## Tyne \& Wear ITA - Metro Sub Committee

## Meeting to be held: Committee Room, Civic Centre, Newcastle upon Tyne, NE99 2BN on Thursday 8 December 2011 at 10.30 am <br> Membership: Blackburn, Hanson, Hodson, Lott, Maughan, McElroy, Stokel-Walker and D Wood (Chair) <br> Contact Officer: Victoria Miller (0191) 2115118 victoria.miller@newcastle.gov.uk <br> ITA papers are available on the ITA website at www.twita.gov.uk

Page

1. Apologies for absence
2. Declarations of Interest of Members or Officers
(If any Member has a personal/prejudicial interest please complete theappropriate form and hand this to the Democratic Services Officer beforeleaving the meeting. A blank form can be obtained from the DSO at themeeting).Members are reminded to verbally declare their interest and the nature of itand, if prejudicial, leave where appropriate at the point of the meeting whenthe item is to be discussed
3. Minutes of the Previous Meeting ..... 1-4
4. Asset Renewal Plan 2011/12 - Programme ..... 5-24
5. Quarterly Performance Report - Quarter 2 2011/12 - Asset Renewal ..... 25-30 Plan
6. Quarterly Performance Data - Quarter 2 2011/12 - Metro Operating ..... 31-36 Concession
7. Exclusion of Press and Public
8. Confidential Minutes of the Previous Meeting ..... 37-38
9. Quarterly Performance Data - Quarter 2 2011/12 - Metro Farebox ..... 39-42 Income
10. Date and Time of the Next Meeting
Thursday, 1 March 2012 at 10.30am

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## Agenda Item 3

## Tyne \& Wear ITA - Metro Sub Committee

1 September 2011<br>(10.30-11.45am)

## Present:

Councillor: D Wood (Chair)
Councillors: Lott, Maughan, McElroy and Stokel-Walker

## Also Present:

Substitute Member:
Councillor McMillan

## In Attendance:

K Mackay - Director of Rail and Infrastructure, Nexus
K Nisbet - Head of Finance, Nexus
S Kelly - Director of Customer Services, Deutsche Bahn Tyne and Wear Ltd. (DBTW)
V Miller - Democratic Services, Newcastle City Council

## 12. APOLOGIES FOR ABSENCE

Apologies for absence were received from Councillors Blackburn, Murison and Hanson.
13. DECLARATIONS OF INTEREST OF MEMBERS OR OFFICERS

Councillors D Wood, Stokel-Walker and Lott declared a personal interest due to holding the Metro Gold Card.

## 14. MINUTES OF THE PREVIOUS MEETING

The minutes of the previous meeting held on 9 June 2011 were approved as a correct record and signed by the Chair.
15. MYSTERY SHOPPER AND CUSTOMER SATISFACTION SURVEY RESULTS

Submitted: A report by the Director of Customer Services, Nexus (previously circulated and copy attached to Official Minutes).

K Mackay presented the report on the results of the latest Mystery Shopper and Customer Satisfaction surveys conducted by Nexus during March and April 2011.

It was confirmed that the surveying was part of the contractual agreement between Nexus and Deutsche Bahn Tyne and Wear Ltd. (DBTW) for the Metro Operating Concession.

Members discussed the results of the surveys. It was agreed that officers would provide clarification on the generated performance figure, as in section 4.22 of the report.

In relation to the objectivity of the surveys, officers confirmed that approximately 1000 random customers of Metro had been surveyed as part of the Customer Satisfaction survey. For the Mystery Shopper exercise, Nexus used a set group of people who were Nexus' employees. However, mystery shoppers changed routes and stations regularly.

RESOLVED - That the report be noted.

## 16. QUARTERLY PERFORMANCE REPORT - QUARTER 1 2011/12 - ASSET RENEWAL PLAN

Submitted: A report by the Director of Customer Services, Nexus (previously circulated and copy attached to Official Minutes).

K Mackay presented the quality performance report in relation to the Asset Renewal Plan for the period from 1 April 2010 to 23 July 2011.

With regard to Chillingham Road, it was reported that the work on the refurbishment of the station progressed well. However, graffiti already presented an issue.

RESOLVED - That the report be noted.

## 17. QUARTERLY PERFORMANCE REPORT - METRO OPERATING CONCESSION

Submitted: A report by the Director of Customer Services, Nexus (previously circulated and copy attached to Official Minutes).

K Mackay presented the report which outlined the quality performance data under the framework of the Metro Operating Concession Agreement for the period 1 April to 25 June 2011.

## Cable Theft

It was confirmed that the theft of cable had significantly affected the performance data, especially in period 3.

## Fraud Rate

Officers confirmed that fraud was managed effectively. The forthcoming implementation of the new ticketing and gating scheme would help to achieve further improvements.

## Passenger Accidents

Passenger accidents, such as slips and falls, remained an issue across the transport industry. The work to manage these continued.

