



## **RHONDDA CYNON TAF COUNTY BOROUGH COUNCIL**

### **CABINET**

**22<sup>nd</sup> MARCH 2018**

### **HIGHWAYS, TRANSPORTATION AND STRATEGIC PROJECTS – SUPPLEMENTARY CAPITAL PROGRAMME**

#### **REPORT OF THE GROUP DIRECTOR CORPORATE AND FRONTLINE SERVICES IN DISCUSSIONS WITH THE RELEVANT PORTFOLIO HOLDER (CLLR A MORGAN)**

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#### **1. PURPOSE OF THE REPORT**

Further to the approval of the Council's Three Year Capital Programme 2018/19 - 2020/21 on 28<sup>th</sup> February 2018 (Council), this report sets out the detailed capital programme for Highways, Transportation and Strategic Projects.

#### **2. RECOMMENDATIONS**

It is recommended that Members:

- 2.1 Note and approve the Supplementary Capital Programme for Highways, Transportation and Strategic Projects as detailed within this report.

#### **3. BACKGROUND**

- 3.1 This report considers the detail against the specific 2018/19 capital allocations of £11.772M in favour of Highways Technical Services and of £11.897M in favour of Strategic Projects. These allocations are being made in order to safeguard the long-term integrity of the highways and transportation network and to enhance it, so as to deal with ever increasing travel demands. Specific regard is given to promoting safer and more sustainable travel and to enabling economic activity. Detail for consideration by Cabinet is submitted under the following areas;

- Highways Improvements
- Land Drainage/Flood Risk Improvements
- Traffic Management
- Car Parks
- Transportation Infrastructure
- Making Better Use Programme (MBU)

- Developer Funded Infrastructure
- 3.2 The Council has been allocated £1.888M Welsh Government Road Refurbishment Grant and has been invited to submit bids for Welsh Government Grants related to;
- Road Safety (Capital and Revenue)
  - Safe Routes in the Community
  - Local Transport Network Fund
  - Local Transport Fund (including Active Travel)
- 3.3 The Council is also heavily engaged in the Cardiff Capital Region City Deal. At the present time Transport for Wales (TfW) is assessing bids submitted by three consortia for the Wales and Borders Rail Franchise and Metro project, against which £734M of City Deal funding is ring-fenced.
- 3.4 This initial investment on Metro will be focused largely on the Core Valley Lines electrification. Rhondda Cynon Taf will be a major beneficiary of this investment in the rail network, with new rolling stock, faster and more frequent rail services.
- 3.5 The Regional Cabinet has also agreed in principle to allocate up to £40M of City Deal funding towards Metro Central which involves redeveloping Cardiff Central Rail Station, creating an integrated transport hub capable of accommodating the significant passenger demand enabled by the wider Metro investment.
- 3.6 The contract for the new rail franchise and Metro is likely to be awarded during May 2018. There is potential to enhance the project with additional investment and these opportunities should become clear during first half of the 2018/19 financial year.

## **4 SUPPLEMENTARY CAPITAL PROGRAMME**

### **4.1 Highways Improvements**

- 4.1.1 The Highways Network represents the most significant asset of the Council, valued in excess of £3.4Bn and comprised of carriageways, footways, structures (bridges, retaining walls, culverts, etc.), street lighting, traffic signals and signs, safety barriers, highway drainage, etc.
- 4.1.2 At its meeting of 28<sup>th</sup> February 2018, Council approved the budgets for the Highway Improvement Scheme.
- 4.1.3 The network has now benefitted from seven years of enhanced levels of investment and this critically important additional funding will continue into 2018/19, improving and protecting the fabric of the highways network and dealing with the impact of winter weather conditions.
- 4.1.4 The total allocation of capital resources for the Highways Improvement Scheme, as included in the Capital Programme, is £11.772M and is broken down into works packages in the table below. This includes previously reported

slippage of £5.194M. Spending plans for this programme of works are detailed in this report.

<b>Works Package</b>	<b>Budget £M</b>
Carriageways	3.158
Footways	0.767
Vehicle Restraint Barriers	0.073
Disabled Access Improvements	0.030
Structures	7.394
Street Lighting	0.250
Car Parks	0.100
<b>Total (Including Slippage of £5.194M)</b>	<b>11.772</b>

The works proposed to be carried out are detailed in Appendix 1.

- 4.1.5 **Carriageways**; An identified programme of carriageway resurfacing and surface treatment to the value of £2.582M will be funded in 2018/9. This will be supplemented by a £0.576M allocation to carry out essential highway improvement repairs to larger areas which are identified through inspection during the course of the period.
- 4.1.6 **Footways**; Considered to be a high risk to the Council, it is proposed to allocate £0.767M to repairs which have been identified by inspectors or through specialist condition surveys.
- 4.1.7 **Street Lighting**; An ongoing programme of column replacement to the value of £0.250M will be implemented. Works are targeted at the replacement of life expired concrete columns and steel columns identified as high priority through structural testing and inspection.
- 4.1.8 **Safety Barriers**; An ongoing programme of renewal of vehicle restraint barriers and high priority repairs to damaged sections of barriers on the A road network to the value of £0.073M will be implemented over the funding period.
- 4.1.9 **Highway Disabled Access Improvements**; An allocation of £0.030M has been made to a programme which is likely to comprise small scale works at 10 to 15 locations yet to be identified.
- 4.1.10 **Highway Structures**; There are significant challenges associated with maintaining highway structures with a number of structures in a critical condition. A total budget of £7.394M (including £5.194M of previously identified slippage from 2017/18) has been allocated for 2018/19.
- 4.1.11 Structures schemes often have long scheme design / lead in periods and a high level of initial uncertainty over works costs as the scope of works often only becomes fully apparent during the design period. In order to progress design of schemes for inclusion in future capital programmes funding of £0.248M has been allocated to advance preparation.
- 4.1.12 As a result of the lead-times and slippage from 2017/18, there is a significant programme of structures works scheduled for delivery in 2018/19.

