1. **Introduction**

The purpose of this summary report is to advise the Committee of the half year progress in the delivery of the capital projects and seek approval for the revised Mersey Tunnel 2013/14 Capital Programme.

2. **Background**

2.1 At its meeting of April 2013 the General Purposes Committee approved the overall Mersey Tunnels Capital Programme for 2013/14 which consisted of a number of major schemes along with a large number of smaller schemes and carry over schemes and accruals from 2012/13, with a total budget of £10.2m.

2.2 This report gives a review of our progress in delivering the 2013/14 programme in order to keep Members fully briefed of relevant issues.

3. **Programme Delivery 2013/14**

3.1 In total there are 67 schemes included in the Capital Programme. A full schedule of the works and budgets can be seen at Appendix A and B.

3.2 There has been good progress in the delivery of the programme with 14 of the 67 schemes now completed and a further 14 are on site being delivered.

3.3 Tenders being received are generally below the initial budget estimates reflecting competitive commercial prices being received, for example we are receiving extremely competitive quotes from consultants for carrying out surveys and design works through our professional framework agreement.

3.4 The largest of the schemes in the programme is the renewal of the tunnel high mast lighting. The project is progressing well being nearly 4 weeks ahead of programme.
3.5 The new lighting scheme is now operational at either end of the Kingsway Tunnel with the renewal of the Queensway lighting due for completion by Christmas 2013. The new LED lighting scheme is not only providing a significant reduction in energy/electricity usage but the quality of the lighting is much improved. There have been 4 overnight closures of the Kingsway Tunnel to allow removal of the redundant high mast columns which have been completed with minimum disruption to tunnel users. The original 2013/14 budget spend of £1.2M is likely to increase to £1.3M due to a number of variations incurred during the design and installation phases, though overall the costs will be within the £1.67M contract value for the project.

3.6 There is one outstanding issue relating to on-going discussions with Liverpool City Council regarding lighting of Scotland Road. The removal of the old tunnel high mast lighting means that there will be no lighting of a short section of Scotland Road. Merseytravel has put proposals to LCC to address this issue but has yet to receive any approvals to progress works. Discussions are also on-going with LCC regarding the land at the entrance to Queensway Tunnel (Old Haymarket) and its transfer into Merseytravel control by way of a Trust Agreement.

3.7 The next major scheme being progressed is the development of the new combined control room in Georges Dock Building. This scheme is being combined with a number of other projects to create a £850k programme of works as a single tender in order to seek best value. In addition to the combined control room the programme of works includes lift refurbishments, new boiler, rewire of main electrical distribution and renewal of flat roofs. A consultant has been appointed to develop the overall design packages with works to be let via the new M&E framework contract.

3.8 Tenders are due to be issued by the end of October with tender returns back before the end of November, however there is likely to be slippage of works into next financial year. A further report to the Committee for contract award will be submitted once the tenders have been received and assessed.

3.9 The other major scheme being developed is the project to resurface Kingsway Tunnel. Consultants have been appointed and the works are currently out to tender. As part of the scheme development it has been identified that in addition to resurfacing the tunnel the carriageway at either end of the tunnel also requires resurfacing.
3.10 As part of the tender process we have taken the opportunity to include pricing for these areas as well. The intention is to deliver the resurfacing in the tunnels and also resurfacing of the carriageway from Wallasey portal to the Wallasey toll plaza areas this financial year with resurfacing of the Liverpool approach roads next financial year. In light of this scope increase the overall budget has been reviewed and it is expected that the spend this year will increase from £500k up to £850k this year. The costs for the Liverpool approach road resurfacing will form part of next year’s capital programme.

3.11 Within the programme we had a budget of £100k for renewal of the fixed foam fire fighting system in the Kingsway mid river sump. The costs are currently being reviewed and we will tender the works through our new M&E framework contractors to seek competitive prices. This scheme may need to be undertaken in the next financial year.