## Passenger Assaults

The performance in relation to passenger assaults was partially influenced by the active reporting and sometimes related to minor incidents, such as domestic arguments. If a Police Officer was called out, the incident, however trivial, would be recorded and reflected in the performance figures. It was noted that this specific performance indicator did not include incidents against staff.
It was also noted that when media reported incidents which had happened near Metro, the public sometimes perceived them as the Metro incidents despite the fact that they did not relate to the Metro system.

## 18 September 2011

As an additional matter, officers reported that they had received a short notice which informed them about the new date for the football match at the Stadium of Light, which now coincided with the date for the Great North Run. This was very unfortunate as football matches and the Great North Run were treated as special events and preparation for them required additional staff, trains and other resources. There was limited capacity to accommodate both events on the same day. Officers had liaised with the football club but the indications were that the match could not be rescheduled. Officers were currently assessing the situation. Members and officers discussed the issue. It was agreed that:

- D Miliband should be contacted to see if the match could be re-scheduled for another day;
- Information should be advertised to the public that there would be a normal Sunday Service only with no extra trains for the match. The reasons for this should also be made known;


## RESOLVED - That:

(i) the report be noted;
(ii) the situation with regard to 18 September 2011 be addressed as discussed.

## 18. ASSET RENEWAL PLAN PROGRAMME 2011/12

Submitted: A report by the Director of Rail and Infrastructure, Nexus (previously circulated and copy attached to Official Minutes).

K Mackay presented the report on the Asset Renewal Plan 2011-2012, including the implementation of the individual projects within it.

It was explained that the slippage of some costs into 2012-2013 and the variance between the forecasted figures and the actual spend, as in Appendix A of the report, did not cause concern; at the point of conclusion the programme would be within the budget.

Members were requested to disregard information on major projects, as in Appendix A of the report.

K Mackay confirmed that there were plans to install at least one lift at Walkergate Station. It was also confirmed that the scheduled works to the station might not require
a blockade but if there were one for other purposes, such as renewal of the track, then advantage would be taken of it.

Members asked for the ARP Possession Year Plan 2011-2012 to be circulated to them in full size and colour.

It was confirmed that the September 2012 blockade would not coincide with the Great North Run.

RESOLVED - That the report be noted.
19. DATE AND TIME OF THE NEXT MEETING

Thursday, 8 December at 10.30am.
There might be a visit organised for members before or after the meeting.
20. EXCLUSION OF PRESS AND PUBLIC

RESOLVED - That by virtue of paragraph 3 of Part 1 of Schedule 12A of the Local Government Act 1972 press and public be excluded from the remainder of the meeting to the likely disclosure of commercially sensitive information.

## Agenda Item 4

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## Tyne and Wear Integrated Transport Authority

## Metro Sub-Committee

## DATE: 8 December 2011

## TITLE: ASSET RENEWAL PLAN 2011/12 - PROGRAMME

## REPORT THE DIRECTOR OF RAIL AND INFRASTRUCTURE, NEXUS

OF:
Not confidential
District Implications: All Tyne \& Wear

## 1. Summary / Purpose of Report

1.1 The Asset Renewal Plan for 2011/12 has been approved by the Integrated Transport Authority. This report reminds members of the schemes that go to make up the programme and takes a forward look at how implementation of the individual projects will impact upon operation of the Metro throughout the remainder of 2011/12 together with some provisional information for 2012/13.
2.

Recommendations
2.1 That Metro Sub-Committee notes this report.
3. Introduction / Background
3.1 At its meeting on 24 November 2011, the Integrated Transport Authority received the second quarterly review of the 2011/12 Asset Renewal Programme.
3.2 The list of approved schemes at Quarter 2 is appended to this report for ease of reference - see Appendix A.
3.3 Whilst much of the physical work can and will be undertaken during non traffic hours (generally 01.00 to 05.00 ), some work will have to be undertaken under possession.
3.4 Careful planning will reduce to a minimum the disruptive nature of this work to
normal Metro operation. However, it will be necessary to interrupt normal operations on a pre-planned basis which is normally referred to as a 29 hour or 54 hour possession.
3.5 In effect a 29 hour possession necessitates interruption of Metro operations on a
Sunday whilst a 54 hour possession will affect both a Saturday and a Sunday.
3.6 Two further permutations exist namely a 12 hour possession which affects Metro operations earlier on a Sunday and a blockade - a complete closure for a number of days such as that successfully completed between Chillingham Road and North Shields earlier this year.
3.7 Owing to the nature of disruptive possessions these have to be planned well in advance in order that Metro customers can be looked after in the best way possible. Accordingly, a possession plan has been drawn up and this is appended to this report as Appendix B
3.8 Members should be aware that plans are constantly reviewed and updated as the details and working methods for the work emerge. In terms of any major line closure (one that involves a weekday) communications with Local Authorities and other key stakeholders commences at least six months in advance. Customers are similarly informed approximately two months in advance.

