

**AGENDA ITEM 9****RHONDDA CYNON TAF COUNTY BOROUGH COUNCIL****CABINET****24th November 2015****COUNCIL INVESTMENT PRIORITIES – MID YEAR REVIEW  
– SUPPLEMENTARY CAPITAL PROGRAMME FOR HIGHWAYS,  
TRANSPORTATION AND STRATEGIC PROJECTS****REPORT OF THE GROUP DIRECTOR CORPORATE AND FRONTLINE  
SERVICES IN DISCUSSIONS WITH THE LEADER OF THE COUNCIL, CLLR A  
MORGAN.****Author: Roger Waters, Service Director Highways and Streetcare Services.  
Tel 01443 494702****1. PURPOSE OF THE REPORT**

Further to the approval by Council of the Council Investment Priorities – Mid Year Review on 28th of October 2015, this report seeks approval of the detailed capital programme for the Highways and Streetcare Service in accordance with the Investment Priorities under; Roads and Structures and Transportation Infrastructure.

**2. RECOMMENDATIONS**

It is recommended that Cabinet:

- 2.1 Note and approve the Supplementary Capital Programme detailing Investment Priorities for Roads and Structures and Transportation Infrastructure as detailed within this report.

**3. BACKGROUND**

- 3.1 In order to provide the necessary detail for consideration by Cabinet this supplementary paper is submitted providing the detail of the Investment Priorities for the following areas;

- Roads and Structures
- Transportation Infrastructure

**4. SUPPLEMENTARY CAPITAL PROGRAMME****4.1 Roads and Structures**

The Highways Network represents the most significant asset of the Council, valued in excess of £3.4Bn and comprises of carriageways, footways, structures (bridges, retaining walls, culverts, etc.), street lighting, traffic signs, safety barriers, highway drainage, etc.

Following on from the last four years of the highly successful highways investment programme our Highways Infrastructure network will benefit from this additional funding. This investment will continue to improve and protect the fabric of the highways network and deal with the impact of winter weather conditions.

Additional works programmes for the remainder of 2015/6 and 2016/7 have been prepared based on the £1.44M of 2016/7 highways capital allocation presented in the Council's Three Year Capital Programme Report of 25<sup>th</sup> March 2015, £0.8M Earmarked Reserves and the additional £3.8M funding allocation in respect of the Council's Investment Priorities reported to Council on 28<sup>th</sup> October 2015. The allocation of this budget (£6.04M) is outlined below;

Carriageways: An identified programme of carriageway resurfacing and surface treatment to the value of £1.468M will be funded in 2016/7. This will be supplemented by a £0.52M allocation to carry out essential highway improvement repairs to larger areas which are identified through inspection during the course of the period.

Footways: are considered to be a high risk to the Council and it is proposed to allocate £0.762M in 2016/7 to repairs which have been identified by inspectors or through specialist condition surveys.

Structures: There are significant challenges associated with maintaining highway structures with a number of structures in a critical condition. This is compounded by high scheme costs and long scheme design / lead in periods.

The bridge expansion joints on the A472 Bridge at Fiddler's Elbow, which is jointly owned with Merthyr Tydfil County Borough Council, have failed and need to be replaced as soon as possible. There are 8 very large complex joints on this structure and it is estimated that these works will cost £1.8 to £2M which will be split equally between Rhondda Cynon Taf and Merthyr. A £0.5M allocation made in the 2015/6 capital programme will be supplemented by a further £0.5M allocation. Design work is advanced with works being coordinated across programmes to ensure construction works on this structure are coincident with reduced traffic flows of the summer months of 2016 in order to minimise disruption to the highway network.

The Cilfynydd Road Wall which bounds the A470 Trunk Road has been identified as being in a very poor condition. Urgent works are ongoing at this location and an allocation of £370k will be made for the ongoing works and phase 2 of the repairs which will be implemented in 2016/7.

Gyfeillon Bridge is a life expired temporary bailey bridge structure which crosses the river to the west of the A4058 Gyfeillon Road, between Hopkinstown and Trehafod, north of Pontypridd. The proposal is to undertake preparatory works to the bridge abutments, including buttressing to the eastern abutment, before implementing an overnight road closure on the A4058 to accommodate a large crane which will be engaged with lifting out the existing bridge deck and lifting in a new purpose designed pre-fabricated bridge deck structure.

Royal Oak Bridge. Further to the approval of the Highways, Transportation and Strategic Projects – Supplementary Capital Programme by Cabinet on 16<sup>th</sup> April 2015 which allocated £210k to carry out concrete repairs to the structure, during detailed design it became apparent that the extent of works required is greater than anticipated and the scheme is likely to cost £360k. An additional £150k will be allocated to this scheme.

A WRAP Grant of £180k has been awarded to the Council to carry out strengthening works to the Glan Mychydd Fach Bridge. This grant will cover the construction costs, but the council will incur additional design / consultancy fees of £35k.

A list of the 10 highest priority structures schemes is shown below with estimated scheme costs. It must be stressed that these estimates are at a very early stage and are likely to change as further inspections, testing and design work is carried out. Advance scheme preparation work will commence on all 10 schemes in 2015/6 to refine the estimates and a further report detailing which schemes will be implemented in 2016/7 will be presented at a later date. Design work on the remaining structures will be advanced as far as possible so that future funding allocations can be based on more detailed estimates and schemes can be implemented more quickly once funding is allocated.