3.12 One scheme that will not be progressed this year is the Renewal of Lane control system. The project is closely integrated into the new SCADA systems so the intention is to progress the design of the new systems once the designer and supplier of the new SCADA system has been appointed.

3.13 There are a number of other schemes that have not progressed as well as planned and whilst these schemes will continue to be developed this year there may be slippage of the schemes into next financial year. The affected schemes are:-

(a) Additional Barriers for slip roads
(b) Kingsway vent shaft refurbishments
(c) Kingsway carriageway drainage works
(d) Inspection and refurbishment of access ladders
(e) Leaky feeder upgrade works

3.14 This is just a brief overview of some of the schemes being undertaken this year and the full list can be viewed in Appendix A.

4. Additional Works

4.1 In addition to the approved list of schemes there are number of other schemes that have been identified as requiring to be progressed. These additional schemes are:-

(a) Liverpool Arched Approach
(b) Tree Felling
(c) Wallasey Training room
(d) Rewire garage area lighting
(e) North John Street electrical equipment room ventilation system
(f) CCTV Data Storage System Upgrade
(g) Wallasey Offices Air Con System refurbishment
(h) Kingsway Vent Station Fire Dampers
(i) Customer Information and Signage

4.2 Liverpool Arched Approach refurbishment

This project is to carry out the refurbishment of the arched approach area on the entrance to the Liverpool end of Kingsway tunnel. The area requires a major facelift and repainting and the works will be complemented by the on-going works to replace the booster lighting.

4.3 Tree Felling

This item is a safety related project for cutting back the large trees overhanging the Liverpool end of Kingsway Tunnel.

4.4 Training Room

As part of the on-going proposal for up-skilling staff we have recognised that we need additional training facilities. This project is for the conversion of a now disused room at Wallasey into a training room. The room will not only be available for Asset management staff but will be made available for all staff working at Wallasey.

4.5 Rewire of Garage area Lighting

This is a project to rewire and renew the garage lighting.

4.6 North John Street Plant Room Ventilation

This project is for the provision of new ventilation system for the electrical plant rooms within North John Street.

4.7 CCTV Storage System Upgrade

This project is to provide an additional ICT network server to provide additional storage for the CCTV images. Whilst the system is capable of providing 30 days of data storage for all cameras there is an issue when we are required to bookmark and store images relating to specific incidents. The additional storage will facilitate this image storage without impacting on the operational system.
4.8 Wallasey Asset Management Offices Air con Refurb

This project is to refurbish the existing air conditioning system at the Wallasey Asset management Offices. The control of the existing system is poor and unreliable leading to a poor office environment. This project will focus on the upgrade of the control system to ensure environment of the offices.

4.9 Fire Dampers

This project is to renew fire dampers to ensure the integrity of electrical equipment rooms in Victoria and Promenade ventilation stations

4.10 Customer information and signage

This project was for replacement of additional signage in line with the new tunnel toll price rises.

5. **Financial Issues**

5.1 The half year analysis shows that we have spent £2.3M out of the £10.2m budget.

5.2 Although expenditure in this first half of the year has been low, this was to be expected due to the large number of new start schemes requiring time for initial development, feasibility and procurement processes to be undertaken.

5.3 It is anticipated that expenditure will increase significantly in the second half of the financial year when the majority of the schemes are up and running.

5.4 However even with this increased rate of spend the overall expenditure is likely to fall below the £10.2M April approved Capital Budget for 2013/14. The main reason for this is the slippage of schemes as detailed in section 3.13.

5.5 Overall it is expected that the Capital Programme expenditure for 2013/14 will be revised to £9.3M.

5.6 The expenditure for each scheme is to date and forecast expenditure to year end is detailed in Appendix B

6. **Equality Impact Assessment**

Equality issues will be embedded in the development and delivery of individual schemes as they progress.
7. **Risk Assessment Implications**

7.1 As part of the commercial management of the Queensway Tunnel Cladding project £512k was withheld from the contractor whilst the final account was being agreed. The contractor BFG has now gone into administration and there is a risk to the finalisation and completion of this scheme. The current retention on the contract means that we have funds to complete the scheme but there are risks about securing the project documentation, as fitted drawings and replacement panels. Discussions are on-going with the various sub-contractors involved in the project to conclude the scheme.