## 4

4.1

Contact Officer (s)
Ken Mackay, Director of Rail \& Infrastructure, Nexus (Tel: 0191203 3241)
APPENDIX A

| Original Approved 2011/12 Budget | Latest Budget 2011/12 | Actual Expenditure at end of Period 6 | PMO <br> Period 6 <br> Forecast | Variance between Forecast and Budget | Reason for Variation |
| :---: | :---: | :---: | :---: | :---: | :---: |
| £ | £ | $\varepsilon$ | $\varepsilon$ | £ |  |
| 841,000 | 841,000 | 284,228 | 816,890 | -24,110 |  |
| 229,043 | 229,043 | 164,232 | 1,939,742 | 1,710,699 | Forecast reflects new works identified to be carried out in 2011/12 to minimise risk of underspending DfT requirements. |
| 496,302 | 496,302 | 202,390 | 361,391 | -134,911 | Slippage as a result of further detailed work to clarify scope of project. |
| 1,407,364 | 2,101,928 | 2,037,601 | 2,042,606 | -59,322 |  |
| 54,329 | 54,329 | 9,875 | 45,286 | -9,043 |  |
| 290,000 | 290,000 | 6,736 | 34,631 | -255,369 | Slippage as a result of further detailed work to clarify scope of project. |
| 309,372 | 309,372 | 14,315 | 20,465 | -288,907 | Slippage as a result of further detailed work to clarify scope of project. |


| Capital <br> Code | Capital Scheme |
| :--- | :--- |
|  | Civils |
| BB001 | Central Area Tunnel Refurbishment |

Page 8
Reason for Variation
Slippage as a result of further detailed
work to clarify scope of project.
Forecast reflects new works identified
to be carried out in $2011 / 12$ to minimise
risk of underspending DfT
requirements.

Variance
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| Capital <br> Code | Capital Scheme |
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| BC208 | Bridges - Meadow Well to <br> Walkergate |
| BC209 | Bridges - Tynemouth to Meadow <br> Well |
|  | Bridges - Percy Main to Hadrian |
| BC210 | Road |
| BC211 |  |

Reason for Variation

| $\begin{array}{l}\text { Variance } \\ \text { between } \\ \text { Forecast } \\ \text { nd Budget }\end{array}$ |
| ---: |
| $\boldsymbol{£}$ |
| $-23,655$ |
| 1,954 |
| 0 |
| 0 |
| 4,280 |
| $-4,768$ |
| $-17,553$ |
| 0 |
| $-80,146$ |
| 410 |
| 20,000 |
| $-1,104$ |
| $-62,159$ |
| 21,764 |




| Capital <br> Code | Capital Scheme |
| :--- | :--- |
| BC225 | Duct Route - Tynemouth to North <br> Shields |
| BC226 | Duct Route - South Gosforth to <br> Jesmond |
| BC227 | Duct Route - South Gosforth to <br> Airport |
| BC228 | Duct Route - Jesmond to Gateshead <br> Stadium and Manors |
| BC229 | Duct Route - Gateshead Stadium to <br> South Shields |
| BC230 | Duct Route - South Gosforth to <br> Tynemouth |
| BC241 | Culverts |
| BC289 | Ground Investigation - South <br> Gosforth to Jesmond |
| BC294 | Airport Metro Station Drainage |
| BC543 | QE11 Bridge Refurbishment |
| BC545 | Depot Refurbishment |
| BC799 | Monkseaton Station Ramp |
| BC811 | Benton Station Footbridge |

Reason for Variation
Project slippage to ensure fibre strategy agreed in Partnership with IT to ensure
links with IP project clarified. Options
to bring forward IP project expenditure
to bring forward IP project expenditure
will be pursued once this strategy has
been finalised.

| $\begin{array}{c}\text { Original } \\ \text { Approved } \\ \text { 2011/12 } \\ \text { Budget }\end{array}$ | $\begin{array}{c}\text { Latest } \\ \text { Budget } \\ \text { 2011/12 }\end{array}$ | $\begin{array}{c}\text { Actual } \\ \text { Expenditure } \\ \text { at end of } \\ \text { Period 6 }\end{array}$ | $\begin{array}{c}\text { PMO } \\ \text { Period 6 } \\ \text { Forecast }\end{array}$ | $\begin{array}{c}\text { Variance } \\ \text { between } \\ \text { Forecast } \\ \text { and Budget }\end{array}$ |
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| $\mathbf{£}$ | $\boldsymbol{£}$ | $£$ |  | $\boldsymbol{£}$ |
| 30,000 | 30,000 | 32,522 | 32,522 | 2,522 |
| 0 | 0 | 0 | 0 | 0 |
| 175,059 | 175,059 | 31,029 | 197,894 | 22,835 |
| 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 2,000 | 2,000 |
| 77,000 | 310,039 | 228,678 | 310,048 | 9 |
| 52,404 | 52,404 | 38,265 | 52,405 | 1 |
| 118,000 | 118,000 | 0 | 118,000 | 0 |


| $7,976,819$ | $8,961,820$ | $4,754,180$ | $9,523,293$ | 561,473 |
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| Capital <br> Code | Capital Scheme |
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| BC855 | MOG Remodelling |
| BC883 | Depot Lighting Upgrade |
| BC891 | Control Room |
| BC911 | Knotts Bridge Repair |
| BC914 | Benton Lane Bridge |
| BC937 | Denholme and Mast Lane |
| BC952 | Depot Fire Alarm Systems |
| BC958 | Repairs to 1216A Quayside Arch |

