_	_	-	_		_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAY %	OKT
All	4	0	0%				0	0%	0%	0%	3005
Access Route 01	37	36	97%	10			26	27%	0%	0%	735
Access Route 02	2	2	100%	1			1	50%	0%	0%	50%
Access Route 03	15	14	93%	3			11	20%	0%	0%	805
Access Route 04	15	13	87%	3		-	10	20%	0%	0%	805
Access Route 05	15	14	93%	0.000	1.00		14	0%	0%	0%	100
Building 01	298	225	76%	33	2	4	186	11%	1%	1%	879
Canopy 01	7	5	71%	2			3	29%	0%	0%	715
Canopy 02	7	5	71%	1			4	34%	0%	0%	865
Canopy 03	6	4	67%	1			3	17%	0%	0%	831
Car Park 01	18	18	100%	2			16	11%	0%	0%	895
Curtilage 01	30	6.	60%	1			5	10%	0%	0%	901
Curtilage 02	3	1	100%	1			2	33%	0%	0%	675
Curtilage 03	2	2	100%	1		-	2	0%	0%	0%	100
Curtilage 04	2	0	0%				0	0%	0%	0%	100
Curtilage 05	1	1	100%				1	0%	0%	0%	100
Platform 01	40	34	85%	6		-	28	15%	0%	0%	855
Platform 02	27	24	89%	7			17	26%	0%	0%	745
Subway 01	11	10	91%	2				18%	0%	0%	825
	11 520	10 416	91% 80%	2 73	2	4	# 337	18%	0%	0% 1%	
					2	4					855
Total					2	4					
Total Commentary		416 Measures Beyond		73	2	4					
Total	520 Measures	416 Measures	80%	73	2	4					
Total Commentary Block	520 Measures	416 Measures Beyond	80%	73	2	4					
Total Commentary Block All	520 Measures Better	416 Measures Beyond ALE	80%	73	2	4					
Total Commentary Block All Access Route 01	520 Measures Better	416 Measures Beyond ALE	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 02	520 Measures Better 4	416 Measures Beyond ALE	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 02 Access Route 03	520 Measures Better 4 2	416 Measures Beyond ALE 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04	520 Measures Better 4 2 2	416 Measures Beyond ALE 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01	520 Measures Better 4 2 2 1	416 Measures Beyond ALE 1 1 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05	520 Measures Better 4 2 2 1	416 Measures Beyond ALE 1 1 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 04 Access Route 04 Access Route 05 Building 01 Canopy 01	520 Measures Better 4 2 2 1	416 Measures Beyond ALE 1 1 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Cancepy 01 Cancepy 02	520 Measures Better 4 2 2 1	416 Measures Beyond ALE 1 1 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01 Canopy 02 Canopy 03	520 Measures Better 4 2 2 1 42	416 Measures Beyond ALE 1 1 1 1 1 1 6	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01 Canopy 02 Canopy 02 Canopy 03 Car Park 01	520 Measures Better 4 2 2 1 42	416 Measures Beyond ALE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Curtilage 01	520 Measures Better 4 2 2 1 42	416 Measures Beyond ALE 1 1 1 1 1 1 1 1 1 1 1 1 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Boulding 01 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Curtilage 01 Curtilage 02	520 Measures Better 4 2 2 1 42	416 Measures Beyood ALE 1 1 16 16 1 1 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 02 Canopy 02 Caropy 03 Car Park 01 Curtilage 02 Curtilage 03	520 Measures Better 4 2 2 1 42	416 Measures Beyood ALE 1 1 16 16 1 1 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01 Canopy 02 Canopy 02 Canopy 03 Car Park 01 Curtilage 01 Curtilage 03 Curtilage 03 Curtilage 04	520 Measures Better 4 2 2 1 42	416 Measures Beyond ALE 1 1 1 1 1 1 2	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01 Canopy 02 Canopy 02 Canopy 03 Car Park 01 Curtilage 01 Curtilage 04 Curtilage 04 Curtilage 05	520 Measures Better 4 2 2 1 42 4 4	416 Measures Beyond ALE 1 1 1 1 1 1 1 2 2 1	80%	73	2	4					
Total Commentary Block All Access Route 01 Access Route 01 Access Route 03 Access Route 03 Access Route 04 Access Route 04 Access Route 05 Building 01 Canopy 01 Canopy 02 Canopy 02 Canopy 03 Car Park 01 Curtilage 02 Curtilage 03 Curtilage 03 Curtilage 05 Platform 01	520 Measures Better 4 2 2 1 42 4 2 1 42 1	416 Measures Beyond ALE 1 1 1 1 1 1 1 1 1 1 2 2 1 6	80%	73	2	4					

23 Girvan (Cat E) [Calculated SSM Variation -3%]

24 Hertford East (Cat E) [Calculated SSM Variation +9%]

Station	HERTFOR	DEAST	See.	SCORE	0-	70/		Network	Rail Survey	v10/12/10	;22/03/
Date of Visit	20/03/	8012	DL.	SCORE	91	7%		Surveying	Firm	Amey	/wyg
Summary											_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAYN	OKT
All	1	0	0%				0	0%	0%	0%	3005
Access Route 01	30	10	100%				10	0%	0%	0%	1005
Access Route 02	. 9	9	100%				. 9	0%	0%	0%	100
Building 01	383	100	26%	1	1		98	0%	0%	0%	99%
Building 02	45	11	22%	1			10	2%	0%	0%	585
Building 03	12	6	50%	1000			6	0%	0%	0%	100
Canopy 01	33	25	76%	3			22	9%	0%	0%	915
Canopy 02	35	27	77%	1		2	24	2%	0%	6%	915
Canopy 03	30	9	90%				9.	0%	0%	0%	100
Car Park 01	13	13	100%				13	0%	0%	0%	100
Car Park 02	3	3	100%	1			3	0%	0%	0%	100
Concourse 01	34	13	93%	1.000			13	0%	0%	0%	100
Platform 01	19	19	100%	-			19	0%	0%	0%	100
Platform 02	20	30	100%	1.1			20	0%	0%	0%	100
Total	611	265	43%	6	1	2	256	1%	0%	0%	995
10101		200	1070			-				475	
Commentary											
Commentary Block	Measures Better	Measures Beyond ALE	Comment	is.							
		Beyond	Comment	ls.							
Block		Beyond	Comment	IS							
Block	Better	Beyond	Comment	IS							
Block All Access Route 01 Access Route 02	Better 2	Beyond			ingrooms	2					
Block All Access Route 01 Access Route 02 Building 01	Better 2 1	Beyond ALE		ts His to build	ling rooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 02	8etter 2 1 38 4	Beyond ALE 2			lingrooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 02 Building 03	Better 2 1 38 4 2	Beyond ALE 2			lingrooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 03 Canopy 01	8etter 2 1 38 4	Beyond ALE 2			lingrooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 03 Canopy 01 Canopy 02	Better 2 1 38 4 2 4 9	Beyond ALE 2			ling rooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 03 Canopy 01 Canopy 02 Canopy 03	Better 2 1 38 4 2 4 2 4	Beyond ALE 2			ling rooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 03 Canopy 01 Canopy 02 Canopy 03 Canopy 03 Canopy 03 Canopy 03 Canopy 03	Better 2 1 38 4 2 4 9	Beyond ALE 2			ling rooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 03 Canopy 01 Canopy 02 Canopy 03 Can Park 02	Better 2 1 38 4 2 4 9 5 	Beyond ALE 2			ling rooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 03 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Car Park 01 Car Park 02 Concourse 01	Better 2 1 38 4 2 4 9 5 5 5	Beyond ALE 2			ling rooms	2					
Block All Access Route 01 Access Route 02 Building 01 Building 03 Canopy 01 Canopy 02 Canopy 03 Can Park 02	Better 2 1 38 4 2 4 9 5 	Beyond ALE 2			ling rooms	2					

	KEARS	NEY		SCORE	0.0	:0/		Network	Rail Survey		
Date of Visit	21/03/	2012	GM	SCORE	83	5%		Surveying	g Firm		
Summary			1		-	_	-	1.1.1.1.1.			
Block	Elements	Audited	N	ARL	MAT	LAY	ОК	ARL %	MAT %	LAYN	0
All	1	1	300%				1	0%	0%	0%	30
Access Route 01	15	15	100%	2			13	13%	0%	0%	
Access Route 02	13	12	92%	7			5	54%	0%	0%	4
Access Route 03	17	13	76%	3			10	18%	0%	0%	8
Access Route 04	4	3	75%	Sec. 1		-	. 3	0%	0%	0%	20
Building 01	140	75	54%	13			62	9%	0%	0%	9
Building 02	21	18	86%				18	0%	0%	0%	10
Canopy 01	34	14	100%				14	0%	0%	0%	10
Canopy 02	13	13	100%				13	0%	0%	0%	10
Car Park 01	18	18	100%	3			15	17%	0%	0%	8
Curtilage 01	3	3	100%	1			3	0%	0%	0%	10
Curtilage 02	3	3	100%	1			2	33%	0%	0%	6
Curtilage 03	2	2	100%	1			1	50%	0%	0%	5
Footbridge 01	39	39	100%	4		-	35	10%	0%	0%	9
Platform 01	41	40	98%	5		2	33	12%	0%	5%	8
Platfrom 02	34	32	94%	1			29	9%	0%	0%	9
Waiting shelter 01	2	2	100%	1			1	50%	0%	0%	50
			-	_	0	2	258		0%		8
Total	380	303	80%	43	0		430	11%	V76	1%	91
Total	380	303	80%	43	v	4	238	11%	V76	178	91
	380	303	80%	43	0	6	230	11%	V76	176	91
Total Commentary				43	•	6	238	11%	V76	478	0
	Measures	Measures Beyond			U	6	230	11%	¥78	478	91
Commentary Block		Measures			0	2	236	11%	076	476	
Commentary	Measures	Measures Beyond			0	6	230	11%	0%	476	91
Commentary Block	Measures	Measures Beyond			v	6	236	11%	VA	476	91
Commentary Block All	Measures	Measures Beyond			0	6	236	11%	V/a	476	
Commentary Block All Access Route 01	Measures	Measures Beyond			0	6	236	11%	076	476	
Commentary Block All Access Route 01 Access Route 02	Measures Better	Measures Beyond			0	6	236	11%	076	476	
Commentary Block All Access Route 01 Access Route 02 Access Route 03	Measures Better	Measures Beyond				6	236	11%	076	476	
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04	Measures Better	Measures Beyond				-	230	11%	076	476	
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01	Measures Better	Measures Beyond				6	230	11%	Va	470	
Commentary Block All Access Route 01 Access Route 03 Access Route 04 Building 01 Building 02 Canopy 01	Measures Better	Measures Beyond			•		230	11%	078	47	
Commentary Block All Access Route 01 Access Route 03 Access Route 04 Building 01 Building 02 Canopy 01 Canopy 02	Measures Better	Measures Beyond					230	11%	078	47	
Commentary Block All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Building 02 Canopy 01 Canopy 02 Car Park 01	Measures Better	Measures Beyond					230	11%	0.0	47	
Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Building 01 Building 01 Building 02 Canopy 02 Car Park 01 Curtilage 01	Measures Better	Measures Beyond					230	11%	078	47	
Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Building 01 Building 02 Canopy 01 Canopy 02 Caropy 02 Caropy 02 Caropy 02 Caropy 02 Curtilage 01 Curtilage 02	Measures Better	Measures Beyond				4	230	11%	0.8	17	
Commentary Block All Access Route 01 Access Route 03 Access Route 04 Building 01 Building 02 Canopy 01 Canopy 02 Car Park 01 Curtilage 03	Measures Better	Measures Beyond ALE					230	11%	0.8	17	
Commentary Block All Access Route 01 Access Route 03 Access Route 04 Building 01 Building 01 Canopy 02 Caropy 01 Caropy 02 Car Park 01 Curtilage 03 Footbridge 01	Measures Better	Measures Beyond					230	11%	078	47	
Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Building 01 Building 02 Canopy 01 Canopy 02 Car Park 01 Curtilage 01 Curtilage 03 Footbridge 01 Platform 01	Measures Better	Measures Beyond ALE					230	11%		47	
Commentary Block All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Building 01 Building 01 Canopy 02 Caropy 01 Caropy 02 Car Park 01 Curtilage 03 Footbridge 01	Measures Better	Measures Beyond ALE					230	11%		47	

25 Kearsney (Cat E) [Calculated SSM Variation -1%]

26 Kidsgrove (Cat E) [Calculated SSM Variation -19%]

Station	KIDSGR	OVE	Sec. 1	SCORE	60	0/		Network	Rail Survey		
Date of Visit	19/03/	2012	ar	SLORE	69	170		Surveying	Firm	_	-
Summary											-
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
All	2	2	300%	0	0	0	2	0%	0%	0%	100
Building 01	10	10	100%	5	0	0	5	50%	0%	0%	501
Canopy 01	7	7	100%	3	0	0	4	43%	0%	0%	575
Canopy 02	8	8	100%	3	0	0	5	38%	0%	0%	635
Car Park 01	16	16	100%	4	0	1	11	25%	0%	6%	695
Curtilage 01	1	1	100%	0	0	0	1	0%	0%	0%	100
Footbridge 01	72	72	100%	25	0	4	43	35%	0%	6%	601
Platform 01	37	37	100%	7	0	3	27	19%	0%	8%	735
Platform 02	28	28	100%	6	0	0	22	21%	0%	0%	791
Platform 03	24	24	100%	4	0	0	20	17%	0%	0%	831
Platform 04	26	26	100%	5	1	1	19	19%	4%	4%	735
Total	231	231	100%	62	1	9	159	27%	0%	4%	69
	10					_	-				-
Commentary											
	Measures Better	Measures Beyond ALE	Comment	•							
Block		Beyond	Comment	\$							
Block	Better	Beyond ALE	Comment Roof only	s							
Block All Building 01	Better	Beyond ALE 0		\$							
Block All Building 01	Better 0 0	Beyond ALE 0 4		5							
Block All Building 01 Canopy 01	0 0 0	Beyond ALE 0 4 1		5							
Block All Building 01 Canopy 01 Canopy 02	Better 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Beyond ALE 0 4 1 1		5							
Block All Building 01 Canopy 02 Car Park 01 Curtilage 03 Footbridge 01	Better 0 0 0 0 2	Beyond ALE 0 4 1 1 4		s							
Block All Building 01 Canopy 02 Car Park 01 Curtilage 03 Footbridge 01	Better 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Beyond ALE 0 4 1 1 4 0		s							
Block All Building 01 Canopy 01 Canopy 02 Car Park 01 Curtilage 01 Footbridge 01 Platform 02	Better 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Beyond ALE 0 4 1 1 4 0 10		s							
Block All Building 01 Canopy 01 Caropy 02 Car Park 01 Curtilage 01 Footbridge 01 Platform 02 Platform 02 Platform 03	Better 0 0 0 0 0 2 0 0 2 0 3 3	Beyond ALE 0 4 1 1 4 0 10 7		\$							
Car Park 01 Curtilage 01	Better 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Beyond ALE 0 4 1 1 3 4 0 20 7 6		\$							

27 Malton (Cat E) [Calculated SSM Variation +2%]

Station	MALT		_	SCORE	86	5%				31/7/2007	v24/1/
Date of Visit	21/02/2	912	_		00	70	-	Surveying	firm		
Summary		-	-				-			-	_
Block	Elements	Audited	- 55	AJIL	MAT	LAY	ок	ARL %	MATS	LAYS	OK S
All	1	0	0%				0	0%	0%	0%	100
Access Route 01	3	3	100%	1			3	0%	0%	0%	1005
Access Route 02	1	1	100%				1	0%	0%	0%	1009
Building 01	16	5	31%				5	0%	0%	0%	100
Canopy 01	38	15	83%	2		-	13	11%	0%	0%	895
Car Park 01	16	3	19%				1	0%	0%	0%	100
Platform 01	47	37	79%	7			30	15%	0%	0%	855
Total	102	64	63%	9	0	0	55	9%	0%	0%	91
10 00											
Commentary											
Commencary											
	Measures Better	Measures Beyond ALE	Comment	s							
Block		Beyond	Comment	s							
Block		Beyond	Comment	\$							
Block	Better	Beyond	Comment	5							
Block All Access Route 01	Better	Beyond	Comment	3							
Block All Access Route 01 Access Route 02	Better	Beyond	Comment	5							
Block All Access Route 01 Access Route 02 Building 01 Caropy 01 Car Park 01	Better 1 2	Beyond	Comment	5							
Block All Access Route 01 Access Route 02 Building 01 Canopy 01	8etter	Beyond	Comment	3							