- 4.1.13 A design and build contract for the replacement Brook Street Footbridge, adjacent to Ystrad rail station is currently ongoing. This footbridge forms a link between Ystrad and Nant-y-Gwyddon Road and provides the only access to the northbound platform of Ystrad railway station for disabled people. It is an extremely large and complex scheme with very difficult site access, works over both a river and railway, and a requirement to maintain access to the northbound platform of the station. Considerations on the design are being carefully evaluated as a result of the Metro proposals which would affect the height of the bridge required. A funding allocation of £1.5M has been previously approved and £1.027M of this funding will carry forward into 2018/19.
- 4.1.14 The St. Albans Bridge in Tynewydd, which is one of the two routes providing access to the communities of Blaencwm and Blaenrhondda, requires replacement. A design and build contract for the replacement of the bridge has been recently awarded to Alun Griffiths (Contractors) Ltd. A funding allocation of £2M has been previously approved and £1.761M of this funding will carry forward into 2018/19.
- 4.1.15 The repairs to the network critical Sardis Road / Mill Street viaduct on the Pontypridd Gyratory have been ongoing. Whilst all works in the river have now been concluded, poor contractor performance and high river levels have meant that some joint and surfacing works will slip into 2018/19. A funding allocation of £0.734M had been previously approved and £0.082M of this funding will carry forward into 2018/19.
- 4.1.16 The Pont Rhondda Road Bridge in Llwynypia has had a weight limit imposed for a number of years due to its structural condition and requires replacement. A sum of £1.1M was approved in October 2017 for the construction works. The project is currently out to tender and is due to commence construction on site in May 2018. A further £0.400M allocation is made during 2018/19.
- 4.1.17 The Penrhys Road highway retaining wall, part of the cross valley highway network between Ystrad and Tylorstown, has evidenced movement which is causing longitudinal cracking of the highway. Investigation work has been undertaken and remedial works subsequently designed to alleviate this problem before there is further significant deterioration to this link. A sum of £0.487M was allocated in 2017 which will slip into 2018/19. The project is currently out to tender and works are scheduled to commence in early summer 2018.
- 4.1.18 Failure of a section of the Pontypridd Road River Wall, Porth was identified through cracking in the highway. Investigations have identified that the wall needs to be replaced or repaired. Temporary support of the wall is in place and the carriageway has been narrowed to reduce loading on the wall until permanent works can be carried out. Dwr Cymru Welsh Water (DCWW) is undertaking a significant programme of water main renewals between Maerdy and Pontypridd and are scheduled to replace their mains in Pontypridd Road by May 2018. The river wall repair works will be undertaken immediately after the DCWW water main works, utilising the same traffic management arrangements. A sum of £0.682M was allocated in 2017 which will slip into 2018/19.

- 4.1.19 The river wall to the rear of Llewellyn Street, Pontygwaith has been subject to scour and deterioration which has resulted in undermining of significant areas of the rear lane with potential for eventual encroachment to nearby properties. A project has been designed to repair the river wall with construction works scheduled for summer 2018. The estimated cost of the works is £0.350M.
- 4.1.20 Pontyclun and Pontcynon highway bridges have been inspected and repair works are required to be undertaken to prevent further deterioration of the structures. Estimated cost of both projects is a total of £0.147M. The works are scheduled for construction in summer 2018.
- 4.1.21 The Phase 1 repairs to Aberaman Bridge were successfully completed in 2016/17 with the Phase 2 works now scheduled to commence in May 2018. £0.287M of the previously approved budget of £0.781M will be expended in 2018/19.
- 4.1.22 Part of the works to repair the retaining wall, which supports the A4054 in Cilfynydd have been deferred into 2018/19 due to network issues. Previously approved works to the value of £0.057M will be carried out during 2018/9.
- 4.1.23 Due to delays in obtaining scheduled ancient monument consent from CADW, it has not been possible to complete the surfacing works to the William Edwards Bridge in Pontypridd during 2017/18 and £0.036M of previously approved works will be carried out in 2018/19.
- 4.1.24 The Heol Miskin Retaining Wall which supports the B4264 between Miskin and Pontyclun has been identified through movement and cracking in the footway to require repairs in order to arrest deterioration and prevent the need for more costly reconstruction works in the future. An allocation of £0.150M will be spent on works programmed to take place in autumn 2018.
- 4.1.25 The Heol Gwranon Bridge which supports the C181 in Rhigos, an essential link for school transport, has been identified to require strengthening. A reduction of the carriageway to one lane has been put in place over the bridge to minimise loading and repairs are required to reinstate the full use of the carriageway. A sum of £0.487M was allocated in 2017 which will slip into 2018/19. Works to the value of £0.230M will be carried out during 2018/19.
- 4.1.26 An inspection of the Hopkinstown River Wall which supports the A4058 has identified works required to arrest deterioration and prevent future more disruptive works to this essential main link to the Rhondda valleys. £0.150M has been allocated to carry out Phase 1 of these works in 2018/19 while design of phase 2 is progressed.

## **4.2 Land Drainage/Flood Risk Improvements**

- 4.2.1 The Capital Land Drainage Programme supports works on land drainage and flood alleviation schemes, which are of such scale that their cost places them outside the framework of routine maintenance that is supported by the revenue programme.