## 

BC250 Cable Pulling - Tynemouth to
BC251 Cable Pulling - South Gosforth to
BC253 Cable Pulling - Jesmond to
Gateshead Stadium and Manors
Reason for Variation
Project slippage to ensure fibre strategy
agreed in Partnership with IT to ensure
links with IP project clarified．Options
to bring forward IP project expenditure
will be pursued once this strategy has
been finalised．


 to bring forward IP project expenditure will be pursued once this strategy has
been finalised．

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643，889

478,774

Cable Pulling－South Gosforth
Junction to Tynemouth


Station Network Connections
CCTV on Metro Cars

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Total Communications
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Capital Scheme

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| Capital Code | Capital Scheme | Original Approved 2011/12 Budget | Latest Budget 2011/12 | Actual Expenditure at end of Period 6 | PMO <br> Period 6 <br> Forecast | Variance between Forecast and Budget | Reason for Variation |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\varepsilon$ | £ | $\varepsilon$ | £ | £ |  |
| BC279 | Wheel Lathe | 1,134,062 | 1,134,062 | 10,823 | 998,825 | -135,237 | Efficiency saving identified. |
|  | Total Depot Equipment | 1,612,836 | 1,777,951 | 52,830 | 1,636,714 | -141,237 |  |
| BC275 | Barriers - Kingston park | 25,000 | 25,000 | 3,767 | 25,000 | 0 |  |
| BC276 | Barriers - Fawdon | 25,000 | 25,000 | 931 | 23,627 | -1,373 |  |
| BC277 | Level Crossings - Highway works Howdon, Fawdon, Kingston Park | 53,808 | 53,808 | 1,403 | 3,520 | -50,288 |  |
| BC955 | Level Crossing Deck Replacement | 50,000 | 50,000 | 2,339 | 50,000 | 0 |  |
|  | Total Level Crossings | 153,808 | 153,808 | 8,440 | 102,147 | -51,661 |  |
| BC281 | Escalator - Central | 631,028 | 101,735 | 9,103 | 250,102 | 148,367 | Contractor's current programme indicates additional works can be delivered at Central this year. |
| BC282 | Escalator - Monument | 923,824 | 803,475 | 7,784 | 586,231 | -217,244 | Contractor's current programme indicates original planned works cannot be delivered at Monument this year. |
| BC284 | Lift - Four Lane Ends | 9,000 | 9,000 | 905 | 263,331 | 254,331 | Project being brought forward from 2012/13. |

Reason for Variation
Project being brought forward from
2012/13.
Slippage resulting from need to
undertake system wide fire risk
assessment.
Variance
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| ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  |
| $3,053,837$ | $3,053,837$ | 159,636 | $3,053,735$ | -102 |
| 637,000 | 637,000 | 264,360 | 637,002 | 2 |
| 42,054 | 42,054 | 51,220 | 61,282 | 19,228 |


| $3,732,891$ | $3,732,891$ | 475,216 | $3,752,019$ | $\mathbf{1 9 , 1 2 8}$ |
| ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  |
| 0 | 0 | 8,579 | 8,573 | 8,573 |

Original

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119,998 & 119,998 \\
64,000 & 64,000 \\
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Capital Scheme

Stations Refurb - Esc Imps/Major
Items
Lifts Refurbishment/Major Items
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Total Metro Cars
BB003

Reason for Variation



| $\begin{array}{c}\text { Capital } \\ \text { Code }\end{array}$ | Capital Scheme |
| :--- | :--- |
| BC587 | Vehicle Replacement Programme |
| BC849 | $\begin{array}{l}\text { Digitising and Approving } \\ \text { Engineering Drawings }\end{array}$ |
| BC894 | Security Review |
| BC943 | IT Hardware - WASP project |
| BC947 | Nexus Document Control System |
| BC957 | PMO Transition IT Applications |
| BC959 | $\begin{array}{l}\text { Land at West Monkseaton Metro } \\ \text { Station }\end{array}$ |
| BC960 | Asset Knowledge |
| BC961 | Rail crane |
| BC962 | Transformer (Benton) |
| BC963 | Tunnel Track bed |
|  | Total Miscellaneous |
| BC240 | OLE - System Development |
|  | Total Overhead Line |

Page 15
Reason for Variation
Slippage into 2012/13 as a
consequence of blockade strategy
being moved to $2012 / 13$.
Slippage into $2012 / 13$ as a
consequence of blockade strategy
being moved to $2012 / 13$ and material
lead times.
Capital Scheme
Capital
Code
Total Permanent Way

| Original <br> Approved <br> $2011 / 12$ <br> Budget | Latest <br> Budget <br> $2011 / 12$ | Actual <br> Expenditure <br> at end of <br> Period 6 | PMO <br> Period 6 <br> Forecast | Variance <br> between <br> Forecast <br> and Budget |
| :---: | :---: | :---: | :---: | :---: |
| $£$ | $£$ | $£$ | $£$ | $£$ |
| $2,982,156$ | $3,630,503$ | $1,244,269$ | $2,431,199$ | $-1,199,304$ |