Station	MELTON M	OWBRAY		SCORE	63	0/		Network	Rall Survey	29/05	/2010
Date of Visit	29/02/	2012	30	SCORE	63	8%	1	Surveying	Firm	An	vey
Summary											
Block	tlements	Audited	*	ARL	MAT	LAY	OK	ARL %	MAT %	LAY %	OK
All	2	2	100%		-	-	2	0%	0%	0%	100
Access Route 01	14	14	100%	1		1	10	21%	0%	7%	719
Access Route 02	3	1	100%				3	0%	0%	0%	100
Access Route 03	4	4	100%	1			3	25%	C%	0%	755
Hardstanding 01	6	6	100%		8		6	0%	0%	0%	100
Hardstanding 02	5	5	100%	2			3	40%	0%	0%	601
Building 01	359	279	78%	121	. 8	1	149	34%	2%	0%	645
Building 02	46	15	33%	3	2	-	30	7%	4%	0%	895
Canopy 01	11	10	91%			2	1	0%	0%	18%	825
Canopy 02	10	9	90%			1	8	0%	Q%	10%	901
Canopy 63	11	. 1	9%				1	0%	0%	0%	100
Car Park 01	29	29	500%				21	28%	0%	0%	725
Curtilage 01	3	3	100%	1			2	33%	0%	0%	675
Curtilage 02	2	2	100%	1.18	1.000	to the	2	0%	0%	0%	100
Footbridge 01	29	27	93%	1	1	1	20	10%	3%	10%	763
Platform 01	33	33	100%	.2	1	4	26	6%	3%	12%	791
Platform 02	35	35	100%	2	1	3	29	6%	3%	9%	835
Waiting Shelter 01	2	2	100%	1			1	30%	0%	0%	505
Total	604	479	79%	147	13	15	304	24%	2%	2%	71
and the second se											
Commentary			-				-	_	_		
	Measures Better	Measures Beyond ALE	Comment	3							
Block	100000000000000000000000000000000000000	1000 C C C C C C C C C C C C C C C C C C	Comment	3							
Block	100000000000000000000000000000000000000	Beyond	Comment	a							
Block All Access Route 01	Better	Beyond	Comment	5							
Block	Better	Beyond	Comment	a							
Block All Access Route 01 Access Route 02	Better	Beyond	Comment	5							
Block All Access Route 01 Access Route 02 Access Route 03	Better	Beyond	Comment	54 							
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01	Better	Beyond ALE		a to certain ;	parts of thi	sbuilding					
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Hardstanding 02	Better	Beyond ALE			parts of thi	sbuilding	2				
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Hardstanding 02 Building 01	Better	Beyond ALE 1 18			parts of thi	sbuilding					
Block All Access Route 01 Access Route 02 Access Route 03 Mardstanding 01 Mardstanding 02 Building 01 Building 02	Better	Beyond ALE 1 18			parts of thi	s building					
Błock All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Building 01 Building 02 Canopy 01	8etter 1 2 2	Beyond ALE 1 18			parts of thi	s building					
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Hardstanding 02 Building 02 Canopy 02	8etter 1 2 2	Beyond ALE 1 18			parts of thi	sbuilding					
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Hardstanding 02 Building 01 Building 02 Canopy 01 Canopy 02 Canopy 00	8etter 1 2 2 1	Beyond ALE 1 18			parts of thi	s building					
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Building 01 Building 02 Canopy 01 Canopy 02 Canopy 02 Canopy 02 Canopy 02 Canopy 02 Canopy 02 Canopy 03 Car Park 01	Better 1 2 2 1 1 1 1 1 1	Beyond ALE 1 18			parts of thi	s building					
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Hardstanding 02 Building 02 Canopy 02 Canopy 02 Canopy 03 Caropy 03 Caropy 03 Caropy 03 Caropy 03 Curtilage 01 Curtilage 02 Footbridge 01	Better 1 2 2 1 1 1 1 1 1	Beyond ALE 1 18			parts of thi	sbuilding					
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Building 01 Building 02 Canopy 01 Canopy 02 Canopy 02 Canopy 03 Car Park 03 Curtilage 01 Curtilage 02 Footbridge 01 Platform 01	Better 1 2 2 1 1 1 1 1 1	Beyond ALE 1 18 1 1 1 1 1 1 1			parts of th	s building					
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Hardstanding 02 Building 02 Canopy 01 Canopy 02 Canopy 02 Canopy 02 Caropy 03 Car Park 03 Curtilage 03 Curtilage 03 Platform 01 Platform 02	Better 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Beyond ALE 1 1 13 1 1 1 1 1 1 1 1 1 1 1			parts of th	s building					
Block All Access Route 01 Access Route 02 Access Route 03 Hardstanding 01 Building 01 Building 02 Canopy 01 Canopy 02 Canopy 02 Canopy 03 Car Park 03 Curtilage 01 Curtilage 02 Footbridge 01 Platform 01	Better 1 2 2 1 1 1 1 1 1 1 12 8	Beyond ALE 1 1 1 1 1 1 1 1 1 1 1 3			parts of thi	s building					

28 Melton Mowbray (Cat E) [Calculated SSM Variation -2%]

29 Radyr (Cat E) [Calculated SSM Variation -3%]

Station	RAD	YR	1. A.	SCORE	C	:0/		Network	Rail Survey	24/08	/2010
Date of Visit	13/03/	2012]ан	SCORE	65	070		Surveying	; Firm	Ал	ney
Summary	5					_					
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAY %	OK
All	1	0	0%				0	0%	0%	0%	100
Access Route 01	12	12	100%	1			11	8%	0%	0%	925
Access Route 02	22	22	100%	6			16	27%	0%	0%	73
Building 01	65	19	29%	4		4	11	6%	0%	6%	881
Building 02	58	25	43%	8	1	2	14	14%	2%	2%	815
Car Park 01	31	26	84%	7		100	19	23%	0%	0%	77
Footbridge 01	45	45	100%	18	2		25	40%	4%	0%	56
Platform 01	53	-46	87%	18			28	34%	0%	0%	66
Platform 02	60	55	92%	15			40	25%	0%	0%	75
Waiting Shelter 01	3	3	100%	2			1	67%	0%	0%	331
Waiting Shelter 02	3	3	100%	2			1	67%	0%	0%	33
Total	353	256	73%	81	3	6	166	23%	1%	2%	75
Commentary	1.1										
Block	Measures Better	Measures Beyond ALE	Comment	ts							
All I											
Access Route 01	1	1									
Access Route 02	3	1.000	Sec.	201-002		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
Building 01	1.000	2	Abandon	ed building	g - fenced	off no acce	55				
Building 02	5	2	No access	to ticket o	ffice						
Car Park 01	3										
Footbridge 01	7										
Platform 01	8	4									
Platform 02	7	2									
Waiting Shelter 01 Waiting Shelter 02											
the second s	-		-			_	_		_		
Total	34	10									

Station Date of Visit	SALTCO 20/02/2	the second s		SCORE	90)%		Network	Rail Survey Firm	the second s	/2011 Hey
							-				
Summary							_	_			_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAYN	OK
tit	3	1	33%				1	0%	0%	0%	300
Access Route 01	17	16	-94%	1			15	6%	0%	0%	-94
Access Route 02	. 9	9	100%				9	0%	0%	0%	10
Access Route 03	9	9.	100%	1			8	11%	0%	0%	89
Access Route 04	7	7	100%	1			6	14%	0%	0%	86
Building 01	185	125	68%	14		2	109	#%	0%	1%	- 91
Canopy 01	13	12	92%	1			11	8%	0%	0%	.92
Curtilage 01	3	3	100%	2			1	67%	0%	0%	33
Curtilage 02	3	3	100%	1			2	33%	0%	0%	67
Footbridge 01	53		0%	1			-1	2%	0%	0%	- 98
Platform 01	54	49	91%	3			46	6%	0%	0%	- 94
Platform 02	47	40	85%	1			39	2%	0%	0%	98
Waiting Shelter 01	3	1	100%	1			2	33%	0%	0%	67
Total	406	277	68%	27	0	2	248	7%	0%	0%	93
Block	Measures	Measures Beyond	Comment	ts							
		ALC									
All	1	ALE									
All Access Boute 01	3	ALE	-								_
All Access Route 01 Access Route 02	3	ALE									
Access Route 01	and the second sec	ALE									_
Access Route 01 Access Route 02	4	ALE									
Access Route 01 Access Route 02 Access Route 03 Access Route 04	4 4	ALE									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01	4 4 4										
Access Route 01 Access Route 02 Access Route 03 Access Route 04	4 4 4 32	7									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Canopy 01 Curtilage 01	4 4 4 32	7									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Canopy 01 Curtilage 01 Curtilage 02	4 4 4 32	7									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Canopy 01 Curtilage 01	4 4 32 4	7									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Canopy 01 Curtilage 01 Curtilage 02 Footbridge 01	4 4 32 4 21	7									
Access Route 01 Access Route 02 Access Route 03 Access Route 04 Building 01 Canopy 01 Curtilage 01 Curtilage 02 Footbridge 01 Platform 01	4 4 32 4 21 20	7									

30 Saltcoats (Cat E) [Calculated SSM Variation +6%]

31 Sway (Cat E) [Calculated SSM Variation +2%]

Station	SWA	Y	Sec. 1	SCORE	70	20/		Network	Rail Survey	v14/05/11	;29/02
Date of Visit	23/03/	2012	JD	SCORE	78	5%		Surveying	Firm	Amey/In	terser
Summary	-			_	_	_	_	-			_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAYN	OK
Alt	2	2	100%	1	1		1	50%	0%	0%	50
Access Route 01	25	15	60%	4			11	16%	0%	0%	64
Access Route 02	5	5	100%	2			3	40%	0%	0%	60
Building 01	281	254	90%	40	3		211	14%	1%	0%	85
Canopy 01	19	19	100%	5			14	26%	0%	0%	- 74
Canopy 02	23	23	100%	2			21	9%	0%	0%	91
Canopy 03	8	8	100%	2			6	25%	0%	0%	. 75
Car Park 01	15	15	300%	8			7	53%	0%	0%	47
Curtilage 01	2	2	100%	1			1	50%	0%	0%	50
Footbridge 01	42	42	100%	14			28	33%	0%	0%	67
Platform 01	30	29	97%	5	3		21	17%	10%	0%	73
Platfrom 02	24	23	96%	5	3		15	22%	13%	0%	67
Total	476	437	92%	89	9	0	339	19%	2%	0%	79
		1	-				-				-
Commentary		1	_						-	_	
	Measures	Measures									
Block	Better	Beyond	Comment								
Block	Better		Comment								_
10-10	Better 11		Comment								
All			Comment								
All Access Route 01			Comment								
All Access Route 01 Access Route 02	11	ALE	Comment								
All Access Route 01 Access Route 02 Building 01	11	ALE	Comment								
All Access Route 01 Access Route 02 Building 01 Canopy 01	11 138 4	ALE	Comment								
All Access Route 01 Access Route 02 Building 01 Canopy 01 Canopy 02	11 138 4 1	ALE	Comment								
All Access Route 01 Access Route 02 Building 01 Canopy 01 Canopy 02 Canopy 03	11 138 4 1 6	ALE	Comment								
All Access Route 01 Access Route 02 Building 01 Canopy 01 Canopy 02 Canopy 03 Car Park 01	11 138 4 1 6 2	9 1	Comment								
All Access Route 01 Access Route 02 Building 01 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Curtilage 01	11 138 4 1 6 2 1	9 1									
All Access Route 01 Access Route 02 Building 01 Canopy 01 Canopy 02 Canopy 03 Car Park 01 Curtilage 01 Footbridge 01	11 138 4 1 6 2 1 6	9 1									

32 Adlington (Cat F) [Calculated SSM Variation -11%]

Station	ADUNG	TON		SCORE	00	0/		Network	tall Survey	12/11	/2010
Date of Visit	02/03/	2012	3D	SCORE	65	3%		Surveying	Firm	An	vey
Summary		- 104	- 223					10000		100	
Block	Elements	Audited	. 16	AJIL	MAT	LAY	OK	ARL %	MAT %	LAY%	OK
Access Route 01	11	11	\$00%	2	1	· · · ·	8	18%	9%	0%	73
Access Route 02	16	15	54%	1		1	6	50%	0%	6%	- 44
Access Route 03	7	7	100%			1	6	0%	0%	14%	86
Building 01	85	85	100%	19	4.5		62	22%	5%	0%	71
Car Park 01	10	10	100%	2		1	8	20%	0%	0%	80
Curtilage 01	3	3	100%				3	0%	0%	0%	100
Curtilage 02	1	1	100%			1	1	0%	.0%	0%	10
Curtilage 03	1	1	300%	1		-1 - E	2	33%	0%	0%	67
Platform 01	24	- 24	200%	1		1	16	33%	0%	0%	\$7
Platform 02	28	28	100%	9	÷	1	19	32%	Q%	0%	- 68
Waiting Shelter 01	3	3	100%	3			0	100%	0%	0%	01
Waiting Shelter 02	2	2	100%	2			0	300%	0%	0%	0
Total	193	192	99%	54	5	2	131	28%	3%	1%	68
											-
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	3							
Access Route 01	1	2									
Access Route 01 Access Route 02	1	2									
the second se		-									
Access Route 02		-									
Access Route 02 Access Route 03	1	1									
Access Route 02 Access Route 03 Building 01	1	1									
Access Route 02 Access Route 03 Building 01 Car Park 01	1	1									
Access Route 02 Access Route 03 Building 01 Car Park 03 Curtilage 03	1	1									
Access Route 62 Access Route 63 Building 01 Car Park 01 Curtilage 01 Curtilage 02	1	1									
Access Route 62 Access Route 03 Building 01 Car Park 03 Curtilage 03 Curtilage 02 Curtilage 03	1	1									
Access Route 02 Access Route 03 Building 01 Car Park 03 Curtilage 03 Curtilage 03 Platform 01	3	1 1 1 1 2									
Access Route 02 Access Route 03 Building 01 Car Park 03 Curtilage 01 Curtilage 03 Platform 01 Platform 02	3	1 1 1 1 2									

33 Ashchurch for Tewksbury (Cat F) [Calculated SSM Variation +16%]

Station	ASHCHI	IRCH	1.00	SCORE	00	10/	1	Network	Rail Survey	17/12	/2009
Date of Visit	11/03/	8912	DL	SCORE	03	9%	-	Surveying	tirm	An	ney
Summary			-				-				_
Block	Elements	Audited	- 96	AJIL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
Access Route 01	13	9	69%				9	0%	0%	0%	100
Curtilage 01	2	2	100%	1			1	50%	0%	0%	50%
Footbridge 01	44	44	100%				- 44	0%	0%	0%	100
Platform 01	20	19	95%	5			-14	25%	0%	0%	755
Platform 02	21	20	95%	5			15	24%	0%	0%	761
Waiting Shelter 01	3	3	100%				3	0%	0%	0%	. 100
Waiting Shelter 02	3	3	100%	2			1	0%	0%	0%	100
Total	106	100	94%	11	0	0	89	10%	0%	0%	90
2 B											
Commentary			N								
Block	Measures Better	Measures Beyond ALE	Comment	15							
Block Access Route 01		Beyond	Comment	15							
		Beyond	Comment	5							
Access Route 01		Beyond ALE	Comment	5							
Access Route 01 Curtilage 01	Better	Beyond ALE 1	Comment	s							
Access Route 01 Curtilage 01 Footbridge 01	Better 25	Beyond ALE 1	Comment	3							
Access Route 01 Curtilage 01 Footbridge 01 Platform 01 Platform 02 Warting Shelter 01	Better 25 4	Beyond ALE 1	Comment	5							
Access Route 01 Curtilage 01 Footbridge 01 Platform 01 Platform 02	Better 25 4	Beyond ALE 1 9	Comment	5							

Station	BATTER	SBY		SCORE	60	0/		Network	Rail Survey	v27/01/12	2;14/11/0
Date of Visit	12/03/2	2012	D	SCORE	63	0 70		Surveying	g Firm	Amey	/ WYG
Summary											
Block	Elements	Audited	%	ARL	MAT	LAY	ок	ARL %	MAT %	LAY %	ок %
Access Route 01	2	2	100%	1			1	50%	0%	0%	50%
Access Route 02	2	2	100%				2	0%	0%	0%	100%
Car Park 01	2	2	100%		2		0	0%	100%	0%	0%
Platform 01	22	22	100%	7			15	32%	0%	0%	68%
Platform 02	12	12	100%	5			7	42%	0%	0%	58%
Total	40	40	100%	13	2	0	25	33%	5%	0%	63%
Commentary											
Block	Measures Better	Measures Beyond ALE	Comments	6							
Access Route 01											
Access Route 02											
Car Park 01											
Platform 01		2									
Platform 02	3										