- 4.2.2 With regard to land drainage (Flood Alleviation) schemes, the Council is frequently able to benefit from Welsh Government grant support (85%) as the Land Drainage Authority under Section 59 of the Land Drainage Act 1991. In support of this process the land drainage capital programme identifies a number of project appraisals targeted at attracting external funding support. These appraisals will be carried out on a rolling 3-year programme with 1-2 completed per year.
- 4.2.3 Progression of schemes will be dependent on successful application for grant following the project appraisal process and through attracting other third party contributions. An allowance has been made within the drainage improvements programme for progression of such schemes in order to provide the required match funding.
- 4.2.4 In addition, the Mynydd yr Eglwys landslip continues to require ongoing monitoring by specialist geotechnical engineers.
- 4.2.5 The details of the Drainage Improvements Programme for 2018/19 of £0.235M is provided in Appendix 2.

#### **4.3 Traffic Management**

- 4.3.1 As part of its network management duties under the Traffic Management Act and the Highways Act, the Council has the ability to implement improvements to the management of traffic within the County Borough. Finance for the programme is provided by an allocation of core capital funding of £0.205M.
- 4.3.2 The Council's capital allocation will enable the implementation of small scale schemes and provide safety aids such as warning signs, the introduction of traffic orders and the provision of residents parking. Details of the 2018/19 Capital Programme are included in Appendix 3.

#### **4.4 Car Parks**

An ongoing programme of repairs and upgrades to the Council's car parks has been identified with a previous sum of £55k allocated in 2017/18, along with an additional £45k allocation in 2018/19.

#### **4.5 Transportation Infrastructure**

The total allocation for Transport Infrastructure for 2018/19 in the Capital Programme amounts to £10.339M and is allocated as follows: -.

##### **1. Mountain Ash Cross Valley Link - £5.050M**

Good progress is being made in respect of this project which has now been allocated over £9.418M including Local Transport Fund Grant from Welsh Government. A further bid for £1.5M in 2018/19 has been submitted. Planning consent has been secured for this project and Welsh Ministers have granted the Council authority to confirm the Compulsory Purchase Order process for land acquisition. Works to the Cardiff Road junction, demolition of Miskin Cottages and construction of replacement garages have all been completed. The A4059 junction works are ongoing and are scheduled for completion in

spring 2018. A design and build contractor (Walters Sisk) is currently concluding detailed design of the bridge link with construction anticipated to commence during the first half of the 2018/19 financial year.

## **2. Llanharan Bypass - £1M**

Scheme development has commenced on this project which will provide the eastern leg of the bypass as a continuation of the western leg already constructed by developers and subject to completion of the central section which is required to be provided by developers of adjacent residential development and phased to accord with triggers attached to their planning consents. The eastern leg will connect with the A473 to the east of Llanharan and reduce the impact of traffic along the existing route, providing relief for affected communities, particularly around Llanharan Square. It is anticipated that significant developer contributions will be secured to assist funding delivery of this project in future years. The Council also allocated a further £1M in October 2017.

## **3. Dualling A4119 Coedely to Ynysmaerdy (known locally as Stinkpot Hill) - £1M**

Scheme development has progressed to dual this existing single carriageway and substandard section of the strategic transport corridor linking the Rhondda Fawr with Llantrisant/Talbot Green and Junction 34 of the M4 motorway. The scheme proposes to extend the existing high quality dual carriageway from the M4 to Ynysmaerdy, right up to the Coedely roundabout which serves the strategic development site at Coedely. The current substandard single carriageway is perceived by developers as being a major barrier to development on this site. The scheme will therefore not only improve connectivity along this key corridor, but has the potential to act as a catalyst for development of this strategic site. The Council also allocated a further £1M in October 2017.

## **4. Llantrisant Community Route – Phase 2 - £0.075M**

After the successful completion of the first phase in 2017/18 a further £0.075m will be allocated for design and development of the next phase. This key active travel project will create a dedicated, traffic-free walking and cycling route on the former rail line.

## **5. Tonypandy Town Centre - £1.5M**

Project development has progressed through 2017/18 on the project to open up the pedestrian areas to traffic to support wider regeneration of the town centre. A further £1.5m has been allocated to allow detailed design and construction to take place in 2018/19. It is proposed to complete this project before December 2018.

## **6. Park and Ride Programme - £1.4M**

Successful delivery of Metro Phase 1 projects, yielding enhanced grant allocations, together with RCT commitments, has released £1.4M for

investment in additional Park and Ride capacity. The Park and Ride programme is intended to create additional parking capacity at rail stations across RCT to enable car drivers to switch to rail travel encouraging modal shift in favour of more sustainable forms of travel that contribute to reducing congestion on our road network and reducing harmful emissions.

- Car parking demand at Pontyclun Station exceeds capacity and creates issues with overspill parking in the vicinity of the station. In conjunction with Pontyclun Community Council, phase 1 is programmed to deliver 14 additional spaces during Q4 of 2017/18. An allocation of £0.4M for Phase 2 will see initial ground investigation and feasibility work commencing for the expansion of the existing Park and Ride Facilities adjacent to the station.
- £0.6M of this allocation will be invested in delivering phase 2 of Porth Park and Ride and follows the successful implementation of phase 1 and the rapid growth in usage. Phase 2 will involve creating additional parking to the north of the existing car park, incorporating additional land secured during phase 1, and will explore the potential for greater interchange between bus and rail at the station.
- Abercynon Park and Ride, which is now experiencing heavy demand, has already benefited from some minor improvements in 2017/18 with the creation of additional 11 spaces. With an RCT investment of £0.4M as match funding for a £1.5M bid to WG for LTF funding, Phase 2 has the potential to accommodate in excess of 300 parking spaces. This follows grant funded feasibility and ground investigation works undertaken in 2017/18.
- Park and Ride is a key element to enable mode shift and promote accessibility to the proposed Metro scheme and opportunities to add value to Metro will be kept under review as the scope and detail of the Metro project becomes clear.