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Programme split into 2 phases
resulting in slippage to 2012／13．

| 814,323 | 814,323 | 17,985 | 125,099 | $-689,224$ |
| ---: | ---: | ---: | ---: | ---: |
| 353,000 | 353,000 | 43,222 | 392,129 | 39,129 |
| $\mathbf{1 , 1 6 7 , 3 2 3}$ | $\mathbf{1 , 1 6 7 , 3 2 3}$ | $\mathbf{6 1 , 2 0 6}$ | $\mathbf{5 1 7 , 2 2 8}$ | $\mathbf{- 6 5 0 , 0 9 5}$ | Slippage due to need to align with other projects and clarify scope to maximise efficiency．

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\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
\(\begin{array}{rrrr}351,671 & 125 & 33,533 & -318,138 \\ 147,434 & 1,320 & 197,434 & 50,000 \\ 0 & -0 & 0 & 0 \\ 111,337 & 25,803 & 45,405 & -65,932\end{array}\)
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Reason for Variation
Slippage as a result of further detailed
work to clarify scope of project.
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\text { Budget }\end{array}\) & \(\begin{array}{c}\text { Latest } \\
\text { Budget } \\
\mathbf{2 0 1 1 / 1 2}\end{array}\) & \multicolumn{1}{c}{\(\begin{array}{c}\text { Actual }\end{array}\)} & \(\begin{array}{c}\text { Expenditure } \\
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\text { Period 6 }\end{array}\) & \(\begin{array}{c}\text { PMO } \\
\text { Period 6 } 6 \\
\text { Forecast }\end{array}\)
\end{tabular} \(\left.\begin{array}{c}\text { Variance } \\
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\text { Forecast } \\
\text { and Budget }\end{array}\right]\)
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Project slippage into 2012／13 in order
 is aimed at minimising the risk of cost
increases once works commence．
Reason for Variation

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\hline \(11,746,863\) & \(\mathbf{1 1 , 7 4 6 , 8 6 3}\) & \(\mathbf{4 , 2 0 0 , 5 5 5}\) & \(\mathbf{8 , 4 4 5 , 6 2 9}\) & \(-3,301,234\) \\
\hline \(39,142,872\) & \(\mathbf{4 0 , 6 8 1 , 1 4 1}\) & \(\mathbf{1 2 , 2 9 5 , 2 4 8}\) & \(\mathbf{3 3 , 2 5 3 , 1 2 7}\) & \(-\mathbf{- 7 , 4 2 8 , 0 1 4}\) \\
\hline \hline 80,000 & 80,000 & 23,471 & 80,000 & 0 \\
\(14,021,805\) & \(8,885,219\) & 446,592 & \(8,885,219\) & 0
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Reason for Variation
\begin{tabular}{|c|c|c|c|c|}
\hline Original Approved 2011/12 Budget & Latest Budget 2011/12 & Actual Expenditure at end of Period 6 & \begin{tabular}{l}
PMO \\
Period 6 \\
Forecast
\end{tabular} & Variance between Forecast and Budget \\
\hline £ & £ & £ & £ & £ \\
\hline 14,101,805 & 8,965,219 & 470,063 & 8,965,219 & 0 \\
\hline 53,244,677 & 49,646,360 & 12,765,311 & 42,218,346 & -7,428,014 \\
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Page 20

\section*{APPENDIX B - Possession Plan 2011-12}

\section*{Programme for 2011/12}

A possession plan has been developed for the full year as part of the ARP programme and a series of possessions have been planned and tabled through the Concession Office to enable the operator DBTW to plan timetable arrangements, resources for bus replacements and staffing of stations.

The table below identifies where a series of possessions have been booked and completed within the second year of the ARP programme (2011/12).
\begin{tabular}{|c|c|c|c|c|}
\hline \begin{tabular}{l} 
Possession \\
Duration
\end{tabular} & \begin{tabular}{l} 
Possessions \\
booked to date \\
\(\mathbf{2 0 1 1 - 1 2}\)
\end{tabular} & \begin{tabular}{l} 
Possessions \\
completed \\
\(\mathbf{2 0 1 1 - 1 2}\)
\end{tabular} & \begin{tabular}{l} 
Cancelled \\
possessions
\end{tabular} & \begin{tabular}{l} 
Possessions \\
outstanding
\end{tabular} \\
\hline 54 hr & 23 & 14 & 4 & 5 \\
\hline 29 hr & 15 & 11 & 1 & 3 \\
\hline 12 hr & 3 & 2 & 0 & 1 \\
\hline
\end{tabular}

12hr possession - Pelaw to Hebburn (Nov 20 now completed)
29hr possessions:
- Regent Centre to Airport (Bankfoot crossing and vegetation clearance Nov 27)
- Hadrian Road to North Shields (enabling works for Bridge infills and ballast retention Feb 2012)
- Regent Centre to Longbenton to South Gosforth (vegetation clearance March/April 2012)

54hr possessions:
- Meadowell to North Shields (North Shields refurbishment now complete)
- \(4 \times 54 \mathrm{hr}\) possessions Hadrian Road to North Shields (ballast retention and Bridge infills March 2012)

\section*{Programme for 2012/13}

Pre enabling works have been planned in the latter part of this financial year in order to carry out the blockade works in 2012-2013.