34 Battersby (Cat F) [Calculated SSM Variation +5%]

Station	BRAND	ON	1.00	SCORE	00	9%		Network	Rail Survey	v04/01/12	, 06/01/
Date of Visit	22/03/2	912	DL	ACIN	03	0/0		Surveying	tiim	Amey - In	iterserv
Summary	3		-	-		-	-			-	-
Block	Elements	Audited	- 96	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	063
Access Route 01	11	7	64%			1	6	0%	0%	9%	91%
Access Route 02	4	2	50%	1			1	25%	0%	0%	75%
Canopy 01	8	7	88%				7	0%	0%	0%	1009
Car Park 01	5	4	80%				4	0%	0%	0%	300%
Footbridge 01	43	43	100%	3	1.1.1		40	7%	0%	0%	93%
Platform 01	38	18	100%		4		14	0%	22%	0%	78%
Platform 02	21	18	86%	1	1	_	16	5%	5%	0%	90%
Total	110	99	90%	5	5	1	88	5%	5%	1%	90%
20 - D				1			1	1.1			
Commentary											
	Measures	Measures									
Block	Better	Beyond ALE	Comment	a .:							
Block Access Route 01	Better		comment	•							
Access Route 01	Better	ALE	Comment								
Access Route 01	Better	ALE	Comment								
Access Route 01 Access Route 02	Better	ALE	Comment								
Access Route 01 Access Route 02 Canopy 01 Car Park 01		1	Comment								
Access Route 01 Access Route 02 Canopy 01	1	ALE 1	Comment								
Access Boute 01 Access Route 02 Canopy 01 Car Park 01 Footbridge 01	1	ALE 1	Comment								

35 Brandon (Cat F) [Calculated SSM Variation +10%]

36 Cark (Cat F) [Calculated SSM Variation +4%]

Station	CAR	K		SCORE	0.0	:0/	1.1	Network	Rail Survey	11/04	/2011
Date of Visit	20/02/2	8912		score	95	5%	-	Surveying	tirm	An	меγ
Summary			-			-					-
Block	Elements	Audited	- 55	ARL	MAT	LAY	ок	ARL %	MATS	LAY %	OK
Access Route 01	8	8	100%	1			7	13%	0%	0%	88
Access Route 02	13	6	46%				6	0%	0%	0%	100
Car Park 01	4	3	.75%	1			2	25%	0%	0%	.75
Curtilage 01	5	5	100%				5	0%	0%	0%	300
Curtilage 02	30	. 8	80%				8	0%	0%	0%	3.00
Footbridge 01	37	35	95%	1			34	2%	0%	0%	97
Platform 01	26	25	.96%	1		-	24	4%	0%	0%	.96
Platform 02	38	27	71%	2			25	5%	0%	0%	.95
Waiting Shelter 01	22	18	82%				18	0%	0%	0%	100
Waiting Shelter 02	20	19	95%		1		18	0%	5%	0%	95
Total	183	154	84%	6	1	0	147	3%	1%	0%	96
Commentary											_
Block	Measures Better	Measures Beyond ALE	Comment	ts							
Block Access Route 01		Beyond	Comment	ts.							
0.028		Beyond ALE	Comment	ts.							
Access Route 01		Beyond ALE 1	Comment	ls							
Access Route 01 Access Route 02	Better	Beyond ALE 1	Comment	15							
Access Route 01 Access Route 02 Car Park 01	Better	Beyond ALE 1			Theasures	ncluded					
Access Route 01 Access Route 02 Car Park 01 Curtilage 01	Better	Beyond ALE 1 1 2			neasures i	ncluded					
Access Route 01 Access Route 02 Car Park 01 Curtilage 01 Curtilage 02	Better	Beyond ALE 1 1 2			neasures i	ncluded					
Access Route 01 Access Route 02 Car Park 01 Curtilage 01 Curtilage 02 Footbridge 01	Better	Beyond ALE 1 2 1			neasures i	ncluded					
Access Route 01 Access Route 02 Car Park 01 Curtilage 01 Curtilage 02 Footbridge 01 Platform 01	Better	Beyond ALE 1 2 1 3 3 8			neasures i	ncluded					
Access Route 01 Access Route 02 Car Park 01 Curtilage 01 Curtilage 02 Footbridge 01 Platform 01 Platform 02	Better 1 1 5 2 1	Beyond ALE 1 2 1 3 6			neasures i	ncluded					

37 Crouch Hill (Cat F) [Calculated SSM Variation +26%]

Station	Crouch	Hill		SCORE	60	5%		Network	Rail Survey	.06/03	/2008
Date of Visit	23/02/	2012		SCORE	00	0/0		Surveying	Firm	Ал	неу
Summary			-								
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATN	LAYN	OK
All	2	2	300%		1		2	0%	0%	0%	300
Access Route 01	19	19	100%			10	9	0%	0%	53%	47
Access Route 02	30	10	100%			1	9	0%	0%	10%	90
Platform 01	37	29	78%	1.000	12	1	16	0%	32%	3%	65
Platform 02	33	31	.94%	3	10		21	0%	30%	0%	70
Waiting Shelter 01			100%	1.00	1.20.20		8	0%	0%	0%	300
Waiting Shelter 02	8	8	100%				8	0%	0%	0%	100
Curtilage 01	2	2	300%		2		0	0%	100%	0%	0
Curtilage 02	1	1.	100%		1		0	0%	100%	0%	0
Total	120	110	92%	0	25	12	73	0%	21%	10%	69
Commentary	_	Measures									
Block	Measures Better	Beyond	Comment								
Block	Better		10.10	s furbished	2010-2011						
	Better 2	Beyond	Station Re	Stance	A10.01.00.00						
All	Better	Beyond	Station Re Station Re	furbished	2010-2011						
All Access Route 01	Better 2 8	Beyond	Station Re Station Re station Re	efurbished efurbished	2010-2011 2010-2011						
All Access Route 01 Access Route 02	8etter 2 8 7	Beyond	Station Re Station Re station R	furbished furbished furbished	2010-2011 2010-2011 2010-2011						
All Access Route 01 Access Route 02 Platform 01	Better 2 8 7 15	Beyond	Station Re Station Re station R Station R	furbished furbished furbished efurbished	2010-2011 2010-2011 2010-2011 2010-2011						
All Access Route 01 Access Route 02 Platform 01 Platform 02	8etter 2 8 7 15 13	Beyond	Station Re Station Re Station Re Station Re Station Re	furbished furbished furbished efurbished efurbished	2010-2011 2010-2011 2010-2011 2010-2011 2010-2011						
All Access Route 01 Access Route 02 Platform 01 Platform 02 Waiting Shelter 01	Better 2 8 7 15 13 3	Beyond	Station Re Station Re Station Re Station Re Station Re Station Re	furbished furbished furbished efurbished furbished furbished	2010-2011 2010-2011 2010-2011 2010-2011 2010-2011 2010-2011 2010-2011						
All Access Route 01 Access Route 02 Platform 01 Platform 02 Waiting Shelter 01 Waiting Shelter 02	Better 2 8 7 15 13 3	Beyond	Station Re Station Re station Re Station Re Station Re Station Re Station Re	furbished furbished furbished furbished furbished furbished	2010-2011 2010-2011 2010-2011 2010-2011 2010-2011 2010-2011 2010-2011						

38 Dovey Junction (Cat F) [Calculated SSM Variation +13%]

Station	DOVEY JU!	NCTION	1.00	SCORE	00	3%		Network	Rail Survey	01/01	/2009
Date of Visit	14/03/2	2012	DL	a cona	90	5 /0		Surveying	tirm	Lea	vers
Summary							-				_
Block	Elements	Audited	- 56	AJIL	MAT	LAY	ок	ARL %	MATS	LAYN	OK?
Hardstand 01	3	1	100%				1	0%	0%	0%	1009
Platform 01	46	42	91%				42	0%	0%	0%	1005
Waiting Shelter 01	3	3	100%		1		2	0%	33%	0%	67%
Total	52	48	92%	0	1	0	47	0%	2%	0%	985
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment								
Hardstand 01		1									
Platform 01	11										
Waiting Shelter 01	1	1									

39 East Malling (Cat F) [Calculated SSM Variation -12%]

Station	EAST MA	LUNG	1.11	SCORE	59	0/		Network	Rail Survey		
Date of Visit	20/03/	2012	JD	SCORE	55	0/0		Surveying	Firm	_	-
Summary		-					_				_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAYN	OK
Access Route 01	10	10	100%	7	0	0	3	70%	0%	0%	30
Access Route 02	11	11	100%	6	0	0	5	55%	0%	0%	: 45!
Building 01	45	23	51%	4	1	4	14	9%	2%	9%	801
Curtilage 01	3	30	100%	3	0	0	0	100%	0%	0%	09
Curtilage 02	10	6	60%	2	0	0	4	20%	0%	0%	80
Platform 01	27	27	100%	1	1	4	19	11%	4%	15%	70
Platform 02	27	27	100%	2	1	5	19	7%	4%	19%	70
Waiting Shelter 01	3	3	100%	0	2	0	1	0%	67%	0%	31
Total	136	110	81%	27	5	13	65	20%	4%	10%	67
1000 A.M. 11	and the second	(1.27 GC	and set of the	10000	- 20 A			10000	24.04.17	and a second	
Commentary	<u></u>										
Block	Measures Better	Measures Beyond ALE	Comment	ts							
Access Route 01	0	7									
		5									
Access Route 02	1										
Access Route 02 Building 01	0	0	Boarded a	up and no a	ccess						
			Boarded (up and no a	iccess.						
Building 01 Curtilage 01 Curtilage 02	0	0	Boarded (up and no a	KCESS.						
Building 01 Curtilage 01 Curtilage 02 Platform 01	0	0	Boarded (up and no a	KCCESS.						_
Building 01 Curtilage 01	0	0 2 2	Boarded (ip and no a	KCESS.						
Building 01 Curtilage 01 Curtilage 02 Platform 01	0 0 0 0 0	0 2 2 1	8oarded (ap and no a	KCOSS.						

40 Elsecar (Cat F) [Calculated SSM Variation -3%]

Station	ELSEC	AR			01	107		Network	Rail Survey	v 31/	01/
Date of Visit	01/03/2	2012	ar	SCORE	8.	<mark>1%</mark>		Surveying	g Firm	An	ney
Summary											
Block	Elements	Audited	%	ARL	MAT	LAY	ок	ARL %	MAT %	LAY %	
Platform 01	37	37	100%	6	2		29	16%	5%	0%	
Platform 02	36	36	100%	6			30	17%	0%	0%	
Total	73	73	100%	12	2	0	59	16 %	3%	0%	
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	s							
Platform 01											
Platform 02	6										
total	6	0									

41 Filton Abbey Wood (Cat F) [Calculated SSM Variation +5%]

Station	FILTON ABB	EY WOOD	1	SCORE	7-	0/		Network	Rail Survey		
Date of Visit	13/03/	2012	ан	SCORE	73	5%		Surveying	; Firm		-
Summary											
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	ОК
All	1	0	0%			-	0	0%	0%	0%	300
Access Route 01	31	15	48%	3	1	2	9	10%	3%	6%	. 81
Access Route 02	11	11	100%	6			5				
Access Route 03	1	0	0%	1			0	0%	0%	0%	100
Car Park 01	6	6	100%	3			3	50%	0%	0%	50
Curtilage 01	4	4	100%				4	-121110608	- Addresses		1000
Curtilage 02	4	4	100%	1			4				-
Footbridge 01	64	64	300%	10	1	1	53	10000	1		
Platform 01	38	37	97%	15			22				
Platform 02	71	70	99%	12	1		57				
Waiting Shelter 01	4	4	100%	2	1		1	and the second second			1000
Waiting Shelter 02	4	3	75%	2			1	50%	0%	0%	50
Waiting Shelter 03	4	4	100%	2	1		2	50%	0%	0%	50
Total	243	222	91%	55	3	3	161	23%	1%	1%	75
					-	-					
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	5							
All	2	11									
All Access Route 01	. 3	2									
	3	2									_
Access Route 01	3	2									
Access Route 01 Access Route 02	3	2									
Access Route 01 Access Route 02 Access Route 03	3	2									
Access Route 01 Access Route 02 Access Route 03 Car Park 01	3										
Access Route 01 Access Route 02 Access Route 03 Car Park 01 Curtilage 01	3	2									
Access Route 01 Access Route 02 Access Route 03 Car Park 01 Curtilage 01 Curtilage 02		2									
Access Route 01 Access Route 02 Access Route 03 Car Park 01 Curtilage 01 Curtilage 02 Footbridge 01	28	2									
Access Route 01 Access Route 02 Access Route 03 Car Park 01 Curtilage 01 Curtilage 02 Footbridge 01 Platform 01	28	2 2									
Access Route 01 Access Route 02 Access Route 03 Car Park 01 Curtilage 01 Curtilage 02 Footbridge 01 Platform 03 Platform 02	28	2 2									
Access Route 01 Access Route 02 Access Route 03 Car Park 01 Curtilage 01 Curtilage 02 Footbridge 01 Platform 03 Platform 02 Waiting Shelter 01	28	2 2									

42 Fort Matilda (Cat F) [Calculated SSM Variation +5%]

Station	FORT MA	TILDA		SCORE	01	2%		Network i	Rail Survey	19/07	/2011
Date of Visit	20/02/	1012		SCORE	02	. 70		Surveying	Firm	An	неу
Summary			_				_	-	_		_
Block	Elements	Audited	N	ARL	MAT	LAY	ОК	ARL %	MAT%	LAYN	OK
Access Route 01	8	8	300%	2	1		6	25%	0%	0%	755
Access Route 02	11	10	. 91%	4			6	36%	0%	0%	. 643
Building 01	93	44	47%	11		1	32	12%	0%	1%	#75
Canopy 01	6	6	100%	1		1	4	17%	0%	17%	675
Car Park 01	9	9	100%	1		1	7	11%	0%	11%	785
Footbridge 01	42	42	100%	1	100	101	39	7%	0%	0%	935
Platform 01	24	20	83%	1	1		18	4%	4%	0%	925
Platform 02	28	23	82%	1	1.000	1	21	4%	0%	4%	915
Total	221	162	73%	24	1	4	133	11%	0%	2%	87
en de la companya de	10 000		an anteres			1.1	1.20	1.00.000	1000 mg		
Commentary	163	-	_				_				
Block	Measures Better	Measures Beyond ALE	Comment	5							
		754.5									
Access Route 01	1	1									
Access Route 01 Access Route 02	1										
Access Route 02			No access	to the insi	de of the l	building - t	eingrenk	wated			
Access Route 02 Building 01		1	No access	to the insi	de of the t	ouilding - t	eingren	wated			
Access Route 02 Building 01	1	8	No access	to the insi	de of the t	ouilding - I	eing reno	wited			
Access Route 02 Building 01 Canopy 01 Car Park 01 Footbridge 01	1	1	No access	to the insi	de of the t	ouilding - t	seing reno	wited			
Access Route 02 Building 01 Canopy 01 Car Park 01	1	8	No access	to the insi	de of the l	ouilding - t	being rend	wated			
Access Route 02 Building 01 Canopy 01 Car Park 01 Footbridge 01	1 1 1 19	8	No access	to the insi	de of the l	ouilding - I	eingrend	wated			

Station	GLYN	DE	1.1.1	SCORE	00)%		Network	Rail Survey	29/02	/2008
Date of Visit	1000	25 S	ar	SCORE	90	J 70		Surveying	Firm	Ал	неу
Summary				_							_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
Access Route 01	9	9	100%	4			5	44%	0%	0%	565
Building 01	22	17	77%				17	0%	0%	0%	1005
Canopy 01	11	11	100%	1				27%	0%	0%	735
Footbridge 01	24	24	100%	1			23	4%	0%	0%	965
Platform 01	21	21	100%	3			18	14%	0%	0%	865
Platform 02	21	21	100%	2			39	10%	0%	0%	905
Waiting shelter 01	19	19	100%				19	0%	0%	0%	1005
Waiting shelter 02	4	4	100%	1.1	1		4	0%	0%	0%	1005
Total	131	126	96%	13	0	0	113	10%	0%	0%	90
Commentary	Measures	Measures Beyond	Comment	8							
Block	Better		Comment								
Block Access Route 01	Better	ALE	Comment								
	Better		Continent								
Access Route 01			Continent								
Access Route 01 Building 01											
Access Route 01 Building 01 Canopy 01	1										
Access Route 01 Building 01 Canopy 01 Footbridge 01	1										
Access Route 01 Building 01 Canopy 01 Footbridge 01 Platform 01	1										
Access Route 01 Building 01 Canopy 01 Footbridge 01 Platform 01 Platform 02	1										