7.2 This report considers a number of schemes which individually give rise to the following potential key risks:

(a) Project delay, contractor claim and overrun of project timescales.

(b) Health and Safety Risks to construction contractors, staff and Tunnel users.

7.3 The major schemes including the resurfacing of Kingsway Tunnel would score a high risk (Highly Probable and Substantial 4 x 4 = 16).

7.4 To mitigate against risk, officers have put in place a project management process whereby the project is reviewed on a monthly basis by the project team which then reports to the Head of Asset Management to regularly check project progress and costs to ensure schemes are delivered on time and within budget. Each scheme is also subject to the Merseytravel Safety Management System with detailed method statements and risk assessments reviewed and approved before any works are carried out on site. With this mitigation the risk will fall to a medium risk. (Unlikely and Substantial 2 x 4 = 8.)

7.5 The remainder of the Capital programme consists of smaller scale schemes which have been assessed as medium risk (Probable and Significant 3 x 3 = 9). Again through the application of similar methods of control with regular monthly meeting of project progress and costs schemes this mitigation will reduce level of project risk (Unlikely x significant 2 x 3 = 6).
8. **Environmental Implications**

8.1 The Mersey Tunnels capital programme will make a significant contribution to the current carbon management plan, for example the replacement of the high mast lighting with LED lighting will significantly reduce energy costs and our minimise our carbon footprint.

8.2 Environmental issues will also be addressed within each project to ensure we minimise any waste generated.

9. **Conclusions**

9.1 The first half of the year has had a slow spend profile as schemes have been developed and tendered, with current spend at half year of £2.3m.

9.2 Spend will pick up significantly over the second half of the year as tenders are approved and works take place on site.

9.3 Mersey Tunnels budget for 2013/14 has been set at £10.2m.

9.4 Following the half year capital review with regards to commitments it is expected that there will be slippage to the schemes and that the revised overall outturn expenditure for 2013/14 will be £9.3M.

10. **Recommendations**

Members are recommended to

(a) note the progress on the delivery of the 2013/14 Tunnels Capital Programme; and

(b) approve the proposed additional schemes as proposed in Section 4 of the report; and

(c) approve the increase in budget in respect of the extension of scope to the Kingsway Tunnel carriageway renewal to include the highway between Wallasey tunnel entrance and toll plaza; and

(d) approve the revised overall outturn expenditure for 2013/14 which is now estimated to be £9.3M.
Background Papers

(DIT/17/13) Mersey Tunnels Capital Programme 2012/13 – General Purposes Committee, April 2013

Report Prepared By

A Killen, Head of Asset Management
Gerry Nolan, Facilities and Works Manager, Asset Management

Contact for Media and Public Enquiries

Liz Carriage, Corporate Communications Manager
 Appendix A

Progress of Schemes 2013/14

This section of the report details the progress of the major schemes being delivered within the 2013/14 Capital Programme.

1. **Renewal Of Air Monitoring Sensors**
   
   This scheme is complete and the residual funding within the capital programme is to cover project retention.

2. **Renew Kingsway Approach Road Lighting**
   
   This scheme is complete and the residual funding within the capital programme is to cover project retention.

3. **Victoria & Promenade Vent Station Refurb**
   
   This scheme is complete and the residual funding within the capital programme is to cover project retention.

4. **Queensway Tunnel Road Deck Resurfacing**
   
   This scheme is complete and the residual funding within the capital programme is to cover project retention.

5. **Replacement Of Highmast Lighting (Lpool, Bhead, Wall)**
   
   This is the biggest scheme being delivered this year. Works are progressing well with completion currently 4 weeks ahead of programme. An additional £100k will be required from the 2013/14 programme, to complete these works this financial year.