The proposed Park and Ride programme is included in Appendix 4.

#### **4.6 Making Better Use (MBU) Programme- £1.0M + £0.05M**

- 4.6.1 During 2016/17 a Making Better Use (MBU) programme was introduced. The ethos of this programme was to identify low cost, high value improvements for congested sections of the Council's highways network, to improve traffic flows, ease congestion and have a positive impact on road safety.
- 4.6.2 The programme was continued in 2017/18 and has effectively delivered a number of successful projects. The programme now extends into 2018/19 for which an allocation of £1M is proposed with £0.05M from third party contributions. The proposed MBU programme is included at Appendix 5.

#### **4.7 Developer Funded Infrastructure**

- 4.7.1 Capital Investment in the transportation network to mitigate the transport impacts of new developments is secured from developers via S106 agreements.



4.7.2 Construction of major improvements to the A4119/A473 Roundabout at Talbot Green was completed in 2017/18 prior to the opening of any retail developments associated with the new town centre. £0.06M has been allocated in 2018/19 for residual works.

4.7.3 Attention is also drawn to:

- £30,000 noted under MBU as a contribution from the wind farm development towards the Hendreforgan, traffic calming.
- £20,000 via Sustrans to initiate a pilot project to encourage active travel to/from and in the community adjacent to Hawthorn Primary and Secondary Schools. The initiative is likely to generate innovative measures to enhance the active travel environment to promote safer and more active travel.

#### **4.8 Safe Routes in the Community/School - £0.1M**

4.8.1 Safe Routes in the community and routes to and from schools generally can benefit from grant from the Welsh Government. (See Section 5). However, a direct allocation of £0.1M is proposed for 2018/19 to extend the works carried out in 2017/18 at Porth into a second phase which is being used as match funding in support of a grant application.

### **5. EXTERNAL GRANTS**

5.1 At the time of drafting this report, over £5M of Welsh Government grants have been secured during 2017/18 via Local Transport Fund, Local Transport Network Fund, Road Safety Grant and Safe Routes to School Grant. The Council continues to explore the potential to accommodate 2017/18 Welsh Government budget underspends.

5.2 Bids were submitted during January / February for 2018/19 funding. It is anticipated that available grants will be confirmed during March 2018.

5.3 An indicative LTF Active Travel allocation of £0.337M has been made, which, subject to confirmation, will see the Integrated Network Maps developed across RCT, specifically;

- Rhondda Fawr, including link to Rhondda Tunnel feasibility/design) - RCT INM C6.
- Rhondda Fawr (detailed design) - RCT INM C6 (particular sections to be determined in 18/19).
- Llantrisant Community Route phase 2 (detailed design, ecology surveys, topographical surveys) - RCT INM S43.
- Cynon Trail remaining sections/failed ERM sections//link to Abernant Tunnel (feasibility/design) - RCT INM S5 / INM S12 / AT 22a, b, c, d, e, f, h, i, j, l, m, o.

- Rhondda Fach Community Route from Pontygwaith to Maerdy (feasibility/design) - RCT INM N2 / INM C1.

5.4 In addition, the late approval of £0.210M of Road Safety Capital grant for 2017/18 towards the Beddau Halt junction improvement scheme, included indicative support for funding towards the balance of the project costs during 2018/19 to enable completion of the project, which is currently under construction.

5.5 Finally, an allocation of £1.888M has been awarded to RCT as part of a Wales-wide £30M Welsh Government Road Refurbishment Grant. This funding is intended to support the maintenance of the Local Authority maintained highways network.

## **6. EQUALITY AND DIVERSITY IMPLICATIONS**

6.1 Equality and Diversity issues will be considered as part of determining the final detail of the proposed schemes.

## **7. CONSULTATION**

7.1 There are no consultation requirements relating directly to the report but the proposed schemes will (or have) involve varying degrees of consultation, some of which will relate to statutory processes (such as Traffic Regulation Orders).

## **8. FINANCIAL IMPLICATIONS**

8.1 The funding allocation to support schemes contained within this report was agreed by Council on the 28<sup>th</sup> of February 2018 as part of the three year Capital Programme 2018/19 to 2020/21. This report does not commit any additional spend over and above this agreed allocation.

## **9. LEGAL IMPLICATIONS OR LEGISLATION CONSIDERED**

9.1 There are no legal implications as a result of the recommendations set out in this report.

## **10. LINKS TO THE CORPORATE AND NATIONAL PRIORITIES AND THE WELL-BEING OF FUTURE GENERATIONS ACT.**

10.1 This investment programme supports the Council's Corporate Plan Priority 'Place – creating neighbourhoods where people are proud to live and work'.

10.2 The programme is wide ranging. It deals with the maintenance and provision of transport assets created in order to meet travel demand. The programme supports enhanced connectivity to link homes with employment opportunities, education and health facilities, and to act as a catalyst for development and regeneration. A range of sustainable and active travel opportunities are promoted.

10.3 The programme supports the Well-Being goals fostering prosperity and resilience with inclusive and sustainable transport options supporting more cohesive and vibrant communities.