43 Glynde (Cat F) [Calculated SSM Variation 0%]

	GRATE		1.0	SCORE	90	5%		Read and an owner of the local division of t	Rall Survey	33/03	
Date of Visit	07/03/2	912	DL		50	J70		Surveying	tirm	An	му
Francisco											
Block	Elements	Audited	- 55	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	0
		To a strength	1000 Car					1000000	1.1.1.1.1.1.1.1		-
All	2	2	100%		-	-	2	0%	0%	0%	30
Access Route 01	17	17	100%	3	-		14	11%	0%	0%	8
Access Route 02	18	18	100%	1	-		17	6%	0%	0%	-9
Access Route 03 Access Route 04	20	20	100% 93%		-		20	0%	0%	0%	10
Car Park 01	15	14 21	84%	1 2	-	-	13	7% 8%	0%	0%	9
Car Park 01 Car Park 02	36	12	89%	2	-		30	6%	0%	0%	- 2
Car Park 03	21	20	95%	4	-	-	20	0%	0%	0%	10
Car Park 04	9	3	100%	-	-	-	9	0%	0%	0%	10
Car Park 04 Car Park 05	6	6	100%	-		-	6	0%	0%	0%	10
Car Park 05	33	33	100%	-	-	-	33	0%	0%	0%	20
and the state of t	2	2	100%	-	-	-	2	0%	0%	0%	10
Curtilage 01	16	34	10/%	1	-	-		13%	0%	0%	
Curtilage 02		and the second se	-	2	-	-	12	and the second s		0%	10
Curtilage 03	2	2	100%	-	-		7	0%	0%	0%	-
Curtilage 04	and the second se		and the second second		-	-	14	and the second second		and the second se	10
Curtilage 05	15	15	100%	1	-			7%	0%	0%	9
Footbridge 01	50	49	Contracting in procession		-		49	0%	0%	0%	10
Platform 01	-	42	95%	1 4	-	-	41	2%	0%	0%	يتحصدو
Platform 02	49	43	88%	4	-	-	39	8%	0%	0%	9
Waiting Shelter 01	the second se	5	100%	-	-		the second second	0%	0%	0%	and the second second
Waiting Shelter 02	5	5	100%	-	-	-	5	0%		0%	30
Waiting Shelter 03			100%				-	0%	0%	0%	10
Total	401	380	95%	17	0	0	363	4%	0%	0%	9
Commentary	_										
		Measures	5								
Block	Measures Better	Beyond ALE	Comment								
Block		Beyond	Comment	5							_
1405.5		Beyond	Comment	5							
All		Beyond	Comment	5							
All Access Route 01	Better	Beyond ALE	Comment								
All Access Route 01 Access Route 02 Access Route 03 Access Route 04	Better 3	Beyond ALE	Comment								
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01	Better 3 11	Beyond ALE 1 3			on has rece	ntly been	ungraded	with clear	v new surfa	cing in the	car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02	Better 3 11 6 4 5	Beyond ALE 1 3	- General N	iote: Static				with clearly			: car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 02 Car Park 02 Car Park 03	Better 3 11 6 4	Beyond ALE 1 3	- General N	iote: Static				with clearl			: car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02 Car Park 03 Car Park 04	Better 3 11 6 4 5	Beyond ALE 1 3	- General N	iote: Static							: car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 02 Car Park 02 Car Park 03	Better 3 11 6 4 5 7	Beyond ALE 1 3	- General N	iote: Static							car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02 Car Park 03 Car Park 04	Better 3 11 6 4 5 7 2	Beyond ALE 1 3	- General N	iote: Static							e car i
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02 Car Park 03 Car Park 03 Car Park 04 Car Park 05	Better 3 21 6 4 5 7 2 2 2	Beyond ALE 1 3	- General N	iote: Static							: car)
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02 Car Park 03 Car Park 04 Car Park 05 Car Park 05	Better 3 11 6 4 5 7 2 2 2 4	Beyond ALE 1 3	- General N	iote: Static							e car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02 Car Park 03 Car Park 04 Car Park 05 Car Park 05 Car Park 06 Curtilage 01	Better 3 11 6 4 5 7 2 2 4 1	Beyond ALE 1 3	- General N	iote: Static							: car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 01 Car Park 05 Car Park 05 Car Park 05 Car Park 05 Car Park 05 Car Park 05 Curtilage 01 Curtilage 02	Better 3 11 6 4 5 7 2 2 4 1 6	Beyond ALE 1 3	- General N	iote: Static							: Car
All Access Route 01 Access Route 03 Access Route 03 Car Park 03 Car Park 03 Car Park 03 Car Park 04 Car Park 05 Car Park 05 Car Park 06 Curtilage 01 Curtilage 03	Better 3 11 6 4 5 7 2 2 2 4 1 6 1	8eyond ALE 1 3 3	- General N	iote: Static							: car
All Access Route 01 Access Route 02 Access Route 03 Car Park 04 Car Park 03 Car Park 03 Car Park 04 Car Park 05 Car Park 05 Car Park 06 Curtilage 01 Curtilage 03 Curtilage 03 Curtilage 04	Better 3 11 6 4 5 7 2 2 4 1 6 1 4	Beyond ALE 1 3 3 3	- General N	iote: Static							e car (
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02 Car Park 03 Car Park 04 Car Park 05 Car Park 05 Car Park 05 Car Park 06 Curtilage 01 Curtilage 02 Curtilage 04 Curtilage 04 Curtilage 05	Better 3 21 6 4 5 7 2 2 2 4 1 6 1 4 3	Beyond ALE 3 3 3 3	- General N	iote: Static							: car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02 Car Park 03 Car Park 04 Car Park 05 Car Park 05 Car Park 05 Curtilage 01 Curtilage 03 Curtilage 05 Footbridge 01	Better 3 11 6 4 5 7 2 2 4 1 6 1 4 3 13	Beyond ALE 3 3 3 3	- General N	iote: Static							e car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 02 Car Park 03 Car Park 04 Car Park 05 Car Park 05 Car that 05 Curtilage 01 Curtilage 01 Curtilage 03 Curtilage 05 Footbridge 01 Platform 01	Better 3 11 6 4 5 7 2 2 4 1 6 1 6 1 4 3 3 3	Beyond ALE 3 3 3 3	- General N	iote: Static							: car
All Access Route 01 Access Route 03 Access Route 03 Access Route 04 Car Park 01 Car Park 01 Car Park 03 Car Park 04 Car Park 05 Car Park 06 Curtilage 01 Curtilage 01 Curtilage 03 Curtilage 04 Curtilage 05 Footbridge 01 Platform 01 Platform 01 Vaiting Shelter 01	Better 3 11 6 4 5 7 2 2 2 4 1 6 1 6 1 4 3 3 3 3	Beyond ALE 3 3 3 3	- General N	iote: Static							: car
All Access Route 01 Access Route 02 Access Route 03 Access Route 04 Car Park 01 Car Park 05 Car Park 05 Car Park 05 Car Park 06 Curtilage 01 Curtilage 01 Curtilage 02 Curtilage 03 Curtilage 04 Curtilage 05 Footbridge 01 Platform 01 Platform 02	Better 3 11 6 4 5 7 2 2 2 4 1 6 1 6 1 4 3 3 3 1 1 1 2 2 2 2 4 1 5 7 2 2 2 4 1 5 7 2 2 2 4 5 7 2 2 2 4 5 7 2 2 2 4 5 7 2 2 2 4 5 7 7 2 2 2 4 5 7 7 2 2 4 5 7 7 2 2 4 5 7 7 2 2 4 4 5 7 7 2 2 4 4 5 7 7 2 2 4 4 5 7 7 2 4 4 5 7 7 2 2 4 4 5 5 7 7 2 2 4 4 5 5 7 7 2 2 4 4 5 5 7 7 2 4 4 5 5 7 7 2 2 4 4 5 5 7 7 7 2 2 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3	Beyond ALE 3 3 3 3	- General N	iote: Static							e car

44 Grateley (Cat F) [Calculated SSM Variation -1%]

45 Hammerton (Cat F) [Calculated SSM Variation 0%]

Station	HAMME	RTON		SCORE	0.0	20/	1	Network	Rail Survey	31/07	/2007
Date of Visit	21/02/2	8012		SCORE	50	3%		Surveying	tirm	- 10000	00000
Summary	3		-	-			-			-	_
Block	Elements	Audited	- 81	AJIL	MAT	LAY	ОК	ARL %	MATS	LAYN	OK
Access Route 01	8	8	100%	1			1	0%	0%	0%	100
Access Route 02	4	4	100%	1		-	1	25%	0%	0%	755
Building 01	66	5	8%	1			4	2%	0%	0%	981
Canopy 01	13	10	77%	2			8	15%	0%	0%	855
Car Park 01	3	1	100%	1000			3	0%	0%	0%	100
Car Park 02	3	3	100%	1			2	33%	0%	0%	675
Curtilage 01	3	- 1	100%			-	- 1	0%	0%	0%	100
Platform 01	31	27	87%	4	-		23	13%	0%	0%	87
Platform 02	24	23	96%	1			22	4%	0%	0%	965
Waiting Shelter 01	2	2	100%		1		1	0%	50%	0%	505
Total	157	88	56%	10	1	0	77	6%	1%	0%	93
Commentary							_				_
0.55	Measures Better	Measures Beyond ALE	Comment	s							
Block Access Route 01		Beyond	Comment	s							
Block		Beyond ALE	Comment	s							
Block Access Route 01		Beyond ALE 3	Comment	s							
Block Access Route 01 Access Route 02	Better	Beyond ALE 3	Comment	s							
Block Access Route 01 Access Route 02 Building 01	Better	Beyond ALE 3	Comment	s							
Block Access Route 01 Access Route 02 Building 01 Canopy 01	Better	Beyond ALE 3 2	Comment	s							
Block Access Route 01 Access Route 02 Building 01 Canopy 01 Car Park 01	Better	Beyond ALE 3 2	Comment	s							
Block Access Route 01 Access Route 02 Building 01 Canopy 01 Car Park 03 Car Park 02	Better	Beyond ALE 3 2	Comment	s							
Block Access Route 01 Access Route 02 Building 01 Canopy 01 Car Park 02 Car Park 02 Curtilage 01	Better	Beyond ALE 3 2 3 3	Comment	s							
Block Access Route 01 Access Route 02 Building 01 Canopy 01 Car Park 01 Car Park 02 Curtilage 01 Platform 01	Better 1 2 1 7	Beyond ALE 3 2 3 3 3 3	Comment	s 							

46 Haydon Bridge (Cat F) [Calculated SSM Variation +13%]

Station	HAYDON	BRIDGE	Sec. 1	SCORE	00	20/		Network	Rail Survey	v10/12/10	1;29/06/
Date of Visit	13/03/	2012	ar	SLORE	0	0%		Surveying	ç Firm	Amey	/wyg
Summary				-						_	-
Block	Elements	Audited	N	ARL	MAT	LAY	ОК	ARL %	MATS	LAYN	OK
Access Route 01	8	8	100%				8	0%	0%	0%	300
Access Route 02	3	3	100%				3	0%	0%	0%	100
Access Route 03	4	4	100%				4	0%	0%	0%	100
Access Route 04	2	2	100%	1			1	50%	0%	0%	505
Canopy 01	10	10	100%	2		-	8	20%	0%	0%	805
Car Park 01	9	9	100%	1			8	11%	0%	0%	895
Curtilage 01	2	2	100%	1000			2	0%	0%	0%	100
Platform 01	18	18	100%	2	4	1	11	11%	22%	6%	615
Platform 02	34	34	100%	2	1		11	34%	7%	0%	791
Waiting Shelter 01	1	1	100%	Sec. 1			1	0%	0%	0%	100
Total	71	71	100%	8	5	1	57	11%	7%	1%	80
Commentary			_								
Block	Measures Better	Measures Beyond ALE	Comment	s							
Access Route 01	7										
Access Route 02	3										
Access Route 03	3	1									
Access Route 04	1	1.00									
Access Route 04											
Canopy 01		1									
and the state of the second state of the secon	2	1	1								
Canopy 01	2	1									
Canopy 01 Car Park 01	2	1									
Canopy 01 Car Park 01 Curtilage 01		1									
Canopy 01 Car Park 01 Curtilage 01 Platform 01	5	1									

47 Lapworth (Cat F) [Calculated SSM Variation +4%]

Station	LAPWO	REH	See.	SCORE	0-	7%		Network	Rail Survey	05/08	/2011
Dute of Visit	13/03/	2012	OL.	SCORE	0/	70		Surveying	g Firm	Ал	неу
Summary			-	_		_	_				
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAYN	OK
Access Route 01	14	13	93%	1	1		12	7%	0%	0%	931
Access Route 02	4	4	100%	1			3	25%	0%	0%	755
Car Park 01	30		80%	1			7	10%	0%	0%	90
Curtilege 01	1	1	100%	5			1	0%	0%	0%	100
Footbridge 01	45	46	94%	2		-	- 44	4%	0%	0%	96
Platform 01	20	18	90%	10000	2		16	0%	10%	0%	90
Platform 02	26	23	88%		2		21	0%	8%	0%	92
Waiting Shelter 01	6	6	300%	1			5	17%	0%	0%	83
Waiting Shelter 02	6	6	100%				6	0%	0%	0%	100
Total	136	125	92%	6	4	0	109	4%	3%	0%	93
Company of the state of the											
	Measures Better		Comment	5							
Block Access Route 01	Better		Comment	5							
Block	C. C. C. C. C. C.	Beyond	Comment	3							
Block Access Route 01	Better	Beyond	Comment	5							
Block Access Route 01 Access Route 02	Better 3	Beyond	Comment	a							
Block Access Route 01 Access Route 02 Car Park 01	Better 3	Beyond ALE	Comment	5							
Block Access Route 01 Access Route 02 Car Park 01 Curtilege 01	Better 3 2	Beyond ALE	Comment	5							
Block Access Route 01 Access Route 02 Car Park 02 Curtilege 01 Footbridge 01	8etter 3 2 12	Beyond ALE	Comment	3							
Block Access Route 01 Access Route 02 Car Park 01 Curtilege 01 PiotEndge 01 Platform 01	Better 3 2 12 1	Beyond ALE	Comment								
Block Access Route 01 Access Route 02 Car Park 01 Curtilege 01 Flootbridge 01 Platform 02 Platform 02	Better 3 2 12 1 1 3	Beyond ALE	Comment								

48 Larkhall (Cat F) [Calculated SSM Variation +5%]

Station	LARKH	and the second se		SCORE	06	5%		and a local data	Rail Survey	20/01	/2012
Date of Visit	23/02/2	8012		J. Ont	90	0/0		Surveying	Firm	An	неу
Summary			_	_			_				_
Block	Elements	Audited	*	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
All	2	2	100%				2	0%	0%	0%	300
Access Route 01	4	4	100%				4	0%	0%	0%	100
Access Route 02	8		100%					0%	0%	0%	100
Access Route 03	3	3	100%	S			3	0%	0%	0%	100
Platform 01	40	40	100%	2			38	5%	0%	0%	955
Total	57	57	100%	2	0	0	55	4%	0%	0%	96
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	•							
All	2										
Access Route 01	3										
Access Route 02	5		1								
Access Route 03	2										
Platform 01	10		0								
Construction of a											

49 Laurencekirk (Cat F) [Calculated SSM Variation +15%]

Station	LAURENG	EKIRK		and and	0.0	0/	1	Network	tall Survey	28/09	/2011
Date of Visit	02/03/	2012	MB	SCORE	82	2%	1	Surveying	Firm	An	vey
Summary											
Block	Elements	Audited	N	ARL	MAT	LAY	OK	ARL %	MAT %	LAY %	OK
All	3	3	\$00%	0	0	0	3	0%	0%	0%	10
Access Route 02	21	. 14	67%	1	0	0	13	5%	0%	0%	95
Access Route 03	8		100%	1	0	0	7	13%	0%	0%	81
Access Route 04	7	7	100%	1	0	0	6	14%	0%	0%	- 86
Access Route 05	20	19	95%	1	0	3	15	5%	0%	15%	80
Building 01	106	78	24%	21	1	2	54	20%	1%	2%	77
Canopy 01	12	12	100%	5	0	0	7	42%	0%	0%	58
Curtilage 01	6	5	83%	0	1	0	4	0%	17%	0%	83
Curtilage 02	4	4	100%	0	0	0	4	0%	0%	0%	10
Footbridge 01	66	66	100%	7	0	1	58	11%	Q%	- 2%	85
Platform 01	29	29	100%	2	1	1	25	7%	3%	3%	86
Platform 02	35	34	97%	0	1	1	32	0%	3%	3%	- 94
Waiting Shelter 01	2	2	100%	0	0	0	2	0%	0%	0%	10
Total	319	281	88%	39	4	8	230	12%	1%	3%	84
Commentary											
Commentary Block	Measures Better	Measures Beyond ALE	Comment	5							
S	100000000000000000000000000000000000000	Beyond		3							
Block	Better	Beyond ALE									_
Block	Better 1	Beyond ALE 0									
Block All Access Route 02	Better 1 8	Beyond ALE 0		3							
Block All Access Route 02 Access Route 03	8etter 1 0 3	Beyond ALE 0 0		s							
Block All Access Route 02 Access Route 03 Access Route 04	8etter 1 8 3 2	Beyond ALE 0 0 0	Comment	s to store n	ooms						
Block All Access Route 02 Access Route 03 Access Route 04 Access Route 05	8etter 1 0 3 2 7	Beyond ALE 0 0 0 0	Comment		ooms						
Block All Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01	Better 1 0 3 2 7 19	Beyond ALE 0 0 0 0 0 0	Comment		ooms						
Block All Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01	Better 1 0 3 2 7 19 1	Beyond ALE 0 0 0 0 0 0 0 0	Comment		coms						
Block All Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01 Curtilage 01 Curtilage 01	8etter 1 3 2 7 19 1 1	Beyond ALE 0 0 0 0 0 0 0 0 1	Comment		soms						
Block All Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01 Curtilage 01	Better 1 8 3 2 7 19 1 1 1 1	Beyond ALE 0 0 0 0 0 0 0 1 0	Comment		coms						
Block All Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01 Cantogy 01 Curtilage 01 Curtilage 02 Footbridge 01	Better 1 8 3 2 7 19 1 1 1 10	Beyond ALE 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0	Comment		coms						
Block All Access Route 02 Access Route 03 Access Route 04 Access Route 05 Building 01 Canopy 01 Curtilage 01 Curtilage 02 Footbridge 01 Platform 01	Better 1 0 3 2 7 19 1 1 1 10 4	Beyond ALE 0 0 0 0 0 0 0 0 1 0 0 1 0 0 3	Comment		coms						