6. **GDB New Windows**
   
   The works to refurbish the windows of Georges Dock Building have now been completed. The works are expected to be delivered within the original project budget but final account figures have yet to be finalised.

7. **Woodside Internal Building Overhaul**
   
   Works are progressing well with this project. The refurbishment of the upper floors is complete with the final phase of works being the refurbishment of the basement areas. Works are currently scheduled to complete this financial year and within the budget.
8. **Woodside Vent Station Window Renewals**

The necessary Listed Building Consent approvals have been obtained and the project is currently out for tender. The outcome of the tender will be submitted to members for confirmation of contract award. It is expected that works will complete this financial year.

9. **Automatic Incident Detection**

The new radar based automatic incident detection system has now been installed in both tunnels and is now going through the process of commissioning and testing to ensure that it meets design requirements.

In order to ensure comprehensive coverage within Queensway Tunnel an additional 2 radar heads were required (incurring additional costs of £42,000). The system once finalised will give an immediate alarm to the Police Control Room should any vehicle stop within the tunnels to ensure a prompt response to any incident.

It is expected that the project will be completed within the next 2 months.

10. **Vehicle Procurement**

We have now taken delivery of the new scissor lift vehicle and await delivery of the new breakdown recovery vehicle. We have reviewed the rest of the vehicle fleet and identified a couple of other vehicles that need renewal including a further transit van, access platform, mini road sweeper, police vehicle.

In addition we have taken on trial a Nissan Leaf electric vehicle to determine if this would be suitable for use around our estate.

11. **ASCOM Phone System Renewal**

New emergency phones have now been installed and commissioned within both tunnels. There are approx. 12 further phones to install on the Wallasey Approach roads which will be completed over the next 2 months. Whilst the scheme has slipped slightly costs are within the budget.

12. **Kingsway Pump Motor Control Panel Renewals**

This project is on-going and is being carried out by our own internal staff. The works are due for completion this financial year.
13. **Highway Grid Repairs - Wallasey Plaza**
   
   This project was completed on time and within budget in August and has significantly improved the highway environment around the Kingsway toll plaza area.

14. **Toll Collection Feasibility Study**
   
   The draft report has been received and commented on by Officers. The final report will be subject to a separate report to Members.

15. **Kingsway Lpool Side Approach Booster Lighting**
   
   A trial of new LED booster lights has been successfully completed and has shown that the low energy LED lights meet the lighting requirements. Works are planned for later this year to fit the new LED lamps into the existing fittings as well as a bulk lamp change for the Liverpool arched approach area.

16. **Queensway Tunnel HGV Vehicle Warning System**
   
   The new system screen has been installed at the entrance to the tunnel and commissioning tests are on-going with Liverpool City Council to ensure system operation.

17. **Queensway Booster Lighting**
   
   Works are programmed for delivery this financial year by internal staff.

18. **Access Control**
   
   The majority of the tunnels estate has had the access control system installed with the roll out planned for commissioning the equipment later this year.

19. **Invert Phones**
   
   The new phone system is in operation and we are working with ICT to agree the transfer of all phones onto the new system.

20. **Kingsway South Tube Renewal Of Walkway Decking**
   
   This scheme is now complete and though delivery was behind programme costs are below budget.

21. **Building Refurbishment**
   
   This scheme is now complete and though delivery was slightly behind programme costs are below budget.
22. **Electrical Renewals**

This scheme is complete following relamping of the invert areas with new LED lamps with works being delivered by internal labour and costs being within budget.

23. **Kingsway North Tube Renewal**

This scheme is now complete with works being delivered by internal labour and costs being within budget.

24. **Integration Of New Radio Channels**

This scheme is now complete and though works have been carried out to programme there has been an overspend on this project.

25. **Queensway Tunnel Drainage Feasibility Study**

This study is now complete though costs have yet to be finalised with the consultant.