Key dates on which there will be no disruptive possessions are:
- Great North Run Sunday 16 \({ }^{\text {th }}\) September 2012
- Sunderland Air show \(21^{\text {st }} / 22^{\text {nd }}\) July 2012
- Olympics \(27^{\text {th }}\) July \(-12^{\text {th }}\) August 2012

Other dates for concerts and mini events are recorded for conflict purposes but are not expected to impact on the delivery of the ARP programmes.

Provisional programme for 2012/13:
- Chillingham Road to North Shields - 2 March to 11 March 2013 (9 days)
- Main blockade between Wallsend to Tynemouth - 11 August to 2 September 2012 (23 days)
- Gosforth Junction: Regents Centre to South Gosforth to Longbenton - 25 October to 5 November 2012 (10 days)
[possession plan - pdf file to be inserted here]
ARP Possession Year Plan 2011-2012


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\section*{Agenda Item 5}
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\section*{Tyne and Wear Integrated Transport Authority}

\section*{Metro Sub-Committee}

\section*{DATE: 8 December 2011}

TITLE: QUARTERLY PERFORMANCE REPORT - QUARTER 2 2011/12 - ASSET RENEWAL PLAN

REPORT THE DIRECTOR OF RAIL AND INFRASTRUCTURE, NEXUS
OF:
Not confidential
District Implications: All Tyne \& Wear

\section*{1. Summary / Purpose of Report}
1.1 This is the sixth quarterly report submitted to the Metro Sub-Committee in accordance with the Terms of Reference agreed by the Integrated Transport Authority in May 2010.
2. Recommendations
2.1 That Metro Sub-Committee notes this progress report.
3.

Introduction / Background
3.1 This report covers the period 24 July 2011 to 1 October 2011 (Periods 4, 5 and \(6)\).
3.2 The underlying message is that the forecast expenditure level has now stabilised at around 33.5 m which whilst still \(£ 2 \mathrm{~m}\) short of the target \(£ 35.5 \mathrm{~m}\) is comfortably within the \(\pm 10 \%\) tolerance limit on the funding available and provides a stable platform for the bringing forward of schemes from 2012/13.
3.3

A glossary of terms used in this report follows:
ARP - the 11 year Metro Asset Renewal Plan funded by government and local contributors.

Stage Gate - an eight stage process through which all proposals must pass from pre feasibility to project close out.

OTX - overtrack crossing for services
HVAC - heating, ventilation and air conditioning
PMO - Programme Management Office

\section*{4. \(\quad\) Highlights \& Key Issues}

\section*{\(4.1 \quad\) Period 4 Performance}

The forecast out turn of \(£ 33.5 \mathrm{~m}\) at the end of period 4 is low with respect to funding available of \(£ 35.5 \mathrm{~m}\) and the budget of \(£ 41.1 \mathrm{~m}\) (including \(10 \%\) over programming). A number of factors have contributed to this position:
- Time taken to deliver robust scope definition - driven by asset condition.
- Extensive application of Value Engineering techniques and further option evaluation to reduce costs and maximise value for money.
- Rescheduling of projects to accommodate additional design stage survey work to reduce contract risk.

Scheduling multiple projects into a single package to achieve contract savings.

\subsection*{4.2 Moving Forward}

Moving forward, in order to address out turn level, the main focus of period 5 is to review the projected forecast for 2011/12 and identify and implement options to bring forward expenditure from 2012/13 The following activities are being undertaken to support this:
- Programme/portfolio review to identify opportunities to group projects into an efficient work package for delivery this financial year,
- Review of the programme to identify opportunities for increased spend without impacting cost effectiveness.
- Review of project currently in 2012/13 to identify improvements/ minimise risks which will accelerate the programme, whilst maintaining efficiency savings,

To date the following options are under consideration:
- Earthworks and bridge projects - a substantial package of works has been identified with an opportunity for delivery in 11/12
- Materials procurement - long lead time steelwork.
- Additional procurement of station network replacement hardware in 11/12

Additionally focus in period 5 is concerned with:
- Increased emphasis on delivering against programme and Stage Gate milestones to ensure progress against plan is maintained.
- Completion of the transition from the consultant based Programme Management Office and Commercial function to a dedicated in-house Nexus team.
Actions are being led by the Project Managers, Engineers and PMO to manage the programme delivery.

\section*{4.3 \\ Period 5 Performance}

In response to the forecast out turn level at period 4 a number of actions were undertaken to bring forward projects with the aim of moving expenditure from \(12 / 13\) into \(11 / 12\). However as a consequence of further slippage and activity reprofiling the forecast at period 5 is almost unchanged.

Following on from period 4 reporting, period 5 is showing further evidence that the action plans in response to the lessons learned from Year 1 are successfully driving cost efficiency in delivery of projects. Project Managers are now typically presenting options within budget together with well-considered contract, packaging and risk mitigation strategies.