50 Lingwood (Cat F) [Calculated SSM Variation -3%]

Station	LINGW		and a	SCORE	01	2%		Network	Rail Survey	v06/08/11	
Date of Visit	22/03/	2012	DL.	SCORE	04	. /0		Surveying	Firm	Amey	/ WYG
Summary		_				_	_	-			-
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAYS	OK %
Access Route 01	24	18	75%	9	1		8	38%	4%	0%	58%
Building 01	12	10	83%				10	0%	0%	0%	100%
Building 02	47	39	83%	4			35	9%	0%	0%	91%
Canopy 01	16	13	81%	2			11	13%	0%	0%	88%
Platform 01	22	19	86%	1		1	17	5%	0%	5%	91%
Total	121	99	82%	16	1	1	81	13%	1%	1%	85%
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	5							
Access Route 01	1	8									
Building 01		1									
Building 02		7									
Canopy 01	1	12 12									
Platform 01		2	2			-				-	

51 Maidstone Barracks (Cat F) [Calculated SSM Variation -18%]

Station	Ν	AIDSTONE	BARRACKS			10	00/		Network I	Rail Survey		
Date of Visit		20/03/2	2012	D	SCORE	10	0%		Surveying			
Summary												
Block		Elements	Audited	%	ARL	MAT	LAY	ок	ARL %	MAT %	LAY %	OF
Platform 01		37	37	100%				37	0%	0%	0%	10
Platform 02		36	36	100%				36	0%	0%	0%	10
Total		73	73	100%	0	0	0	73	0%	0%	0%	10
Commentary												
Block		Measures Better	Measures Beyond ALE	Comment	s							
Platform 01												
Platform 02												
Total		0	0									

52 Newcraighall (Cat F) [Calculated SSM Variation +10%]

Station	NEWCRA	GHALL		SCORE	0-	7%		Network	Rail Survey	27/07	/2009
Date of Visit	22/02/	2012		SCORE	0/	/0		Surveying	Firm	Åл	неу
Summary			_	_		_	_	-			_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAY%	OK
All	2	0	0%				0	0%	0%	0%	100
Access Route 01	8		100%	1			7	13%	0%	0%	885
Access Route 02	13	13	100%	1	1		11	8%	2%	0%	855
Access Route 03	3	3	100%	1			3	0%	0%	0%	100
Car Park 01	40	33	83%	3			30	8%	0%	0%	. 935
Platform 01	22	15	68%	1			12	14%	0%	0%	865
Waiting Shelter 01	3	3	100%	1			2	33%	0%	0%	675
Waiting Shelter 02	3	3	100%	1	1		2	33%	0%	0%	675
Total	91	75	82%	9	1	0	65	10%	1%	0%	89
Commentary											
	Measures Better	Measures Beyond ALE	Comment	\$							
Commentary Block All		Beyond	Comment	5							
Block		Beyond	Comment	5							
Block	Better	Beyond ALE	Comment	3							
Block All Access Route 01	Better 5	Beyond ALE 1	Comment	3							
Block All Access Route 01 Access Route 02	Better 5	Beyond ALE 1	Comment	3							
Block All Access Route 01 Access Route 02 Access Route 03	Better 5 7	Beyond ALE 1 1	Comment	5							
Block All Access Route 01 Access Route 02 Access Route 03 Car Park 01	8etter 5 7 13	Beyond ALE I 1 1	Comment	s							
All Access Route 01 Access Route 02 Access Route 03 Car Park 01 Platform 01	Better 5 7 13 2	Beyond ALE I 1 1	Comment	s							

53 Ridgemont (Cat F) [Calculated SSM Variation -13%]

Station	RIDGEN		1.11	SCORE	63	3%		and the second s	Rail Survey		/2009
Date of Visit	20/03/	2012	JD		0.	//0	-	Surveying	Firm	An	неу
Summary				_	_	_	_	_	_		_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL%	MAT%	LAYN	OK
Access Route 01	6	6	300%	2			4	33%	0%	0%	67%
Access Route 02	6	6	100%	2			4	33%	0%	0%	675
Curtilage 01	1	1	100%	1		2	0	33%	0%	67%	0%
Platform 01	23	22	96%	4			18	17%	0%	0%	83%
Platform 02	21	21	100%	7		1	13	33%	0%	5%	625
Waiting Shelter 01	2	2	100%	2			0	100%	0%	0%	0%
Waiting Shelter 02	2	2	100%	2			0	100%	0%	0%	0%
Total	63	62	98%	20	0	3	39	32%	0%	5%	63
			1					1			1
Commentary	3			1				-			
Block	Measures		Comment	5							
	100.000	ALE									
Access Route 01	-	ALE									
and the second second reaction of the second s		ALE 1									
Access Route 02		1000									
Access Route 02		1000									
Access Route 02 Curtilage 01		1									
Access Route 02 Curtilage 01 Platform 01 Platform 02 Waiting Shelter 01		1									
Access Route 02 Curtilage 01 Platform 01 Platform 02		1 2 4									

54 Sileby (Cat F) [Calculated SSM Variation +4%]

Station Date of Visit	SILCI 29/02/2		10	SCORE	81	.%	-	Network	tall Survey Firm		/2007 YG
Summary	_										
Block	Elements	Audited		ARL	MAT	LAY	OK	ARL %	MAT %	LAY%	OK
Access Route 01	14	14	100%	4			10	29%	0%	0%	713
Access Route 02	22	22	100%	4	1	1	17	18%	5%	0%	779
Platform 01	22	22	100%	4		1	18	18%	0%	0%	#25
Platform 02	20	20	100%	2			18	10%	0%	0%	905
Total	78	78	100%	14	1	0	63	18%	1%	0%	81
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	3							
Access Route 01	1	1									
Access Route 02	5	3									
Platform 01		1									
Platform 02	1	1									

Station	ST BE	ES		SCORE	00	5%		Network	Rail Survey	21/11	/2011
Date of Visit	20/02/	2012		acona	00	0/0		Surveying	firm	An	ney
Summary			-	-			-				_
Block	Elements	Audited	- 56	ARL	MAT	LAY	ОК	ARL %	MATS	LAYN	OK
Access Route 01	3	1	100%	2			1	67%	0%	0%	335
Car Park 01	7	7	100%	1			6	14%	0%	0%	857
Custilage 01	4	4	100%				4	0%	0%	0%	100
Curtilage 02	4	4	100%				4	0%	0%	0%	100
Footbridge 01	23	21	91%	5			16	22%	0%	0%	785
Platform 01	27	25	93%			2	23	0%	0%	7%	935
Platform 02	28	25	89%	2	1	1	21	7%	4%	4%	865
Waiting Shelter 01	5	5	100%				5	0%	0%	0%	100
Waiting Shelter 02	5	5	100%				5	0%	0%	0%	100
Total	106	99	93%	10	1	3	85	9%	1%	3%	87
Commentary Block	Measures Better	Measures Beyond ALE	Comment	ls.							
Access Route 01	-	1	-								
Car Park 01	2										
Curtilage 01	3										
Curtilage 02	2										
Footbridge 01	5										
	6	4									
Footbridge 01		4 4									
Footbridge 01 Platform 01 Platform 02 Waiting Shelter 01	6										
Footbridge 01 Platform 01 Platform 02	6										

55 St Bees (Cat F) [Calculated SSM Variation +5%]

56 Stone (Cat F) [Calculated SSM Variation -15%]

Station Date of Visit	STON 19/01/2		aD Dia	SCORE	74	1%		Network	Rail Survey Firm		_
Summary											_
Block	Elements	Audited	%	ARL	MAT	LAY	ок	ARL %	MAT%	LAY %	OK
Canopy 01	15	15	100%	6	0	0	9	40%	0%	0%	605
Footbridge 01	33	33	100%	9	4	0	20	27%	12%	0%	615
Platform 01	19	19	100%	1	0	0	16	16%	0%	0%	845
Platform 62	17	17	100%	0	0	0	17	0%	0%	0%	100
Total	84	84	100%	18	4	0	62	21%	5%	0%	74
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment								
Canopy 01	0	0	Drainage 8	oox defect	against bu	ilding					
Footbridge 01	2	7									
Platform 01	1	2									
Platform 02	3	Ű									
	6	9									

57 Yetminster (Cat F) [Calculated SSM Variation +1%]

Station	YETMIN		1.00	SCORE	77	7%		and a second sec	Rail Survey		/2008
Dute of Visit	09/03/	2012	OL		- / /	70		Surveying	g Firm	Lea	vers
Summary					_		_	-			_
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
Access Route 01	14	13	93%		2	2	9	0%	14%	14%	715
Access Route 02	8		100%					0%	0%	0%	1009
Access Route 03	- 34	13			- (4						
Building 01	80	40	50%	.5			35	6%	0%	0%	94%
Platform 01	30	26	87%	3	1	-	22	10%	3%	0%	875
Platform 02	34	34	100%	1			13	7%	0%	0%	935
Waiting Shelter 01	5	5	100%	1000			5	0%	0%	0%	1005
Total	165	119	72%	9	7	2	92	5%	4%	1%	895
				-	_	_					
Commentary	3		4								
Block	Measures Better	Measures Beyond ALE	Comment	B.							
Access Route 01	6	1									
Access Route 02	8										
Access Route 03	9										
Building 01	11	1									
Platform 01	9	1.									
C HARLING HIS NYA											
Platform 02											
	2										

1 Ayr Townhead Depot [Calculated LMDSM Variation -5%]

Station	Ayr Town			SCORE	0.	1%		Network	Rail Survey	27/07	/200
Date of Visit	23/02/2	2012	1	Scone	0.	L /0		Surveying	g Firm	Ал	неу
Summary	3.5										-
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MAT%	LAYN	.01
All	3	0	0%	1			0	0%	0%	0%	30
CET 01	6	4	67%				4	0%	0%	0%	20
Carriage Washer 01	6	4	67%	1			3	17%	0%	0%	
Insp / Maint Pit 01	24	24	100%	5			19	21%	0%	0%	7
Road 1	3	3	100%	1			2	33%	0%	0%	6
Carriage Washer	3	1	100%				3	0%	0%	0%	30
Points ladder 3457	3	3	100%	1			2	33%	0%	0%	6
Road 2	530	3	100%	1			2	33%	0%	0%	6
Road 3	3	3	100%	-		-	3	0%	0%	0%	10
Road 4	3	2	67%	1			1	33%	0%	0%	6
Road 5	3	3	100%	1			2	33%	0%	0%	6
Points ladder 469	3	3	100%	1			2	33%	0%	0%	6
Road 6	3	1	100%		-		1	0%	0%	0%	- 10
Road 7	3	- 3	100%			-	3	0%	0%	0%	10
Road 8	3	3	100%	1	-		2	33%	0%	0%	6
Road 9	3	1	100%	-	-		3	0%	0%	0%	30
	75	67	89%	13	0	0	54	17%	0%	0%	8
Total	13	07	03/0	10		-		A/70	0/5	9/8	
Commentary	13		03/6	13				1/76	04	0/1	
	Measures	Measures Beyond ALE	Commen	2				1/70	VA		
Commentary	Measures	Measures Beyond		2				1/70	VA		
Commentary Block	Measures	Measures Beyond		2				1/70	04	0/1	
Commentary Block All CET 01	Measures Better	Measures Beyond		2				1/78	VA	0/1	
Commentary Block All CET 01 Carriage Washer 01	Measures Better	Measures Beyond ALE		2				1/70	VA		
Commentary Block All CET 01 Carriage Wather 01 Irop / Maint Pit 01	Measures Better	Measures Beyond		2				1/70	0.4		
Commentary Block All CET 01 Carriage Washer 01 Irosp / Maint Pit 01 Road 1	Measures Better	Measures Beyond ALE		2				1/70	0.4		
Commentary Block All CET 01 Carriage Washer 01 Insp./ Maint Pit 01 Road 1 Carriage Washer	Measures Better	Measures Beyond ALE		2				1/70	0.4		
Commentary Block All CET 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Carriage Washer Points ladder 3457	Measures Better	Measures Beyond ALE		2				1/70	0.4		
Commentary Block All CET 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Carriage Washer Points ladder 3457 Road 2	Measures Better	Measures Beyond ALE		2			~	1/2	0/8		
Commentary Block All CET 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Carriage Washer Points ladder 3457 Road 2 Road 3	Measures Better	Measures Beyond ALE		2			~	1/78			
Commentary Block All CIT 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Carriage Washer Points ladder 3457 Road 2 Road 3 Road 4	Measures Better	Measures Beyond ALE		2				1/2			
Commentary Block All CIT 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Carriage Washer Points ladder 3457 Road 2 Road 3 Road 4 Road 5	Measures Better	Measures Beyond ALE		2				1/2			
Commentary Block All CET 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Carriage Washer Points ladder 3457 Road 2 Road 3 Road 4 Road 5 Points ladder 469	Measures Better	Measures Beyond ALE		2				1/2			
Commentary Block All CET 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Road 2 Road 3 Road 4 Road 5 Points ladder 469 Road 6	Measures Better	Measures Beyond ALE		2				1/2			
Commentary Block All CET 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Carriage Washer Points ladder 3457 Road 2 Road 3 Road 4 Road 5 Points ladder 469 Road 6 Road 6 Road 7	Measures Better	Measures Beyond ALE		2				1/2			
Commentary Block All CET 01 Carriage Washer 01 Insp / Maint Pit 01 Road 1 Road 2 Road 3 Road 4 Road 5 Points ladder 469 Road 6	Measures Better	Measures Beyond ALE		2							