## 11. CONCLUSIONS

- 11.1 The above programme identifies continued significant investment in our highways and transportation infrastructure and is accordingly recommended for Cabinet approval. Consequently, Highways and Streetcare Services will coordinate and deliver significant investment in a number of important areas during 2018/19.
- 11.2 Following on from the last seven years of the highly successful highways investment programme, our highway network will benefit in 2018/19 from £11.772M of funding. This investment will continue to improve and protect the fabric of the highways network and to deal with the impact of winter.
- 11.3 The Welsh Government LGBI programme concluded in 2014/15 and combined with core capital resources totalled an unprecedented £51M investment programme over 7 years. This has enabled significant improvement in the condition of the highway network.
- 11.4 Rhondda Cynon Taf is one of the few Councils that has been able to continue to make meaningful and significant investments in its highway network since the demise of LGBI funding. The table below demonstrates the level of progress that has been made. The 2017/18 condition data is not yet available but the early indication is that further improvements will be seen.

Indicator	2010/11 Indicator	2016/17 Indicator
THS011a – percentage of A class roads requiring maintenance	16.2%	5.6%
THS011b – percentage of B class roads requiring maintenance	15.2%	6.1%
THS011c – percentage of C class roads requiring maintenance	15.3%	10.2%
THS012 – percentage of all classified roads requiring maintenance	15.7%	7.2%

- 11.5 A further indicator of benefits of the investment and the resultant improvements to the condition and fabric of our carriageways and footways is provided by data related to Highway Related Insurance Claims. The numbers of claims received (primarily related to slips, trips and falls) during 2011, when the enhanced investment commenced, was at 437 claims. The number of claims received in 2017 had reduced to 134. This not only reduces the Council's financial exposure to claims but offers the added value of; reducing demand on health care, reducing lost working time, and improving general productivity.
- 11.6 The Council, in common with all LAs across the UK faces significant challenges in maintaining this enormous and complex asset. It is encouraging that Welsh Government has recognised these challenges and initiated a Road Refurbishment Grant across Wales. The indicators above are directly impacted by the levels of funding available to maintain the asset. Whilst there is clearly a level of funding required in maintaining asset condition in a steady state,

reducing funding below an optimum level creates greater challenges for the future. The ongoing level of investment respects that principle and should continue to see the highway network in Rhondda Cynon Taf improving in comparison with other local authorities.

- 11.7 The condition of the Council's highways structures assets is recognised as a significant challenge with enhanced capital and revenue funding allocated during 2017/18 continuing with £7.394M available to invest in 2018/19.
- 11.8 The continued commitment of the Council to invest in enhancing transport infrastructure amounting to £10.339M for 2018/19 will see further progress in delivering a range of projects that will improve connectivity, stimulate economic activity and help to deal with increased demand for travel. The funding also promotes safe, active and sustainable forms of travel that seek to give car drivers alternative, more sustainable travel options.
- 11.9 This capital programme enables the Council to be pro-active in securing Welsh Government funding arising from underspend by other authorities or via underspends across wider Welsh Government budget heads. In-year allocations were successfully secured under various grant headings during 2017/18 with total grant allocations now exceeding £5M. Further opportunities to accommodate in-year underspend have been highlighted and promoted to Welsh Government. This principle can now be carried forward to enable us to accommodate potential underspends in 2018/19. At the time of writing, grant allocations for 2018/19 are awaited.
- 11.10 The £1.2Bn City Deal will deliver transformational improvements to the regional transportation network in the form of the Metro, together with other regionally significant projects. There will be opportunities to identify and support further enhancements to Metro that may offer high value to Rhondda Cynon Taf
- 11.11 The programme may be subject to minor changes due to possible engineering difficulties or programming and coordination issues with statutory undertakers.

## Appendix 1

### Proposed Carriageway Capital Programme 2018/19

<i>Street No</i>	<i>Street Name</i>	<i>Town</i>	<i>Treatment</i>	<i>Budget</i>
	Project Management			£50,000
	Mini Planer Patching Programme	Various		£300,000
	Emergency Repairs	Various		£276,000
	Park Road	Aberaman	Surface Treatment	£10,000
	Aman Street	Cwmaman	Strengthen	£14,000
	Elm Street	Abercwmboi	Strengthen	£31,000
	Dan yr Rhiw	Cwmaman	Surface Treatment	£6,000
	Park View Terrace	Abercwmboi	Surface Treatments	£27,000
	Homerton St	Tyntetown	Strengthen	£10,000
	Tresillion Place	Abercynon	Overlay	£6,000
	Pontcynon Terrace	Tyntetown	Inlay	£10,000
	Woodland Crescent	Abercynon	Strengthen	£40,000
	Walter Street	Abercynon	Surface Treatment	£12,000
	Station Road	Abercynon	Surface Treatment	£21,000
	Taff Terrace	Abercynon	Strengthen	£25,000
	Caemaen Street	Ynysboeth	Strengthen	£27,400
	Martins Lane	Abercynon	Strengthen	£14,000
	Elm Grove	Gadlys	Surface Treatment	£9,700
	Nith Street	Aberdare	Strengthen	£4,200
B4276	Merthyr Rd	Llwydcoed	Strengthen	£15,000
	Clive Street	Trecynon	Surface Treatment	£5,000
	Cwmdare Road	Aberdare	Surface Treatment	£23,000
	Chalvington Close	Beddau	Strengthen	£20,000
	Heol Seward	Beddau	Surface Treatment	£44,000
	Ael y Bryn	Beddau	Strengthen	£16,000
	Brynderw	Beddau	Strengthen	£10,500
	Swyn y Nant	Church Village	Surface Treatment	£9,800
	Clydach Road	Clydach Vale	Strengthen	£75,000
	Morton Terrace	Clydach Vale	Surface Treatment	£22,400
	Morgan Row/Pond place	Cwmbach	Surface Treatment	£10,000
	Cenarth Drive	Cwmbach	Surface Treatment	£14,000
	Morgan St	Cymmer	SR	£13,000
	Llandaff Way	Trebanog	Inlay	£7,500
	St. John's St	Glynfach	Strengthen	£35,000
	Craig Crescent	Trebanog	Surface Treatment	£14,000
	Wind St	Blaenllechau	Traditional	£20,000
A4233	East Road	Ferndale	Surface Treatment	£32,000
	Oak Street	Gilfach Goch	Surface Treatment	£24,000
	Thomas Street	Gilfach Goch	Surface Treatment	£24,000
	Orchard Drive to Conway Drive	Glyncoch	Strengthen	£16,000
	Darren Ddu Rd	Glyncoch	Surface Treatment	£13,000
	Conway Close	Glyncoch	Strengthen	£45,000
	Grovers St	Graig	Strengthen	£20,000