26. **Kingsway Resurfacing & Traffic Calming**

This scheme was completed last year and the spend this year is to cover retention payments.

27. **SCADA**

SCADA (supervisory control and data acquisition) is the computer based system used to control all the engineering equipment including ventilation fans, pumps and lighting within the tunnels and is a major scheme with an overall budget of £3m.

Following appointment of our consultant we have now carried out a full system audit, review of other tunnel systems and prepared a detailed technical specification. A shortlist of tenderers has been prepared and the project tender will be issued this month.

28. **Kingsway Pump Renewals**

The new pumps have now been fitted into the Lime Kiln Lane pump room and tenders have been issued for the remaining 3 Kingsway pump rooms. Given the delivery time for the pumps it is not expected that the works will complete this year.

The costs for the 3 pumps at Lime Kiln Lane have been slightly higher than expected and the overall project costs may exceed current budget, with slippage into next year of approx. £50k. The contract award will be the subject of a separate report to the Committee.
29. **Tunnel Lane Control System Renewal**

Following a review of the procurement strategy it has been decided to defer this project and the budget of £400k until next financial year until such time as the SCADA project is up and running so that the technical interfaces between the projects can be identified and resolved.

30. **Fire Alarm System Upgrade**

The main contractor has been appointed and our specialist fire alarm system consultant has now approved the new system designs. Works can now progress on site with completion due by March 2014.

31. **Kingsway Tunnel Rewire**

The scheme at the design phase scope with the appointment of a design consultant is currently being tendered. Design is likely to take approx. 6 months.

This scheme will become the most significant investment in the tunnels with an estimated costs at this early stage of project development of approx. £8m.

The design will be subject to detailed review in order to ensure that the new electrical installation and tunnel lighting provides the best value for money.

32. **GDB - Renew Electrical Distribution Boards**

This is to replace life expired electrical switchboards within Georges Dock Building with the works being delivered as part of the combined control room project. The designs are being prepared and works will be tendered via the new M&E framework.

33. **Kingsway Tunnel Mid River Sump Foam Fire System Renewal**

Within the programme we had a budget of £100k for renewal of the fixed foam fire fighting system in the Kingsway mid river sump. The costs are currently being reviewed and we will tender the works through our new M&E framework contractors to seek competitive prices. This scheme may need to be undertaken in the next financial year.

34. **Refurbishment of Toll Booth Barriers**

These works are being delivered by our internal staff and are expected to be completed this financial year. Costs have increased from the original budget of £80k, to an expected £120k, due to the additional equipment being found to be requiring renewal including the purchase of 3 new coin sorters.
35. **Combined Control Room**

The next major scheme being progressed is the development of the new combined control room in Georges Dock Building. This scheme is being combined with a number of other projects to create a £850k programme of works as a single tender in order to seek best value. In addition to the combined control room the programme of works includes lift refurbishments, new boiler, rewire of main electrical distribution and renewal of flat roofs. A consultant has been appointed to develop the overall design packages with works to be let via the new M&E framework contract.

Tenders are due to be issued by the end of October with tender returns back before the end of November, however there is likely to be slippage of the combined control room works into next financial year with an expected spend this financial year of £400k. A further report to the Committee for contract award will be submitted once the tenders have been received and assessed.

36. **Promenade Vent Station - Overhaul Fans**

Replacement fan blades have been procured and are expected for delivery mid November with installation being carried out by our internal staff. The costs are expected to be £30k, a saving of £20k on the budget.

37. **Tolls Coin Conveyor System Renewals**

This project is now complete following renewal of the system air compressors, with works being delivered on time with a small overspend

Uninterruptable Power Supply (UPS) BATTERY RENEWALS

This project is on-going with a number of battery renewals now being completed.