2 Birkenhead North Depot [Calculated LMDSM Variation -11%]

Station	Birkenhead N	and the second		SCORE	7/	1%	-	- Bernsteinen in einer	Rall Survey		/2011
Date of Visit	29/92/	2012	GH		/-	+/0		Surveying	Firm	An	ney
Summary											
Block	Elements	Audited	%	ARL.	MAT	LAY	OK	ARL%	MAT%	LAY %	0
Access Route 01	66	44	67%	10	8 - L	5	29	15%	0%	8%	77
Access Route 02	12	0	0%			1000	0	0%	.0%	0%	10
Access Route 03	22	3	14%		1		3	0%	0%	0%	10
Apron 01		7	88%	2			5	25%	0%	0%	75
Apron 02	3	1	100%			1	3	0%	0%	0%	10
Apron 03	14	14	100%	3		4	7	21%	0%	29%	- 54
Building 03	11	12	39%	-			12	0%	0%	0%	10
Building 04	185	180	57%		7	1	164	4%	4%	1%	90
Building 05	122	114	93%	20	2		92	16%	2%	0%	82
Building 06	236	157	67%	41		-	116	17%	0%	0%	80
Car Park 01	20	16	80%	4		-	12	20%	0%	0%	- 84
Car Park 02	11	0	0%			-	0	0%	0%	0%	10
Car Park 03	4	1	75%			-	1	0%	0%	0%	10
and the second se		a contract of the local division of the loca	79%	-			-	0%	and the second se	0%	a complete
Curtilage 05	14	11	and the local data of the loca		-	-	11	and inclusion in which the	0%		10
Curtilage 02	15	0	0%			-	0	0%	0%	0%	10
Curtilage 03	6	0	0%		1.00		0	0%	0%	0%	10
Depot Shed 01	582	571	58%	69	21	104	377	12%	4%	18%	- 63
Insp pit 01	11	11	100%	2		-	9	18%	0%	0%	
Inspipit 02	10	10	100%				10	0%	0%	0%	10
Insp pit 03	13	33	100%	- 4		-	.9	31%	0%	0%	- 40
Insp pit 04	15	14	93%	3	1	1	11	20%	0%	0%	80
Insp pit 05	15	14	93%	2	-	1.000	12	13%	0%	0%	87
Insp pit 06	15	14	93%	4		1	10	27%	0%	0%	73
Insp pit 07	14	13	90%	5			- 4	36%	0%	0%	64
Track Data	28	28	100%	-	Q (2)	1.1	28	0%	0%	0%	10
Total	1475	1252	85%	177	30	114	931	12%	2%	8%	7
Commentary					50		331	44.70		0.0	
Commentary	Measures	Measures					331	44.70		0.0	
							331	44.10		0/0	
Commentary Block	Measures Better	Measures Beyond					751	44.75		0.0	
Commentary Block Access Route 01	Measures	Measures Beyond ALE	Comment	5			731			0.0	
Commentary Block Access Route 01 Access Route 02	Measures Better 15	Measures Beyond ALE	Comment Not on dr	s			731	46.70		0.0	
Commentary Block Access Route 01 Access Route 02 Access Route 03	Measures Better 15	Measures Beyond ALE	Comment	s			751	46.00		0.0	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01	Measures Better 15	Measures Beyond ALE	Comment Not on dr	s				4670		0.0	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02	Measures Better 15 1 1	Measures Beyond ALE	Comment Not on dr	s			751			0.0	
Commentary Block Access Route 01 Access Route 03 Access Route 03 Apron 01 Apron 02 Apron 03	Measures Better 15	Measures Beyond ALE	Comment Not on dr	s			771			0.0	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02 Apron 03 Building 03	Measures Better 15 1 1 1 4	Measures Beyond ALE	Comment Not on dr	s			771		2.75	0.12	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02 Apron 03 Building 03 Building 04	Measures 8etter 15 1 1 4 65	Measures Beyond ALE	Comment Not on dr	s			771			0.9	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 02 Apron 02 Apron 03 Building 03 Building 04 Building 05	Measures 8etter 15 1 1 1 4 65 22	Measures Beyond ALE 7	Comment Not on dr	s						0.9	
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02 Apron 03 Building 03 Building 04 Building 05 Building 05	Measures Better 15 1 1 1 4 65 12 21	Measures Beyond ALE 7	Comment Not on dr	s							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 03 Apron 03 Building 03 Building 05 Building 05 Building 05 Building 06 Car Park 01	Measures 8etter 15 1 1 1 4 65 22	Measures Beyond ALE 7	Comment Not on dr	s							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02 Apron 03 Building 03 Building 04 Building 05 Building 06 Car Park 03 Car Park 03	Measures 8etter 15 1 1 1 4 65 22 23 3	Measures Beyond ALE 7	Comment Not on dr	s							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02 Apron 03 Building 03 Building 04 Building 05 Building 06 Car Park 02 Car Park 02 Car Park 03	Measures Better 15 1 1 1 4 65 12 21 3 3 1	Measures Beyond ALE 7	Comment Not on dr	s							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 02 Apron 02 Apron 03 Building 03 Building 04 Building 05 Building 06 Car Park 01 Car Park 02 Car Park 03 Curtillage 01	Measures 8etter 15 1 1 1 4 65 22 23 3	Measures Beyond ALE 7	Comment Not on dr	s awing awing							
Commentary Block Access Route 01 Access Route 02 Acron 03 Apron 02 Apron 03 Building 03 Building 04 Building 04 Building 06 Car Park 03 Car Park 03 Car Park 03 Curtilage 01 Curtilage 02	Measures Better 15 1 1 1 4 65 12 21 3 3 1	Measures Beyond ALE 7	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 03 Building 03 Building 03 Building 05 Building 05 Building 05 Building 05 Building 05 Building 05 Car Park 01 Car Park 02 Car Park 03 Curtilage 03	Measures Better 15 1 1 1 4 65 12 21 3 - - - - - - - - - - - - - - - - - -	Measures Beyond ALT 7 2 2 2	Comment Not on dr	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 03 Building 03 Building 04 Building 05 Building 06 Car Park 03 Car Park 03 Car Park 03 Curtilage 01 Curtilage 03 Depot Shed 01	Measures Better 15 1 1 4 65 12 21 3 3 1 2 1 2 1 2 1 2 1 2 1 3 4 2 1 2 1 2 1 2 1 2 1 3 3 1 1 2 1 2 1 2 1	Measures Beyond ALE 7 2 2 2 2 36	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 03 Building 03 Building 03 Building 04 Building 05 Building 05 Building 06 Car Park 01 Car Park 02 Car Park 03 Curtilage 02 Curtilage 03 Depot Shed 01 Inisp pit 01	Measures Better 15 1 1 1 4 65 12 21 3 - - - - - - - - - - - - - - - - - -	Measures Beyond ALT 7 2 2 2	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02 Apron 03 Building 03 Building 03 Building 04 Building 05 Building 06 Car Park 01 Car Park 02 Car Park 03 Curtilage 01 Curtilage 01 Curtilage 03 Depot Shed 01 Intip pit 02	Measures Better 15 1 1 4 65 12 21 3 3 1 2 1 2 1 2 1 2 1 2 1 3 4 2 1 2 1 2 1 2 1 2 1 3 3 1 1 2 1 2 1 2 1	Measures Beyond ALE 7 2 2 2 2 36	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 03 Building 03 Building 04 Building 05 Building 06 Car Park 03 Car Park 03 Car Park 03 Curtilage 01 Curtilage 03 Depot Shed 01	Measures Better 15 1 1 4 65 12 21 3 3 1 2 1 2 1 2 1 2 1 2 1 3 4 2 1 2 1 2 1 2 1 2 1 3 3 1 1 2 1 2 1 2 1	Measures Beyond ALE 7 2 2 2 2 36	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02 Apron 03 Building 03 Building 04 Building 04 Building 05 Building 06 Car Park 01 Car Park 01 Car Park 03 Curtilage 01 Curtilage 02 Curtilage 03 Depot Shed 01 Insp pit 02	Measures 8etter 15 1 1 1 4 65 12 21 3 1 2 21 3 1 2 21 3 42 1	Measures Beyond ALE 7 2 2 2 2 36	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 03 Apron 03 Building 03 Building 03 Building 03 Building 05 Building 06 Car Park 03 Car Park 03 Curtilage 01 Curtilage 01 Curtilage 03 Depot Shed 01 Imsp pit 02 Insp pit 03	Measures 8etter 15 1 1 1 4 65 12 21 3 1 2 21 3 1 2 21 3 42 1	Measures Beyond ALE 7 2 2 2 2 36	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 02 Apron 03 Building 03 Building 04 Building 05 Building 06 Car Park 01 Car Park 02 Car Park 02 Cartilage 03 Curtilage 03 Depot Shed 01 Insp pit 03 Insp pit 03 Insp pit 03 Insp pit 03	Measures 8etter 15 1 1 1 4 65 12 21 3 1 2 21 3 1 2 21 3 42 1	Measures Beyond ALE 7 2 2 2 2 36	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 03 Building 03 Building 04 Building 05 Building 06 Car Park 01 Car Park 01 Car Park 02 Car Park 03 Curtilage 01 Curtilage 03 Depot Shed 01 Insp pit 02 Insp pit 03 Insp pit 04 Insp pit 04 Insp pit 04	Measures 8etter 15 1 1 1 4 65 12 21 3 1 2 21 3 1 2 21 3 42 1	Measures Beyond ALE 7 2 2 2 2 36	Comment Not on dri Not on dri not on dri	s awing awing iwing							
Commentary Block Access Route 01 Access Route 02 Access Route 03 Apron 01 Apron 03 Building 03 Building 03 Building 04 Building 05 Building 05 Building 06 Car Park 01 Car Park 01 Car Park 02 Car Park 02 Car Park 03 Curtilage 03 Curtilage 03 Depot Shed 01 Imp pit 03 Imsp pit 03 Imsp pit 05 Imsp pit 05 Imsp pit 05 Imsp pit 05 Imsp pit 05	Measures 8etter 15 1 1 1 4 65 12 21 3 1 2 21 3 1 2 21 3 42 1	Measures Beyond ALE 7 2 2 2 2 36	Comment Not on dri Not on dri not on dri	s awing awing iwing							

Station Date of Visit	BLETCHLE 20/03/	section of the section of the section of the		SCORE	81	1%	-	Network	Rail Survey	23/00	/205 hey
Date of white	20(W)	evia		_	_			Sarreying	, earn		icy
Summary		_						_			
Block	Elements	Audited	N	ARL	MAT	LAY	ОК	ARL %	MAT%	LAY%	0
Access Route 01	35	30	86%	8		3	19	23%	0%	9%	9
Access Route 02	14	14	100%	5		1		36%	0%	2%	.5
Access Route 03	1	3	100%				3	0%	0%	0%	10
Access Route 04	5	5	100%	1		2	2	20%	0%	40%	4
Apron 01	2	2	100%	1			1	50%	0%	0%	3
Apron 02	36	36	100%	2			14	13%	0%	0%	- 8
Apron 03	8	8	100%	2	1		5	25%	13%	0%	6
Apron 04	- 4	4	100%				4	0%	0%	0%	10
Apron 05	4	4	100%	1			3	25%	0%	0%	7
Apron 06	4	4	100%	S			4	0%	0%	0%	10
Apron 07	3	3	100%	1			2	33%	0%	0%	6
Apron 08	30	30	100%	4			6	40%	0%	0%	. 6
Apron 09	7	7	100%	4			- 3	57%	0%	0%	4
Apron 10	12	12	100%	1		-	11	85	0%	0%	. 9,
Building 01	87	49	56%	14	5	1	29	16%	6%	1%	7
Building 02	12	1	67%	2			6	17%	0%	0%	8
Building 03	21	19	90%	3	1.1	1.1.1	16	14%	0%	0%	- 8
Building 04	33	32	97%	5	1	1	25	15%	3%	3%	7
Building 05	13	7	-54%				7	0%	0%	0%	10
Building 06	29	20	69%	4	1		15	14%	3%	0%	8
Building 07	30	21	20%	4		1	16	13%	0%	3%	. 8
Building 08	318	293	92%	44	3	1	245	14%	1%	0%	8
Building 09	28	26	93%	6		1.10	20	21%	0%	0%	27
Building 10	56	47	84%	12		1	34	21%	0%	2%	7
Building 11	15	15	100%	1			14	7%	0%	0%	. 9
Building 12	15	12	80%	2			10	13%	0%	0%	E
Canopy 01	34	- 14	100%		-		14	0%	0%	0%	10
Car Park 01	16	16	100%	2		2	12	13%	0%	13%	7
Carriage Washer 01	10	. 9	90%	1	1	1.1	7.	10%	10%	0%	B
Depot Shed 01	919	841	92%	102	23	40	676	11%	3%	4%	1
Fuelling 01	18	16	89%	4			12	22%	0%	0%	7
Insp pit 01	7	7	100%				7	0%	0%	0%	10
Insp pit 02	8	8	100%	1			7	13%	0%	0%	8
Insp pit 03	12	12	100%				12	0%	0%	0%	10
Insp pit 04	12	12	100%	1			11	8%	0%	0%	9
Non-Pass Platf 01	12	12	100%	3			9	25%	0%	0%	7
Sidings 01	9	7	78%				7	0%	0%	0%	- 10
Sidings 02	10	10	100%				10	0%	0%	0%	10
Track Data	120	120	100%	-			120	0%	0%	0%	- 10
Total	1951	1755	90%	241	35	53	1426	12%	2%	3%	8

3 Bletchley Depot [Calculated LMDSM Variation -8%]

Bletchley Depot (continued)

Station	BLETCHLEY	DEPOT		SCORE	01		Network	Rail Survey	23/06/	20
Date of Visit	20/03/:	2012		SCORE	LQ	<mark>.%</mark>	Surveying	g Firm	Ame	ey
Commentary										
Block	Measures Better	Measures Beyond ALE	Comments							
Access Route 01	5	3	Part of the	access rol	ute appear	rs to have ber	n given over to Car	illion for the	ir training	f
Access Route 02	1	2								
Access Route 03	1									
Access Route 04	1									
Apron 01										
Apron 02	4	1								
Apron 03										
Apron 04	1	1								
Apron 05										
Apron 06	1									
Apron 07										Ĩ
Apron 08		2								
Apron 09		3								
Apron 10	3	1								
Building 01	1	5								
Building 02										
Building 03	4	1								
Building 04	1	4								
Building 05										
Building 06	2	2								Ī
Building 07	1	3								
Building 08	8	30								
Building 09	1	3								
Building 10	1									Ī
Building 11	2									
Building 12										
Canopy 01		3								
Car Park 01	5	1								
Carriage Washer 01			Asset calle	d up not i	n table.					Ĩ
Depot Shed 01	86	36	EX 17-22 + F	RO8 locati	ons NOT O	N DRAWING				
Fuelling 01		1								
Insp pit 01										Ĩ
Insp pit 02										
Insp pit 03										Ī
Insp pit 04										
Non-Pass Plat 01		1								
Sidings 01		2								
Sidings 02										
Track Data	4									
	133	105								-

4 Corkerhill Depot [Calculated LMDSM Variation +1%]

Station	CORKERHIL	LDEPOT		SCORE	0/	-0/	1	Network	Rail Survey	31/08	/200
Date of Visit	12/04/2	2012		score	80	5%	1	Surveying	firm	An	неу
Summary							_	-			_
Block	Elements	Audited	- 56	AJIL	MAT	LAY	ок	ARL %	MATS	LAYN	0
All	2	2	100%	1			1	50%	0%	0%	5
CET 01	11	10	91%			10	0	0%	0%	91%	- 9
Carriage Washer 01	18	14	78%	9		1	4	50%	0%	6%	- 4
Depot Shed 01	81	81	100%	8	1	1	71	10%	1%	1%	
Depot Shed 02	248	242	98%	15	.3	7	217	6%	1%	3%	- 9
Depot Shed 03	30	30	100%	-260346-1	2	1.1.1	28	0%	7%	0%	. 3
Depot Shed 04	32	32	100%	1	2		30	0%	6%	0%	. 9
Fueiling 01	10	7	70%		1		6	0%	10%	0%	.9
Inspection Pit 01	5	8	100%				8	0%	0%	0%	10
Inspection Pit 02	7	7	100%				7	0%	0%	0%	- 30
Inspection Pit 03	9	9	100%	-			9	0%	0%	0%	. 10
Inspection Pit 04	4	. 4	100%	1			4	0%	0%	0%	10
Total	460	446	97%	33	9	19	385	7%	2%	4%	8
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	s							
All	<u> </u>										
2.000 P.C											
CET 01											
CET 01 Carriage Washer 01	5		-								
	38	5	_								_
Carriage Washer 01	38	5 23									
Carriage Washer 01 Depot Shed 01											
Carriage Washer 01 Depot Shed 01 Depot Shed 02	49	23									_
Carriage Washer 01 Depot Shed 01 Depot Shed 02 Depot Shed 03	49	23									
Carriage Washer 01 Depot Shed 01 Depot Shed 02 Depot Shed 03 Depot Shed 04	49	23									
Carriage Washer 01 Depot Shed 01 Depot Shed 02 Depot Shed 03 Depot Shed 04 Fuelling 01	49 4 6	23									
Carriage Washer 01 Depot Shed 01 Depot Shed 02 Depot Shed 03 Depot Shed 04 Fuelling 01 Inspection Pit 01	49 4 6 5	23									
Carriage Washer 01 Depot Shed 01 Depot Shed 02 Depot Shed 03 Depot Shed 04 Fuelling 01 Inspection Pit 01 Inspection Pit 02	49 4 6 5 5	23									