	Kirkhouse St	Graig		£10,000
	Heol y Bwnsi	Upper Boat	Surface Treatment	£10,000
A4054	Cardiff Road	Hawthorn	Strengthen	£35,000
	Fairview	Hirwaun	Strengthen	£32,000
	Penyard Road	Hirwaun	Strengthen	£15,000
	Danygraig Tce	Llanharan	Inlay	£13,500
	Swan street	Llantrisant	relay cobbles	£20,000
	Heol Iscoed	Efail Isaf	Strengthen	£30,000
	Mountain View	Llwynypia	Traditional	£7,000
	Salem Terrace (elevated section)	Llwynypia	Overlay	£7,000
	Fox St	Caegarw	Strengthen	£20,000
	Fforest Road	Mountain Ash	Surface Treatment	£25,000
	Lower Richmond	Caegarw	Strengthen	£18,000
	Lon y Felin	Mountain Ash	Surface Treatment	£7,500
	Oak Terrace	Perthcelyn	Inlay	£4,000
	Hazel Terrace	Perthcelyn	Strengthen	£10,000
	Baglan Street	Pentre	Strengthen	£22,000
	John Street	Pentre	Strengthen	£30,000
	Albert Street	Pentre	Surface Treatment	£21,000
	Albert Street	Pentre	Strengthen	£16,000
	Mikado Street	Penygraig	surface treatment	£15,000
	hill street	Penygraig	Strengthen	£16,000
	Wyndham street	Penygraig	surface treatment	£17,000
	Ger y Bont	Penywaun	Strengthen	£18,500
	Bryn Rhos	Penywaun	Strengthen	£21,000
	Ely street	Pontyclun	Strengthen	£10,000
	Clun Avenue	Pontyclun	Surface Treatment	£21,500
	Heol y Felin / Tegfan	Pontyclun	Surface Treatment	£29,000
	Stuart Street	Pontyclun	Strengthen	£9,000
	Priory Close	Pontypridd	Strengthen	£9,000
	Pen-y-Darren Close	Pontypridd	Strengthen	£14,000
	Graig-yr-Hesg Road	Pontypridd	Strengthen	£18,000
	Morgan St	Porth	SR	£55,000
	Chapel Road to Lamb Road	Penderyn	Surface Treatment	£20,000
	Gelliwion Road	Pontypridd	Overlay	£25,500
	Llandraw Road	Maesycod	Surface Treatment	£9,000
	Danylan Road	Maesycod	Surface Treatment	£13,000
	Eglwysillan Rd	Pontypridd	Surface Treatment	£40,000
	Laburnum Terrace to Poplar Road	Rhydyfelin	Surface Treatment	£2,500
	Lanelay Park	Talbot Green	Surface Treatment	£6,000
	Pinewood Hill	Talbot Green	Strengthen	£26,000
	Road to Gedrys farm	Garth	Overlay	£38,000
	St Johns Road	Tonyrefail	Strengthen	£25,000
	Pretoria Road	Tonyrefail	Strengthen	£25,000
	Cross Street	Pontypridd	Surface Treatment	£2,000
	North Street	Pontypridd	Surface Treatment	£5,000
B4278	Trealaw Road	Trealaw	Surface Treatment	£44,000
	Lewis St & Lawn Terrace	Treforest	Strengthen	£56,000
	Mary Street	Treherbert	Traditional	£10,000
	Castle Street	Cwmparc	Strengthen	£30,000
	Cemetery Road	Treorchy	Surface Treatment	£11,000

A4061	High Street	Treorchy	Surface Treatment	£19,000
	Madeline Street / Tanybryn	Pontygwaith	Strengthen	£70,000
	Chapel Street	Pontypridd	Strengthen	£18,000
	Tylorstown S/C	Tylorstown	Strengthen	£65,000
	Hendrefadog Street	Tylorstown	Strengthen	£15,000
	Tanybryn Terrace / Fenwick Street	Pontygwaith	Surface Treatment	£15,000
	Deri Terrace	Pontygwaith	Surface Treatment	£20,000
	Brewery Street	Pontygwaith	Strengthen	£20,000
	Woodland Road	Tynant	Surface Treatment	£6,500
	Forest Road	Tynant	Surface Treatment	£11,000
	Pleasant View	Tynant	Surface Treatment	£8,000
	Moorland Crescent	Beddau	Surface Treatment	£15,000
	Upper Gynor Place	Ynysir	Traditional	£35,000
	Brynfynnon	Ynysybwll	Surface Treatment	£150,000
	Avondale Road	Gelli	Strengthen	£25,000
A4058	William St / Gelligaled rd	Ystrad	Strengthen	£250,000
			<b>Total</b>	<b>£3,158,000</b>