38. **Kingsway Ventilation Shaft Refurb**

This scheme is likely to slip as further site surveys and investigations are required to develop the scope of works for each individual shaft (8 in total). A specialist contractor will be appointed to carry out these surveys this financial year, From a budget of £250k, £200k will need to be slipped into 2014/15 capital programme.
39. **Kingsway Slip Road Barriers**

This scheme is to provide additional barriers to close the Kingsway Tunnel approach road slip roads. The scheme has been developed in co-ordination with Tunnels Police and the civils element of the works will be completed this year.

40. **Inspect & Repair Ladders**

A review of this scheme identified a major schedule of works required. A package of works has now been prepared for all works to Queensway Tunnel and the works about to be sent out to tender. Given the scale of works this project will now be carried out over 2 financial years with an anticipated expenditure of £150k this year with significant expenditure, approx. a further £500k next year. A separate report will be submitted to the Committee for the necessary approvals to progress the works once the tenders have been fully assessed and evaluated.

41. **Hinson St Store**

The contract for the renewal of the roof has now been let and tenders will shortly be issued for a contractor to carry out the floor strengthening and lift works.

Overall costs for the scheme are expected to be within the original scheme estimated at £350k, and it is expected that works will be completed this financial year to the roof with the second phase to strengthen the floor likely to slip with a total spend this year over both phases of £250k and slippage of £100k into next financial year.

42. **Gore Link Approach Road Drains**

The main problem with regards to the progress of this scheme has been relating to the outfall of the drains being blocked. Investigations have found that our highway drain discharges through a Wirral Council drain with a final discharge to Bidston Dock which was filled in by Peel Ports. This means that the discharge point is blocked leading to flooding of the approach road at Poulton Bridge.

Negotiations have taken place with United Utilities and we have now been given permission on a temporary basis to access another drain system to enable suitable drainage of the highway. Discussions are also on-going with Wirral and Peel to provide a long term solution.

This scheme has therefore been delayed until later this year following resolution of these issues.
43. **Inspections & Assessments**

A programme of inspection and assessments has been prepared and is on-going. The inspections have covered principle bridge inspections. The surveys will continue with detailed inspections and assessment of all of the gantries in both tunnels.

44. **Kingsway Cross Gulley Refurb**

The repairs to the rocking cross gulley covers has been included within the Kingsway road surfacing project. Design consultants have been appointed with works due to start on site in Jan 2014.

45. **Kingsway Approach White Lining**

This scheme is now to be deferred until next year and will now follow the proposed resurfacing of the Liverpool approach road.

46. **Leaky Feeder System Upgrade**

An initial package of works has been carried out by the framework maintenance contractor and a detailed proposal for further works is currently being prepared. Overall spend is likely to be less than the original budget spend with cost of £150 this year with slippage of the remaining £100k into next.

47. **Kingsway Tunnels Resurfacing**

This is a major scheme being developed to resurface Kingsway Tunnel. Consultants have been appointed and the works are currently out to tender. As part of the scheme development it has been identified that in addition to resurfacing the tunnel the carriageway at either end of the tunnel also requires resurfacing.

As part of the tender process we have taken the opportunity to include pricing for these areas as well. The intention is to deliver the tunnel resurfacing in the tunnels and also resurfacing of the carriageway from Wallasey portal to the Wallasey toll plaza areas this financial year with resurfacing of the Liverpool approach roads next financial year. In light of this scope increase the overall budget has been reviewed and it is expected that the spend this year will increase from £500k up to £850k this year. The costs for the Liverpool approach road resurfacing will form part of next year’s capital programme.

48. **Kingsway Tunnel Drainage System**

The survey has now been completed, with costs well below the original budget. Works have been identified and are being addressed through
Projects 28 Kingsway Pump renewal and also Project 43 Gore Link approach road drains.

49. **Kingsway Elevated Control Refurbishment**

The long term future of the elevated control structure has yet to be determined and may be affected by the proposed new tunnel tolling strategy review. A decision has therefore been taken to scale back works on the structure to just the essential works to ensure asset safety. The planned expenditure this year will now reduce from £100k down to £50k.