5 Derby Etches Park Depot [Calculated LMDSM Variation -3%]

Station	Etches Par	kLMD		and the second	70	0/		Network	tall Survey	28/03	/2007
Date of Visit	28/02/2	2012	GH	SCORE	/5	9%		Surveying	Firm	An	ney
Summary						-	-	-			-
Block	Elements	Audited	%	ARL	MAT	LAY	OK	ARL%	MAT %	LAY %	OK 9
All	4	4	100%	-	2	4	0	0%	0%	100%	0%
CET 01	5	0	0%				0	0%	.0%	0%	1005
CET 02	5	0	0%		_	-	0	0%	0%	0%	1005
Carriage Washer 01	.9	7	70%	5			2	56%	0%	0%	44%
Carriage Washer 02	2	2	100%	1			1	50%	0%	0%	50%
Depot Shed 01	437	413	95%	123	3	7	280	28%	1%	2%	705
Depot Shed 02	0	0	0%				0	#Ditv/01	#DIV/08	#Drv/01	#DIV/
Depot Shed 03	95	- 91	96%	25	6		60	26%	6%	0%	675
Fuelling 01	2	0	0%		-	-	0	0%	0%	0%	1005
Fuelling 02	17	12	71%	1		1	.9	18%	0%	0%	82%
Insp pit 01	0	0	0%			_	0	#DIV/01	#D(V/01	#DIV/01	#DIV/
Insp pit 02	6	6	100%	3		-	3	50%	0%	0%	50%
Insp pit 03	6	6	100%	3	_	_	1	30%	0%	-0%	505
Insp pit 04	10	10	100%	3		· · · · · · ·	7	30%	0%	0%	205
Insp pit 05	10	10	100%	1		-	7	30%	0%	0%	70%
insp pit 06	10	9	90%	3		2	6	30%	0%	0%	70%
Insp pit 07	7	6	86%			1	6	0%	0%	0%	1005
Insp pit 08	7	6	86%		1	1	6	0%	0%	0%	1005
Track Data	345	345	100%				345	0%	0%	0%	1005
Total	977	927	95%	172	9	11	735	18%	1%	1%	805
					-						
Commentary											
		Measures									
1.000											
Block	Measures Better	Beyond	Comment	ts							
20 C		Beyond ALE	and the second second	ts							
All CET 01			and the second second	ts .							
All CET 01.			and the second second	ts							
All CET 01 CET 02			and the second second	5							
All CET 01 CET 02 Carriage Washer 01			and the second second								
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02	Better	ALE	and the second second	5							
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02 Depot Shed 01			and the second second								
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02 Depot Shed 01 Depot Shed 02	Better 45	64	and the second second	ts							
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03	Better	ALE	and the second second	ts							
All CET 01 CET 02 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03 Fuelling 01	45 7	64 8	and the second second	ts							
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02 Depot Shed 01 Depot Shed 03 Evelling 01 Fuelling 02	Better 45	64	and the second second								
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03 Fuelling 03 Fuelling 02 insp pit 01	45 7	64 8	and the second second								
All CET 01 CET 02 Carriage Washer 02 Carriage Washer 02 Depot Shed 01 Depot Shed 03 Fuelling 03 Fuelling 02 Inisp pt 01 Inisp pt 02	45 7	ALE 64 8	and the second second								
All CET 01 CET 02 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03 Fuelling 03 Fuelling 03 Fuelling 02 Insp pt 01 Insp pt 02 Insp pt 03	45 7 3	64 8	and the second second								
All CET 01 CET 02 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03 Fuelling 03 Fuelling 02 Insp pt 01 Insp pt 03 Insp pt 03 Insp pt 03 Insp pt 03	45 7 3	ALE 64 8	and the second second								
All CET 01 CET 02 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03 Fuelling 03 Fuelling 03 Fuelling 03 Fuelling 03 Inisp pt 01 Inisp pt 03 Inisp pt 03 Inisp pt 04 Inisp pt 05	45 7 3	ALE 64 8	and the second second								
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03 Fuelling 02 Fuelling 02 Insp pit 01 Insp pit 02 Insp pit 04 Insp pit 05 Insp pit 06	45 7 3 2 2	ALE 64 8	and the second second								
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02 Depot Shed 01 Depot Shed 03 Puelling 01 Fuelling 02 Insp pit 02 Insp pit 03 Insp pit 03 Insp pit 05 Insp pit 06 Insp pit 06 Insp pit 07	45 7 3	ALE 64 8	and the second second								
All CET 01 CET 02 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03 Foelling 03 Foelling 02 Insp pt 01 Insp pt 03 Insp pt 03 Insp pt 05 Insp pt 06 Insp pt 06 Insp pt 07 Insp pt 08	45 7 3 2 2	ALE 64 8	and the second second								
All CET 01 CET 02 Carriage Washer 01 Carriage Washer 02 Depot Shed 01 Depot Shed 02 Depot Shed 03 Fuelling 01 Fuelling 02 Insp pit 01 Insp pit 03 Insp pit 03 Insp pit 05 Insp pit 06 Insp pit 06 Insp pit 07	45 7 3 2 2	ALE 64 8	and the second second								

6 Fratton Depot [Calculated LMDSM Variation +2%]

Station	FRATTON	DEPOT		SCORE	70	:0/		Network	Rail Survey	28/09	/2007
Date of Visit	22/03/	2012		SCORE	/0	5%		Surveying	Firm	Ал	неу
Summary											-
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
All	6	6	100%	5	1		1	83%	0%	0%	179
CET 01	7	6	86%	3			3	43%	0%	0%	:579
CET 02	5	4	80%			3	1	0%	0%	60%	405
CET 03	8	7	88%	4			3	50%	0%	0%	505
Carriage Washer 01	17	17	100%	1			16	6%	0%	0%	945
Depot Shed 01	362	328	95%	68	6	. 9	245	19%	2%	2%	779
Fueiling 01	27	24	89%	10	100		14	37%	0%	0%	631
Inspection Pit 01	30	10	300%	2				20%	0%	0%	805
Inspection Pit 02	30	10	100%	1			9	10%	0%	0%	905
Track Data	87	78	90%	1	4	3	70	1%	5N	3%	915
Total	539	490	91%	95	10	15	370	18%	2%	3%	78
Commentani											
Commentary Block	Measures Better	Measures Beyond ALE	Comment	ts.							
5005 ^{(k} 1		Beyond	Comment	ts							
Block		Beyond	Comment	is							
Block		Beyond	Comment	ts							
Block All CET 01		Beyond	Comment	ts							
Block All CET 01 CET 02		Beyond	Comment	ts							
Block All CET 01 CET 02 CET 03	Better	Beyond	Comment	is							
Block All CET 01 CET 02 CET 02 CET 03 Carriage Washer 01	Better	Beyond ALE	Comment	is							
Block All CET 01 CET 02 CET 02 CET 03 Carriage Wather 01 Depot Shed 01	Better 6 111	Beyond ALE 15	Comment	ls							
All CET 01 CET 02 CET 03 CET 03 Cerriage Washer 01 Depot Shed 01 Fuelling 01	Better 6 111 3	Beyond ALE 15	Comment	IS							
Block All CET 03 CET 02 CET 03 Carriage Washer 01 Depot Shed 01 Fuelling 03 Inspection Pit 01	Better 6 111 5 4	Beyond ALE 15	Comment	15							

7 Orpington Depot [Calculated LMDSM Variation -4%]

Station	ORPINGTO		1.1.1	SCORE	77	2%		and a second sec	Rail Survey	18/05	/2007
Date of Visit	21/03/2	2012	јан		14	2.70		Surveying	r Firm	Ал	неу
Summary	_		-								-
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	OK
Carriage Washer 01	17	13	76%	1	2		10	6%	12%	0%	82%
Track Data	12	12	100%	4			82	33%	0%	0%	67%
Total	29	25	86%	5	2	0	18	17%	7%	0%	765
Companyation:			in a courte				10-1-1-0				
Commentary Block	Measures Better	Measures Beyond ALE	Comment	в [.]							
Carriage Washer 01	3										
Track Data		1. Contraction 1. Con	5								
	3										_

8 Perth Depot [Calculated LMDSM Variation +15%]

Station Date of Visit	-	Perth 1 24/02/		-	SCORE	93	3%		Network	Rail Survey	27/00 An	
Date of white		24023	evit .		-	-	-		Sarreying			1
Summary					_				_			
Block		Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATS	LAYN	
All		5	2	40%	1		-	1	20%	0%	0%	t
CET 01		8	5	63%	1			4	13%	0%	0%	t
Carriage Washer 01		. 9	0	0%				0	0%	0%	0%	t
Depot Shed 01		503	496	99%	2	2	33	459	0%	0%	7%	t
Fuelling 01		14	0	0%				0	0%	0%	0%	t
Footbridge 01		19	19	100%	1			18	5%	0%	0%	t
Points Ladder pts3		3	3	100%	1000			3	0%	0%	0%	t
road 6		3	3	100%				3	0%	0%	0%	T
road 5		3	3	100%				3	0%	0%	0%	T
points ladder pts 2-5		3	3	100%	1000			3	0%	0%	0%	Ī
road 10		3	3	100%	1			3	0%	0%	0%	Ι
points ladder pts 7-10	0	3	3	100%	1.00			3	0%	0%	0%	Ι
road 9		3	1	100%				- 3	0%	0%	0%	I
road 8		3	3	100%	1		-	3	0%	0%	0%	L
road 7		3	3	100%				3	0%	0%	0%	Į
points ladder pts 2-4	6-1	3	3	100%	1			3	0%	0%	0%	ļ
road 4		3	1	100%	1			3	0%	0%	0%	ļ
points ladder pts 12		3	3	100%				3	0%	0%	0%	Ļ
road 3		3	1	100%	-			3	0%	0%	0%	Ļ
road 2		1	1	100%	-			3	0%	0%	0%	Ļ
road 1		3	3	100%	-	-		3	0%	0%	0%	Ļ
points ladder pts 1-9		3	3	100%	-	-		3	0%	0%	0%	Ļ
road 4	_	3	3	100%	-	-		3	0%	0%	0%	Ļ
road 5	-	3	3	100%	-	-		3	0%	0%	0%	Ļ
road 6		3	3	100%		-		3	0%	0%	0%	ŧ
points ladder pts 613	-13	3	3	100%	-	-	<u> </u>	3	0%	0%	0%	ł
road 3		3	3	100%				3	0%	-0%	0%	L
VYDC CONTRACTOR									444	1447.1	+87	т
road 2		3	3	100%				3	0%	0%	0%	ļ
road 2 road 1	1.11	3	3	100% 100%				3	0%	0%	0%	
road 2	A Note of			100%	5	2	33		and the second s			
road 2 road 1 Total	S. Real	3	3	100% 100%	5	2	33	3	0%	0%	0%	
road 2 road 1		3 627	3 591	100% 100%	5	2	33	3	0%	0%	0%	
road 2 road 1 Total		3	3 591 Measures Beyond	100% 100%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary		3 627 Measures	3 591 Measures	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block		3 627 Measures	3 591 Measures Beyond	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All		3 627 Measures	3 591 Measures Beyond ALI	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CET 01		3 627 Measures Better	3 591 Measures Beyond ALI	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CGT 01 Carriage Washer 01 Depot Shed 01 Fuelling 01		3 627 Measures Better 2	3 591 Measures Beyond ALI	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01		3 627 Measures Better 2	3 591 Measures Beyond ALI	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts3		3 627 Measures Better 2 380	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CET 01 Carriage Washer 01 Fuelling 01 Fuelting 01 Footbridge 01 Points Ladder pts3 road 6		3 627 Measures Better 2 380	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts3 road 6 road 5		3 627 Measures Better 2 380	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Fuelling 01 Fuelling 01 Footbridge 01 Points Ladder pts3 road 5 points ladder pts 2-5		3 627 Measures Better 2 380	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All Carriage Washer 01 Depot Shed 01 Footbridge 01 Points Ladder pts 3 road 6 road 5 points ladder pts 2-5 road 10		3 627 Measures Better 2 380	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Footbridge 01 Footbridge 01 Points Ladder pts 3 road 6 road 5 points ladder pts 2-5 road 10 points ladder pts 7-12		3 627 Measures Better 2 380	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 1 road 6 road 5 points ladder pts 2-5 road 10 points ladder pts 7-10 road 9		3 627 Measures Better 2 380	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 3 road 6 road 5 points Ladder pts 2-5 road 10 points Ladder pts 7-10 road 9 road 9 road 9		3 627 Measures Better 2 380	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All CET 01 Carriage Washer 01 Fuelling 01 Footbridge 01 Points Ladder pts 3 road 6 road 5 points Ladder pts 2-5 road 10 points Ladder pts 7-16 road 9 road 9 road 9 road 7		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 3 road 6 road 5 points ladder pts 2-5 road 10 points ladder pts 7-10 road 9 road 8 road 7 points ladder pts 2-4		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All Carriage Washer 01 Depot Shed 01 Footbridge 01 Footbridge 01 Footbridge 01 Points Ladder pts 2-5 road 5 points ladder pts 2-5 road 9 road 8 road 7 points ladder pts 2-4 road 4		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All Carriage Washer 01 Depot Shed 01 Footbridge 01 Footbridge 01 Footbridge 01 Points Ladder pts 2- road 6 road 5 points ladder pts 2-5 road 9 road 8 road 7 points ladder pts 2-4 road 4 points ladder pts 22		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 1 road 6 road 5 points ladder pts 7-1 road 9 road 9 road 8 road 7 points ladder pts 12- road 4 Points ladder pts 12 road 3		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 3 road 6 road 5 points Ladder pts 2-5 road 10 points Ladder pts 7-10 road 9 road 8 road 7 points Ladder pts 2-4 road 4 points Ladder pts 12 road 3 road 2		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Commentary Block All Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 2-5 road 6 road 5 road 5 road 7 points ladder pts 2-5 road 9 road 8 road 8 road 7 points ladder pts 2-4 road 4 points ladder pts 12 road 3 road 3 road 1		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All Carriage Washer 01 Depot Shed 01 Footbridge 01 Footbridge 01 Footbridge 01 Points Ladder pts 2-5 road 6 road 5 points ladder pts 2-5 road 10 points ladder pts 2-4 road 4 points ladder pts 2-4 road 3 road 2 road 3 road 2 road 1 points ladder pts 1-9		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Footbridge 01		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 3 road 6 road 5 points ladder pts 2-5 road 9 road 8 road 7 points ladder pts 2-4 road 3 road 2 road 1 points ladder pts 1-2 road 3 road 2 road 1 points ladder pts 1-9 road 4 road 5		3 627 Measures Better 2 380 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All CET 01 Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 1 road 6 road 5 points Ladder pts 7-1 road 9 road 8 road 7 points Ladder pts 12 road 1 points Ladder pts 12 road 1 points Ladder pts 12 road 3 road 2 road 3 road 2 road 3 road 5 road 4 road 4 road 5 road 6	6-11	3 627 Measures Better 2 360 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	
road 2 road 1 Total Total Commentary Block All Carriage Washer 01 Depot Shed 01 Fuelling 01 Footbridge 01 Points Ladder pts 3 road 6 road 5 points ladder pts 2-5 road 9 road 8 road 7 points ladder pts 2-4 road 3 road 2 road 1 points ladder pts 1-2 road 3 road 2 road 1 points ladder pts 1-9 road 4 road 5	6-11	3 627 Measures Better 2 360 3	3 591 Measures Beyond ALE 1	100% 300% 94%		2	33	3	0%	0%	0%	

9 Southend Victoria Depot [Calculated LMDSM Variation -1%]

Station	SOUTHEND	the feature and a set of the second		SCORE	05	5%		and a second sec	Rail Survey	02/03	/2007
Date of Visit	07/03/2	2012		acone	9.	0/0		Surveying	r Firm	An	ney
Summary	_		-								
Block	Elements	Audited	N	ARL	MAT	LAY	ок	ARL %	MATS	LAY%	OK
Carriage Washer 01	23	19	83%	4			15	17%	0%	0%	83%
Track Data	60	60	100%				60	0%	0%	0%	1005
Total	83	79	95%	4	0	0	75	5%	0%	0%	959
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	8							
Carriage Washer 01	1										
Track Data		1. Contract (1. Contract)	÷								
Total	1	0									

10 Welwyn Depot [Calculated LMDSM Variation +1%]

Station Date of Visit	WELWYN 05/03/.	and the second data and the se		SCORE	88	3%		Network	Rail Survey Firm		k/2067 ney
Summary			-								
Block	Elements	Audited	N	ARL	MAT	LAY	OK	ARL%	MAT%	LAY %	OK
Building 01	4	4	100%	1			3	25%	0%	0%	759
Building 02	4	4	100%				4	0%	0%	0%	100
Building 03	- 4	4	100%								
Building 04	2	1	50%	1	1						
Carriage Washer 01	4	4	100%	1			3	25%	0%	0%	755
Track Data	42	42	100%				42	0%	0%	0%	100
Total	60	59	98%	2	0	0	52	3%	0%	0%	97
Commentary											
Block	Measures Better	Measures Beyond ALE	Comment	x							
Ali											
CET 01	S	1									
Carriage Washer 01	2	2									
Insp / Maint Pit 01			5			-					
Total	2	2									