### **Proposed Footway Capital Programme 2018/19**

Street No	Street Name	Town	Treatment	Budget
	Woodland Terrace	Godreaman		£12,000
	Bassett Street	Abercynon		£20,000
	Park Street	Abercynon		£50,000
	Ann Street	Abercynon		£10,000
	Park View	Abercynon		£1,500
	Nantylfedw	Abercynon		£10,500
	Upper Regent Street	Aberdare		£8,500
	Wind Street	Aberdare		£15,500
	Ty Fry	Aberdare		£21,000
	Alder Drive	Cwmdare		£3,000
	Railway Street	Trecynon		£2,000
	Tudor Terrace	Trecynon		£3,500
	Hillside	Cwmdare		£6,000
	Fern Crescent	Cwmdare		£5,500
	Maesmaelwg,	Beddau		£15,000
	Yorkdale	Beddau		£50,000
	Ty Draw	Church Village		£10,000
	Pant Farm	Cwmbach		£50,000
	Conway Drive	Cwmbach		£20,000
	Glyn St, Glynfach	Porth		£15,000
	Graigwen Road	Cymmer		£30,000
	Trehafod Road	Trehafod		£15,000
	Various Dropped Kerbs	Gilfach Goch		£15,000
	Ashford Close	Glyncoch		£5,500
	Lancaster Drive	Llantwit Fardre		£5,000
	Mountain View	Llwynypia		£20,000
	Fox Street	Caegarw		£7,000
	Tanycoed Street	Penrhiwceiber		£10,000

	James St, Jones St, Hughes St	Penrhiwceiber		£17,000
	Queen Street	Pentre		£35,000
	Thomas St	Pentre		£9,000
	Penygroes	Groesfaen		£15,000
	Graigwen	Pontypridd		£15,000
	Bryngwyn Street	Porth		£7,500
	Heol y Graig	Rhigos		£1,500
	Woodland Park	Penderyn		£3,500
	RHIW'R DDAR	Taffs Well		£14,500
	Brecon Way	Tonteg		£4,500
	Radnor Drive	Tonteg		£5,000
	Dunraven St	Tonypandy		£20,000
	Primrose Street	Tonypandy		£27,500
	Gilfach Road	Tonyrefail		£10,000
	Pinewood Drive	Trealaw		£22,000
	Eileen Place	Tynewydd		£35,500
	Clinic Rd	Ynyswen		£10,000
	Woodland Road	Pontygwaith		£25,000
	Penrhys Estate	Penrhys		£20,000
	Buarth y Capel	Ynysybwl		£17,000
	Ystrad Rd	Ystrad		£16,000
			<b>Total</b>	<b>£767,000</b>

### **Proposed Disabled Access Improvements Programme**

Street No	Description	Budget
	Various – Continuation of the rolling programme of disabled access improvements	£30,000
	<b>Total</b>	<b>£30,000</b>

### **Proposed Safety Barriers Programme 2018/19**

Street No	Description	Budget
	Various – Continuation of the rolling programme of repair renewal of vehicle restraint systems primarily on the A road network	£73,000
	<b>Total</b>	<b>£73,000</b>



### **Highway Structures Schemes 2018/19 (Including reported slippage)**

Street No	Street Name	Town	Treatment	Budget
	Advance Preparation	Various	Preparation of future schemes	248,000
B4375	Aberaman Bridge	Aberaman	Concrete Repairs	287,000
A4054	A470 Cilfynydd Wall	Cilfynydd	Repointing	57,000
	Tyntyla Footbridge	Ystrad		200,000
A4223	William Edwards Bridge	Pontypridd	Waterproofing / antiskid	36,000
A4058	Sardis Road & Mill Street Viaduct	Pontypridd	Expansion Joints	82,000
	Pontypridd Rd River Wall	Porth	Reconstruction	682,000
	Heol Gwrangron Bridge	Rhigos	Refurbishment	230,000
A4222	Pontyclun River Bridge	Pontyclun	Masonry Repairs	92,000
B4275	Pontcynon River Bridge	Abercynon	Masonry Repairs	55,000
	Pontygwaith River Wall	Pontygwaith	Reconstruction	350,000
B4264	Heol Miskin Wall	Miskin	Masonry Repairs	150,000
A4058	Hopkinstown River Wall	Pontypridd	Masonry Repairs	150,000
	Brook St. Bridge	Ystrad	Replacement	1,027,000
	St. Albans Bridge	Tynewydd	Replacement	1,761,000
	Pontrhondda Bridge	Llwynypia	Replacement	1,500,000
B4512	Penrhys Road, Ystrad	Penrhys	Stabilisation	487,000
			<b>Total</b>	<b>£7,394,000</b>