50. **Ventilation Station Fan Overhauls**

This is a project to refurbish the ventilation fans serving Queensway Tunnel. The works for Georges Dock building have been tendered with a contract award due shortly.

51. **Queensway Tunnel Water Ingress Study**

A specialist consulting engineer has now been appointed to investigate the problem and provide options to address this water ingress.

52. **Tunnels Ventilation Study - Balancing Airflows**

This scheme is a continuation of last year’s study. The work to date has shown that the Kingsway Tunnel is over ventilated and that there is sufficient natural ventilation to allow safe operation of the tunnel without the need for any fans to run.

Further works and studies are on-going to confirm this and we have just recently completed a 2 week trial during which all fans were switched off. The results are promising but the detailed analysis has yet to be carried out to confirm if this can be extended into a permanent change of operation.

53. **Old Haymarket Purchase Of Land From LCC**

Discussions are on-going with Liverpool City Council over the land ownership of the car park at the entrance to Queensway Tunnel at Old Haymarket. The intention now is to enter into a Trust Agreement whereby Merseytravel will take over the responsibility for the site, but the land would transfer back to LCC if no longer required for tunnel operations.

54. **Refurbishment Of Sidney St Vent Station Building**

The project has been developed with a detailed scope of works for the refurbishment of the building. The works have been tendered and the
outcome of the tender will be subject to a separate report. Works are expected to be delivered this financial year at a budgeted cost of £650k

55. **Woodside Renew Transformers**

   The specification for the works has been prepared and will be one of the first projects to be delivered by the new M&E framework contract.

56. **Mobile VMS Sign**

   This project is to fund the purchase of a mobile variable Message Sign to give advanced notice to tunnel users of any problems/issues. The scheme specification is currently being prepared.

57. **Toll Office Intercom**

   This investment is to improve communication between tunnel customers and the Toll Supervisors. Each toll booth has a help point facility that notifies the supervisors when users need assistance. We are looking to develop a new system that will not only provide a help point link from each booth back to the supervisors office but will also provide a link to the staff whilst they are outside on the toll plaza area to improve speed of response. Initial feedback is that this new system will cost more than a straight forward like for like replacement system and so the budget for this scheme has been increased for £15k up to £30k.

58. **Condition Monitor Vent Fans**

   A trial system has now been developed and found to be robust and effective. Costs are now being obtained to roll out the system to cover all of the fans.

59. **Promenade Ventilation Station Wall Reconstruction**

   This scheme has yet to start but is only a minor refurbishment and should be delivered this year within budget.

60. **Queensway Birkenhead Flyover**

   A consultant has been appointed to develop this scheme. It is expected that the contract will be let this financial year but that the works will take several months to complete and will continue into next financial year, with a spend of £400k this year and the balance of a further £350k next year.
61. **Georges Dock Building Roof Renewal**
   This is now been included with the Combined Control room project, see item 35.

62. **Georges Dock Building Lift Refurb**
   This is now been included with the Combined Control room project, see item 35.

63. **Kingsway P&T Boiler Plant Renewal**
   This scheme is now complete having been delivered to programme and below budget

64. **Kingsway Renew Mid River Switchgear Panel**
   The new switch panel has been procured with delivery due within the next 6 weeks. Installation will take place in January. Current costs for the works are estimated at £50k.

65. **GBD Boiler Plant Renewal**
   This is now been included with the Combined Control room project, see item 35.

66. **Kingsway Discharge Pipework**
   This scheme is now complete.
**Retentions**

**Queensway Tunnel Cladding**

The main works were completed over a year ago but £500k was withheld from the contractor by way of a retention whilst final account negotiations were concluded. The contractor BFG has now gone into administration which will make closure of this project difficult see section 7.1 of the main report for details.

**PA System**

The contractor ADT have now commissioned the new PA system. We now await final documentation, system certification, staff training and equipment maintenance manual to complete the project and release the retention.
Appendix B

2013/14 Capital Programme