Week 1 Summary

Station	Measure	Reviewed	Percentage	Optimi	istic ARL	Mater	ial Fails	Layou	ıt Fails	Pessim	istic ARL	ARL Greater Than ALE	
	Total			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
St Bees	106	99	93%	10	10%	1	1%	3	3%	21	21%	9	9%
		154	84%	6	4%		1%	0	0%	20	13%		15%
Malton	102	64	63%	9	14%	0	0%	0	0%	17	27%	7	11%
Hammerton	157	88	56%	10	11%	1	1%	0	0%	19	22%	19	22%
Perth	585	515	88%	59	11%	23	4%	10	2%	150	29%	19	4%
Saltcoats	406	277	68%	27	10%	0	0%	2	1%	103	37%	12	4%
Fort Matilda	221	162	73%	24	15%	1	1%	4	2%	31	19%	11	7%
Girvan	520	416	80%	73	18%	2	0%	4	1%	60	14%	38	9%
Larkhall	57	57	100%	2	4%	0	0%	0	0%	22	39%	0	0%
Newcraighall	91	75	82%	9	12%	1	1%	0	0%	30	40%	4	5%
Week 1 Total	2428	1907	79%	229	12%	30	2%	23	1%	473	25%	142	7%
Depot	Measure	Reviewed	Percentage	Optimi	istic ARL	Mater	ial Fails	Layou	ıt Fails	Pessim	istic ARL		ireater n ALE
•	Total			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
AvrTownhead	75	67	29%	12	19%	0	0%	0	0%	9	12%	4	6%
						-		-		-			1%
Perm	027	291	94%	2	170	2	0%	55	0%	580	03%	3	170
Week 1 Total	702	658	94%	18	3%	2	0%	33	5%	394	60%	7	1%
	St Bees Cark Malton Hammerton Perth Saltcoats Fort Matilda Girvan Larkhall Newcraighall Week 1 Total Week 1 Total Ayr Townhead Perth	Station Total St Bees 106 Cark 183 Malton 102 Hammerton 157 Perth 585 Saltcoats 406 Fort Matilda 221 Girvan 520 Larkhall 57 Newcraighall 91 Week 1 Total Measure Total Ayr Townhead 75 Perth 627	Station Total Reviewed St Bees 106 99 Cark 183 154 Malton 102 64 Hammerton 157 88 Perth 585 515 Saltcoats 406 277 Fort Matilda 221 162 Girvan 520 416 Larkhall 57 57 Newcraighall 91 75 Week 1 Total 2428 1907 Ayr Townhead 75 67 Perth 627 591	Station Total Reviewed Percentage St Bees 106 99 93% Cark 183 154 84% Malton 102 64 63% Hammerton 157 88 56% Perth 585 515 88% Saltcoats 406 277 68% Fort Matilda 221 162 73% Girvan 520 416 80% Larkhall 57 57 100% Newcraighall 91 75 82% Meek 1 Total 2428 1907 79% Meesure Total Measure Ayr Townhead 75 67 89% Perth 627 591 94%	Station Total Reviewed Percentage St Bees 106 99 93% 10 Cark 183 154 84% 6 Malton 102 64 63% 9 Hammerton 157 88 56% 10 Perth 585 515 88% 59 Saltcoats 406 277 68% 27 Fort Matilda 221 162 73% 24 Girvan 520 416 80% 73 Larkhall 57 57 100% 2 Newcraighall 91 75 82% 9 Week 1 Total 2428 1907 79% 229 Measure Reviewed Percentage Optimi Number - - - - Ayr Townhead 75 67 89% 13 Perth 627 591 94% 5	Station Total Reviewed Percentage St Bees 106 99 93% 10 10% Cark 183 154 84% 6 4% Malton 102 64 63% 9 14% Hammerton 157 88 56% 10 11% Perth 585 515 88% 59 11% Saltcoats 406 277 68% 27 10% Fort Matilda 221 162 73% 24 15% Girvan 520 416 80% 73 18% Larkhall 57 57 100% 2 4% Newcraighall 91 75 82% 9 12% Week 1 Total 2428 1907 79% 229 12% Measure Reviewed Percentage Optimistic ARL Number Percentage Ayr Townhead 75 67 89% <	Station Total Reviewed Percentage Number Percentage Number St Bees 106 99 93% 10 10% 1 Cark 183 154 84% 6 4% 1 Malton 102 64 63% 9 14% 0 Hammerton 157 88 56% 10 11% 1 Perth 585 515 88% 59 11% 23 Saltcoats 406 277 68% 27 10% 0 Fort Matilda 221 162 73% 24 15% 1 Girvan 520 416 80% 73 18% 2 Larkhall 57 57 100% 2 4% 0 Newcraighall 91 75 82% 9 12% 1 Meesure Total 2428 1907 79% 229 12% 30 </td <td>Station Total Reviewed Percentage Number Percentage Number Percentage St Bees 106 99 93% 10 10% 1 1% Cark 183 154 84% 6 4% 1 1% Malton 102 64 63% 9 14% 0 0% Harmerton 157 88 56% 10 11% 1 1% Perth 585 515 88% 59 11% 23 4% Saltcoats 406 277 68% 27 10% 0 0% Fort Matilda 221 162 73% 24 15% 1 1% Girvan 520 416 80% 73 18% 2 0% Larkhall 57 57 100% 2 4% 0 0% Week 1 Total 2428 1907 79% 229 12%<</td> <td>Station Total Reviewed Percentage Number Percentage <</td> <td>Station Total Reviewed Percentage Number Number</td> <td>Station Total Reviewed Percentage Number Percentage <</td> <td>Station Reviewed Percentage Number Percentage Number</td> <td>Station TotalMeasure TotalReviewedPercentageOptimistic ARLMaterial FailsLayout FailsPercentageNumberThaNumberNumberPercentageNu</td>	Station Total Reviewed Percentage Number Percentage Number Percentage St Bees 106 99 93% 10 10% 1 1% Cark 183 154 84% 6 4% 1 1% Malton 102 64 63% 9 14% 0 0% Harmerton 157 88 56% 10 11% 1 1% Perth 585 515 88% 59 11% 23 4% Saltcoats 406 277 68% 27 10% 0 0% Fort Matilda 221 162 73% 24 15% 1 1% Girvan 520 416 80% 73 18% 2 0% Larkhall 57 57 100% 2 4% 0 0% Week 1 Total 2428 1907 79% 229 12%<	Station Total Reviewed Percentage Number Percentage <	Station Total Reviewed Percentage Number Number	Station Total Reviewed Percentage Number Percentage <	Station Reviewed Percentage Number Percentage Number	Station TotalMeasure TotalReviewedPercentageOptimistic ARLMaterial FailsLayout FailsPercentageNumberThaNumberNumberPercentageNu

Week 2 Summary

	Ctation	Measure	Reviewed	Percentage	Optimi	istic ARL	Mater	ial Fails	Layou	it Fails	Pessim	istic ARL	ARLO	Greater
	Station	Total	Revieweu	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
10	Derby	5750	5154	90%	431	8%	81	2%	2806	54%	465	9%	76	1%
10 54	Sileby	78	78	100%	14	18%	1	1%	0	0%	7	9%	6	8%
28	Melton Mowbray	604	479	79%	147	31%	13	3%	15	3%	40	8%	26	5%
17	Wrexham General	1231	984	80%	72	7%	21	2%	10	1%	66	7%	16	2%
40	Elsecar	73	73	100%	12	16%	2	3%	0	0%	6	8%	0	0%
16	Todmorden	90	86	96%	7	8%	3	3%	1	1%	9	10%	1	1%
49	Laurencekirk	319	281	88%	39	14%	4	1%	8	3%	62	22%	6	2%
20	Brunswick	220	213	97%	66	31%	1	0%	1	0%	57	27%	16	8%
15	Mount Florida	451	451	100%	120	27%	0	0%	0	0%	1	0%	54	12%
32	Adlington	193	192	99%	54	28%	5	3%	2	1%	6	3%	10	5%
	Week 2 Total	9009	7991	89%	962	12%	131	2%	2843	36%	719	9%	211	3%
	Depot	Measure Total	Reviewed	Percentage	Optimi Number	stic ARL Percentage	Mater Number	ial Fails Percentage	Layou Number	it Fails Percentage	Pessim Number	istic ARL Percentage	ARL 0 Number	Freater Percentage
	•	Total			Rumber	rereentage	Rumber	rereentage	Rumber	rereentage	Humber	rereentage	Rumber	rereentage
5	Derby Etches Park	977	927	95%	172	19%	9	1%	11	1%	61	7%	74	8%
2	Birkenhead North	1475	1252	85%	177	14%	30	2%	114	9%	169	13%	48	4%
	Week 2 Total	2452	2179	89%	349	16%	39	2%	125	6%	230	11%	122	6%

Week 3 Summary

	Station	Measure Total	Reviewed	Percentage	Optimi	stic ARL	Mater	ial Fails	Layou	ıt Fails	Pessimistic ARL		ARL Greater Than ALE	
		Total			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
11	Three Bridges	391	338	86%	73	22%	5	1%	26	8%	16	5%	52	15%
37	Crouch Hill	120	110	92%	0	0%	25	23%	12	11%	51	46%	0	0%
3	Reading	4773	2902	61%	266	9%	5	0%	961	33%	342	12%	108	4%
6	Winchester	1053	545	52%	73	13%	12	2%	8	1%	181	33%	5	1%
44	Grateley	401	380	95%	17	4%	0	0%	0	0%	83	22%	11	3%
12	Bognor Regis	1523	880	58%	186	21%	30	3%	13	1%	155	18%	122	14%
57	Yetminster	165	119	72%	9	8%	7	6%	2	2%	45	38%	4	3%
43	Glynde	131	126	96%	13	10%	0	0%	0	0%	5	4%	0	0%
	Week 3 Total	8557	5400	63%	637	12%	84	2%	1022	19%	878	16%	302	6%
	Denet	Measure	Reviewed	Derrenteza	Optimi	stic ARL	Mater	ial Fails	Layou	ıt Fails	Pessim	istic ARL		Greater n ALE
	Depot	Total	Reviewed	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
10	Welwyn Depot	60	59	98%	2	3%	0	0%	0	0%	2	3%	2	3%
9	Southend Victoria	83	79	95%	4	5%	0	0%	0	0%	1	1%	0	0%
	Week 3 Total	143	138	97%	6	4%	0	0%	0	0%	3	2%	2	1%

Week 4 Summary

	Station	Measure Total	Reviewed	Percentage	Optimi	stic ARL	Mater	ial Fails	Layou	ıt Fails	Pessim	istic ARL	ARL Greater Than ALE	
		Total			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
						-0/	-	-0/	-					
22	Erdington	258	178	69%	11	6%	8	4%	0	0%	41	23%	36	20%
17	Lapworth	136	125	92%	6	5%	4	3%	0	0%	21	17%	3	2%
38	Dovey Junction	52	48	92%	0	0%	1	2%	0	0%	12	25%	2	4%
8	Cardiff Queen St.	897	396	44%	40	10%	5	1%	4	1%	139	35%	2	1%
33	Ashchurch	106	100	94%	11	11%	0	0%	0	0%	35	35%	12	12%
29	Radyr	353	256	73%	81	32%	3	1%	6	2%	34	13%	10	4%
1	Filton Abbey Wood	243	222	91%	55	25%	3	1%	3	1%	50	23%	9	4%
14	Liskeard	715	501	70%	24	5%	13	3%	6	1%	177	35%	6	1%
19	Bridgewater	136	125	92%	6	5%	4	3%	0	0%	21	17%	3	2%
34	Battersby	40	40	100%	13	33%	2	5%	0	0%	3	8%	2	5%
.3	Hexham	180	179	99%	37	21%	6	3%	6	3%	28	16%	20	11%
15	Haydon Bridge	71	71	100%	8	11%	5	7%	1	1%	29	41%	1	1%
7	Blackpool North	310	293	95%	17	6%	1	0%	9	3%	6	2%	5	2%
	Week 4 Total	3497	2534	72%	309	12%	55	2%	35	1%	596	24%	111	4%
	Depot	Measure Total	Reviewed	Percentage	Optimi	stic ARL	Mater	ial Fails	Layou	ıt Fails	Pessim	istic ARL		Greater n ALE
		Total			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
				#D11 (0		11011 (lot		#DB (/01		#D11 (/o)		#D11 / 01	-	1100 ((o)
		0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
		0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!
	Week 4 Total	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!

Week 5 Summary

	Station	Measure Total	Reviewed	Percentage	Optimi	istic ARL	Mater	ial Fails	Layou	ıt Fails	Pessim	istic ARL		Greater n ALE
		Total			Number	Percentage								
4	Ipswich	393	357	91%	21	6%	9	3%	7	2%	78	22%	11	3%
24	Hertford East	611	265	43%	6	2%	1	0%	2	1%	85	32%	7	3%
18	Ashwell & Morden	210	164	78%	13	8%	0	0%	1	1%	36	22%	4	2%
2	Marylebone	1479	570	39%	59	10%	8	1%	21	4%	149	26%	85	15%
35	Brandon	110	99	90%	5	5%	5	5%	1	1%	12	12%	5	5%
50	Lingwood	121	99	82%	16	16%	1	1%	1	1%	2	2%	18	18%
26	Kidsgrove	231	231	100%	62	27%	1	0%	9	4%	13	6%	42	18%
56	Stone	84	84	100%	18	21%	4	5%	0	0%	6	7%	9	11%
21	Bushey	807	707	88%	181	26%	23	3%	1	0%	191	27%	60	8%
53	Ridgemont	63	62	98%	20	32%	0	0%	3	5%	0	0%	11	18%
25	Kearsney	380	303	80%	43	14%	0	0%	2	1%	16	5%	2	1%
9	Chatham	1618	927	57%	121	13%	29	3%	25	3%	151	16%	68	7%
39	East Malling	136	110	81%	27	25%	5	5%	13	12%	1	1%	18	16%
51	Maidstone Barracks	73	73	100%	0	0%	0	0%	0	0%	0	0%	0	0%
31	Sway	476	437	92%	89	20%	9	2%	0	0%	179	41%	12	3%
	Week 5 Total	6792	4488	66%	681	15%	95	2%	86	2%	919	20%	352	8%
	Depot	Measure Total	Reviewed	Percentage	Optimi	istic ARL	Mater	ial Fails	Layou	ıt Fails	Pessim	iistic ARL		Greater n ALE
	•	Total			Number	Percentage								
3	Bletchley Depot	1951	1755	90%	241	14%	35	2%	53	3%	133	8%	105	6%
7	Orpington Depot	29	25	86%	5	20%	2	8%	0	0%	3	12%	0	0%
6	Fratton Depot	539	490	91%	95	19%	10	2%	15	3%	135	28%	20	4%
	Week 5 Total	2519	2270	90%	341	15%	47	2%	68	3%	271	12%	125	6%

Week 6 Summary

	Station	Measure Total	Reviewed	Percentage	Optimi	stic ARL	Mater	ial Fails	Layou	ıt Fails	Pessim	istic ARL		reater n ALE
		Total			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
1	Glasgow Central	516	397	77%	58	15%	10	3%	74	19%	22	6%	41	10%
	Week 6 Total	516	397	77%	58	15%	10	3%	74	19%	22	6%	41	10%
	Depot	Measure Total	Reviewed	Percentage	Optimi	stic ARL	Mater	al Fails Lavout Fails Pessimistic ARL			ARL Greater Than ALE			
		TOTAL			Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
		460		070/		70/	-		40	-0/		0.5%		-0/
4	Corkerhill Depot	460	446	97%	33	7%	9	2%	19	4%	116	26%	30	7%
	Week 6 Total	460	446	97%	33	7%	9	2%	19	4%	116	26%	30	7%

Overall Summary

STAT	TION										
					Arup obs	erved		ALE to have			
Time	Number	Measures	Audit	condition to be		the layout to	condition to be				
·····c	of Sites	measures	Addit	worse than	different to	have been	better than	by the Quoted			
				that reported	that reported	changed	that reported	ARL			
Week 1	10	2428	1907	229	30	23	473	142			
		2120	79%	12%	2%	1%	25%	7%			
Week 2	10	9009	7991	962	131	2843	719	211			
	10	5005	89%	12%	2%	36%	9%	3%			
Week 3	8	8557	5400	637	84	1022	878	302			
Weeks	Ů	0007	63%	12%	2%	19%	16%	6%			
Week 4	13	3497	2534	309	55	35	596	111			
TTCCK4	10	5457	72%	12%	2%	1%	24%	4%			
Week 5	15	6792	4488	681	95	86	919	352			
eekb		0752	66%	15%	2%	2%	20%	8%			
Week 6	1	516	397	58	10	74	22	41			
WEEKO	1	510	77%	15%	3%	19%	6%	10%			
Total	57	30799	22717	2876	405	4083	3607	1159			
Total		50755	74%	13%	2%	18%	16%	5%			
DEF	рот										
					Arup obs			ALE to have			
Time	Number	Measures	Measures	Measures	Measures	Audit	condition to be		the layout to	condition to be	
	of Sites			worse than	different to	have been	better than	by the Quoted			
				that reported	that reported	changed	that reported	ARL			
Week 1	2	702	658	18	2	33	394	7			
	-		94%	3%	0%	5%	60%	1%			
Week 2	2	2452	2179	349	39	125	230	122			
	-	2.02	89%	16%	2%	6%	11%	6%			
Week 3	2	143	138	6	0	0	3	2			
	-	1.0	97%	4%	0%	0%	2%	1%			
Week 4	0	0	0	0	0	0	0	0			
_			0070		47			105			
Week 5	3	2519	2270	341	47	68	271	125			
			90%	15%	2%	3%	12%	6%			
	1	460	446	33	9	19	116	30			
Week 6	1		97%	7%	2%	4%	26%	7%			
Week 6											
Week 6	10	6276	5691 91%	747 13%	97 2%	245 4%	1014 18%	286 5%			