## **Proposed Street Lighting Programme 2018/19**

<b>Scheme Name</b>	<b>Activity</b>	<b>Budget</b>
Tir Meibion Lane, Llantrisant	Replace Life Expired Concrete Columns	£10,000
Various streets Pontyclun Including, Fairview Close, Heol Y Felin, Miskin Crescent, Rhyd Y Nant, The Chestnuts	Replace Life Expired Concrete Columns	£50,000
Various streets Pontypridd Including Rock Cottages, Merlin Close, Footpath side Pontypridd RFC, Rock Cottages, Cliff Terrace, Brook Street Treforest.	Replace Life Expired Concrete Columns	£45,000
Various Streets Porth Including Williams Place, Thomas Place, West Taff Street, Lower Bailey Street, John Street	Replace Life Expired Concrete Columns	£35,000
Various Streets Tonypandy Including Institute Road, Jones Street, Oak St, Penpisgah Road, Taff Street, Zion Terrace, Turberville Street	Replace Life Expired Concrete Columns	£100,000
Highlands Tonyrefail	Replace Life Expired Concrete Columns	£10,000
	<b>Total</b>	<b>£250,000</b>

## Appendix 2

### Proposed Land Drainage/ Flood Risk Management Capital Programme 2018/19

<b>Scheme/Location</b>	<b>Activity/Work</b>	<b>RCT £</b>	<b>WG Grant/ other £</b>	<b>Total £</b>
Land Drainage Improvements Allowance for progression of schemes after completion of appraisal and FRMP- Assumes WG Approval	Design & Works (15% Match Funding)	40,000		<b>40,000</b>
Land Drainage Improvements	Project Appraisal Feasibility/Business case development for Areas shown as high risk in FRMP.	15,000		<b>15,000</b>
Mynydd-Yr-Eglwys, Ystrad	Monitoring & Remedial Works	15,000		<b>15,000</b>
Small Works Budget	Small scales works <£8,000 to reduce impact of surface water flows affecting properties and the highway (@approx 7 Locations)	40,000		<b>40,000</b>
Aberhondda Road,	Groundwater/Mine water has emerged within a footway, affecting the footway and issues to the boundary of properties; a multiagency working group is scoping the delivery of a scheme to mitigate the issue.  Match funding (50%) contribution to progress delivery of multiagency scheme.	65,000	65,000*	<b>130,000*</b>
Park Road, Cwmparc	Replace approx 90m of highway carrier drain	50,000		<b>50,000</b>
Hafod Lane, Trehafod	Control of debris washed down from hillside at times of heavy rain.	10,000		<b>10,000</b>
<b>Total</b>		<b>235,000</b>	<b>65,000*</b>	<b>300,000*</b>

\* Potential third party contribution and total with contribution.

### Appendix 3

<b>Traffic Management Programme 2018/19</b>	<b>Cost (£)</b>
Disabled Persons Parking Permits	10,000
Minor schemes, signs and markings	98,000
Collision Cluster and Capital Programme Review	5,000
Small scale traffic regulation orders (Speed limit, Road Safety and community benefit)	40,000
Residents Parking Review	40,000
Remedial works resulting from Safety Audits on previous schemes	5,000
Development of schemes for 2018/19 onwards	7,000
<b>Total</b>	<b>205,000</b>

In addition to the above the Traffic Management team will be responsible for delivering a number of Education and Lifelong Learning funded projects throughout the borough including the mid Rhondda Schools programme.

#### Appendix 4 – Park and Ride Programme.

<b>Scheme/Location</b>	<b>Work Description</b>	<b>RCT (£)</b>	<b>Other (£)</b>	<b>Budget (£)</b>
Abercynon P&R – Ph2	Phase 2 – Development of 300+ space P&R	400,000		400,000
Porth P&R – Ph 2	Phase 2 – New Car park and integration feasibility.	600,000		600,000
Pontyclun P&R – Phase 2	Phase 2- Development of extension of existing Park and Ride Adjacent to Station.	400,000		400,000
<b>Totals</b>		<b>1,400,000</b>		<b>1,400,000</b>

NB Abercynon P&R is subject of a £1.5M bid for WG LTF grant

## Appendix 5 – “Making Better Use” Programme.

Scheme/Location	Work Description	RCT (£)	Other (£)	Budget (£)
<b>Highway Network Improvements</b>				
Bridge Street R/About, Pontypridd.	Bus Priority Lane.	150,000		150,000
A4059 Asda R/About Aberdare and B4275 Aberaman	Capacity and Flow enhancements to NW arm of the roundabout and right holding lane on B4275 junction with Industrial Estate.	440,000		440,000
<b>Road Safety/Active Travel/Traffic Flow Improvements</b>				
Various	Grant Funding Match Allowance	100,000		100,000
Beddau Halt, (Llantrisant Road/Gwaunmiskin Road Junction), Beddau	Junction Improvements	70,000		70,000
Pencoedcae	20mph Zone	20,000		20,000
Abercwmboui	Traffic management and crossing improvements	30,000		30,000
Thai Elephant, Cymmer	Puffin Crossing	100,000		100,000
Hendreforgan, Gilfach Goch	Traffic Calming	10,000	30,000	40,000
Assessment of pedestrian crossing provision	<ul style="list-style-type: none"> <li>i. Holly Street, Rhydyfelin</li> <li>ii. B4278 Brithweunydd Road, Trealaw</li> <li>iii. A4059, New Road, Mountain Ash</li> </ul>	20,000		20,000
A4054 Cardiff Road Hawthorn	Joint Active Travel Initiative - Sustrans Pilot Project focused on Hawthorn Primary and Secondary Schools	20,000	20,000	40,000
A4054 Cardiff Road, Nantgarw	Construct footway from Crosskeys Inn N/B Bus stop to Parc Nantgarw.	40,000		40,000
<b>Totals</b>		<b>1,000,000</b>	<b>50,000</b>	<b>1,050,000</b>

NB

Beddau Halt is subject to a WG Road Safety Capital Bid, following £0.210M grant funding in 2017/18.