Additionally progress is being made in project definition and scope delivery and stage gate activity has increased sharply and new contract awards have been made.

During the period project plans have been reviewed and further progress has been made on determining the possession and blockade strategy for the coming 12 months. Project plans are now more robust and overall the level of risk in the programme has reduced although continued slippage has offset the effect of accelerated projects.

\subsection*{4.4 Moving Forward}

Moving forward, the main focus of period 6 as with period 5 is to review the projected forecast for 2011/12 and identify and implement options to bring forward expenditure from 2012/13 to maximise the use of MRG in year. This must be addressed with even greater urgency. The following activities are continuing to be undertaken to support this:
- Programme/portfolio review to identify opportunities to group projects into an efficient work package for delivery this financial year;
- Review of the programme to identify opportunities for increased spend without impacting cost effectiveness;
- Review of project currently in 2012/13 to identify improvements / minimise risks which will accelerate the programme, whilst maintaining efficiency savings; and
- Accurately identify and profile the first three year tranche of expenditure in order to establish the delta between the outturn cost and funding available. This is vital now both in terms of affordability and the forthcoming submission to DfT of the next three year programme (years 4 to 6 ).

Additionally, focus in period 6 is concerned with:
- Increased emphasis on delivering against programme and Stage Gate milestones to ensure progress against plan is maintained.
- Completing the transition to a fully Nexus resourced PMO and enhancing capacity in the Quantity Surveying function.

Actions are being led by the Project Managers, Engineers and PMO to manage the programme delivery.

\subsection*{4.5 Period 6 Performance}

In response to the forecast out turn decrease the programme and forecasts have been stabilised. There was a decrease of \(£ 33.8 \mathrm{~m}\) in the forecast out turn between periods 5 and 6 of £265k. This was primarily associated with efficiency savings of \(£ 577 \mathrm{k}\) identified the Wheel Lathe project due to value engineering on the civils element of the works and changes in the design and delivery the Control Room (HVAC). To offset the efficiency savings and decrease in out turn further work has been done to bring schemes forward from 2012/13. A significant amount of work is currently underway on a number of options to bring spend forward from 2012/13. Additional works from 2012/13 to the value of circa £3m are currently being developed to increase the current years spend. These options will materialise in the financial out turn from period 8.

Period 6 is showing further evidence that the Consolidation Action Plans in response to the lessons learned from Year 1 are successfully driving cost efficiency in delivery of projects. In addition to the efficiencies identified above further scope definition, engineering evaluations and asset knowledge have identified potential savings of \(£ 5.2 \mathrm{~m}\) for 2012/13 against the original plain line renewal estimate.

During the period project plans have been reviewed and further progress has been made on determining the possession and blockade strategy for the coming 12 months. Project plans are now more robust and overall the level of risk in the programme has reduced although continued slippage has offset the overall effect of accelerated projects.

\subsection*{4.6 Moving Forward}

The main focus of period 7 as with period 6 is to review the projected forecast for 2011/12 and identify and implement options to bring forward expenditure from 2012/13 to maximise the use of MRG in year.
- Development is currently underway to accelerate works for 2011/12 to the value of circa \(£ 3 \mathrm{~m}\) from subsequent years,

Additionally, focus in period 7 is concerned with:
- Increased emphasis on delivering against programme and Stage Gate milestones to ensure progress against plan is maintained.
- Completing the transition to a fully Nexus resourced PMO.

Actions are being led by the Project Managers, Engineers and PMO to manage the programme delivery.

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\section*{Agenda Item 6}

\section*{Tyne and Wear Integrated Transport Authority Metro Sub-Committee}

DATE: 8th December 2011
TITLE: QUARTERLY PERFORMANCE DATA - QUARTER 2 2011/12 - METRO OPERATING CONCESSION

REPORT THE DIRECTOR OF CUSTOMER SERVICES, NEXUS
OF:
Not confidential
District Implications: All Tyne \& Wear

\section*{1. Purpose of Report}
1.1 This is the sixth quarterly report submitted to the Metro Sub-Committee in accordance with the Terms of Reference agreed by the Integrated Transport Authority in May 2010.
2. Recommendations
2.1 That Metro Sub-Committee notes this progress report.
3. Introduction
3.1 This report covers the period 26 June 2011 to 17 September 2011(Periods 4, 5, and 6)
3.2 A glossary of terms used in the attached summary report follows:

Charter Punctuality - DBTW's measurement of train punctuality; measures the percentage of trains arriving within three minutes later or within 29 seconds earlier than scheduled.

Concession Agreement - the contract between Nexus and DBTW which governs all transactions and discussions between the two parties.

DBTW - Deutsche Bahn Tyne and Wear Ltd, the current operator of the Tyne
and Wear Metro through the Concession Agreement with Nexus
EWT (Excess Waiting Time) - the measurement used to calculate punctuality in a high-frequency operation; instead of measuring adherence to timetable, the measurement looks at the number of minutes a passenger is kept waiting above a reasonable threshold.

Failure - an occasion where the operator did not succeed in meeting its performance criteria on a specific occasion, resulting in a penalty being applied.

MAA - moving annual average; the average for the past 12 months including the periods being reported on.

Major Line Closure - a significant possession, leading to a long section of track being unavailable for normal passenger service over an extended time period.

OPR - Operational Performance Regime; the means by which train service performance is measured in terms of excess waiting time for customers and punctuality of first and last trains.

Period - 4-week periods (there are 13 in each financial year) used for financial accounting and performance measurement purposes.

Possession - a period of time when engineering works take place on a section of track, preventing normal passenger service from being provided.

RIDDOR - The Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (RIDDOR), place a legal duty on employers, self-employed people and people in control of premises to report to the Health \& Safety Executive: work-related deaths; major injuries or over-three-day injuries; work related diseases; and dangerous occurrences (near miss accidents).

SQR - Service Quality Regime; the means by which quality standards on stations and trains is measured

S\&T - Signals and telecommunications
4.1 Punctuality improved throughout the quarter, peaking in Period 6 at its highest level for 13 periods. This was a result of strong infrastructure and operational performance.
4.2 DBTW continued to perform strongly under the Quality Regime. The number of failures have remained below the MAA following both the appointment of a new cleaning contractor in the first quarter, and good compliance by DBTW with presentational requirements. However DBTW experienced difficulty in complying with the exterior Metrocar cleanliness measure following the breakdown of the depot car wash which will shortly be replaced under the Metro: All Change programme. DBTW have since employed extra staff to hand wash the vehicles.

NOTE: Under the Local Government (Access to Information) Act 1985 members of the public have a right to inspect any non-confidential background papers used in the production of a non-confidential report to the Authority. Requests for information should be made to the Department originating the report.
4.3 DBTW met their fleet reliability targets throughout the quarter. Door and S\&T faults continue to be the most numerous fault types, and the most common fleetrelated causes of delay to the service.
4.4 Sadly there was a trackside fatality at Jarrow during period 5 involving a member of the public.
4.5 The number of passenger accidents and assaults continued to be mixed with accidents being around DBTW's target figures but good performance being achieved on the number of passenger assaults. There was only one recorded passenger assault in Period 4, the lowest number since the letting of the operating concession in April 2010.
4.6 Under the Metrocar \(3 / 4\) Life Refurbishment Project (which DBTW is delivering on Nexus's behalf) at the end of the second quarter the first Metrocar was undergoing electrical testing and interior fit-out, the second unit was undergoing electrical installation and the third unit had been stripped down and inspected. Delays have been experienced, but the first two units have since been returned for commissioning during Period 7 .
4.7 Customer service highlights during the quarter included the successful management of additional Metro services for the Tyne \& Wear derby football game in P5 and the Sunderland Airshow in P4, both presenting unique challenges. All stations between Fellgate and South Hylton achieved the 'Safer Tram Stop' Award, six months ahead of the deadline in the Concession Agreement.

\section*{5 \\ Contact Officer (s)}
5.1 Tobyn Hughes, Director of Customer Services, Tel: 01912033246

NOTE: Under the Local Government (Access to Information) Act 1985 members of the public have a right to inspect any non-confidential background papers used in the production of a non-confidential report to the Authority. Requests for information should be made to the Department originating the report.
\begin{tabular}{|c|c|c|c|c|c|}
\hline & Benchmark & Period 4 & Period 5 & Period 6 & Comments \\
\hline OPR-(Excess Waiting Time) (see glossary) & \begin{tabular}{l}
12.63 \\
MAA to \\
P6 end
\end{tabular} & 11.14 & 11.64 & 11.09 & EWT was low throughout the quarter, driven by sustained infrastructure and operational performance. \\
\hline Charter punctuality (see glossary) & \[
\begin{aligned}
& 85.41 \% \\
& \text { MAA to P6 } \\
& \text { end }
\end{aligned}
\] & 84.91\% & 88.55\% & 89.80\% & Punctuality improved over the quarter, with the P6 figure being the highest in the previous 13 periods. \\
\hline SQR - Stations (no. of failures) & \[
\begin{aligned}
& 103.4 \\
& \text { MAA to P6 } \\
& \text { end }
\end{aligned}
\] & 72 & 79 & 86 & Strong performance continues, most common causes of failures continue to be light cleaning and graffiti. \\
\hline SQR - Trains (no. of failures) & \[
\begin{aligned}
& 112.9 \\
& \text { MAA to P6 } \\
& \text { end }
\end{aligned}
\] & 62 & 64 & 118 & Strong performance in P4 \& P5 offset by a large increase in failures in P6 as DBTW experience exterior cleaning difficulties following the break-down of the depot car wash. \\
\hline Fleet (Ave km per fault) & 12,000 DBTW target & 13,743 & 15,619 & 12,673 & Fleet performance remained above DBTW's target throughout the quarter. \\
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Fraud Rate \\
(\% ticketless \\
travel recorded)
\end{tabular} & \begin{tabular}{l}
4.5\% \\
Contractu al target
\end{tabular} & 3.68\% & 3.94\% & 4.11\% & \\
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