Structure Name	Works	Estimated Value
Tyntyla Footbridges	Replace Footbridges	£ 650,000
William Edwards	Waterproof surfacing, seal joints between steps and parapet	£ 140,000
Sardis Road and Mill Street Viaduct	Concrete repairs to cantilever beams, condition of bearings, cracks to abutments and pier, replace service ducts, replace asphaltic plug joints, resurface	£ 140,000
Ynyswen Road Bridge	New bridge deck	£85,000
Cwmaman Footbridge	Refurbishment	£100,000
<b>Total</b>		<b>£1,115,000</b>

Pont Rhondda (Sub Standard)	Replace structure	
St Albans – Option 3A – complete deck replacement utilising existing piers (Sub Standard Structure)	Replace Bridge Deck	
Castle Ivor (Ford Road) (Sub Standard)	Suggested 17t weight limit	
Berw Road (White) Bridge	Concrete repairs	
Brook Street Footbridge	Replace Footbridge	

Street Lighting; An ongoing programme of column replacement to the value of £0.49M will be implemented over the remainder of 2015/6 and 2016/7. Works are targeted at the replacement of life expired concrete columns and steel columns identified as high priority through structural testing.

Safety Barriers; An ongoing programme of renewal of vehicle restraint barriers on the Bwlch, Rhigos and Maerdy Mountains, along with high priority damaged sections of barriers on the A road network to the value of £0.14M will be implemented over the funding period.

Highway Disabled Access Improvements; have in previous years been concentrated on larger scale works to improve accessibility in town centres. There is little more that can be achieved in these locations and the emphasis of the works will shift towards improvements identified and requested by disabled highway users. The programme is likely to comprise small scale works at 5 to 10 locations yet to be identified.

The proposed allocation of funding against schemes is as set out in detail appendix 1.

In summary the £6.04M of funding is allocated as follows –

- Carriageway Resurfacing Programme - £1.468M
- Essential Highway Improvement repairs - £0.52M
- Footways - £0.762M
- Structures - £2.65M
- Streetlighting - £0.490M
- Safety fencing - £0.14M
- Highway Disabled Access Improvements - £0.01M

## 4.2 Transportation Infrastructure

The proposal is to provide direct funding for a range of projects to improve accessibility, reduce congestion, encourage sustainable travel and improve road safety.

Additional works programmes in the areas of strategic transport improvements, traffic management, safe routes in communities and road safety for the remainder of 2015/6 and 2016/7 have been prepared based on an additional £4M of funding for these strategic projects.

**Stag Square, Treorchy** – proposals will be developed and, subject to consultation, a scheme will be implemented to resolve current levels of congestion by introducing innovative methods of managing congested public areas within town centres. **£0.75M.**

**Safe Route to School – Brynteg Lane, Llantrisant** – linking the communities of Llantrisant and Brynteg by providing a footway along Brynteg Lane and creating a safe route to Bryncelynnog School which responds to recent catchment changes. The scheme will further enhance active travel by providing a controlled pedestrian crossing at the B4595, immediately to the north of Llantrisant Leisure Centre. **£0.7M.**

**Safe Route to School – Pedestrian Crossing – A4054 Cardiff Road (Castle Bridge) Treforest** – providing a crossing to maintain a safe route between the communities of Rhydfelin and Treforest and assisting pupils attending Parc Lewis School and for pupils travelling in the opposite direction. **£0.08M**

**Road Safety – Nant-Y-Gwyddon Junction, B4223 Nant-Y-Gwyddon Road** – revisions to the layout of this complex junction to rationalise conflicting traffic movements and improve safety. **£0.165M.**

**Road Safety – Hopkinstown** – traffic calming and 20mph zone to improve safety in the residential streets to the north of the A4058 in the vicinity of Telelkebir Road. **£0.035M.**

**Road Safety – Trallwn** – traffic management measures to assist in mitigating impacts of peak hour rat –running through this community. **£0.02M.**

**Road Safety – Station Road/B4595 Main Road Junction Church Village** – providing pedestrian phases to the existing traffic signalised cross-roads junction to safeguard and promote pedestrian movement at this busy junction. **£0.1M.**

**Strategic Network Improvement – Cynon Gateway South – Mountain Ash Cross Valley Link** – develop proposals and commence land assembly to deliver the long-standing aspiration to create a cross-valley link to improve access to Mountain Ash and to relieve growing congestion on the A4059 strategic route and associated town bridge junctions. The investment will also enhance opportunities to seek third party funding. **£1.95M.**

**Design & Feasibility Programme - £0.2M**

Funding to undertake feasibility studies and develop projects to inform future programmes and to support bids for external funding

This summarises the investment in Transport Infrastructure in the sum of £4M.

## **5 EQUALITY AND DIVERSITY IMPLICATIONS**

- 5.1 An Equality and Diversity Impact Screening has been carried out and this did not highlight potential impacts.

## **6 CONSULTATION**

- 6.1 Consultation with relevant parties will be considered, and where deemed appropriate, undertaken on an individual scheme by scheme basis.

## **7 FINANCIAL IMPLICATION(S)**

- 7.1 As outlined in Section 4 of the report, the necessary resources have been set aside to fund the proposed recommendations.

## **8 LEGAL IMPLICATIONS OR LEGISLATION CONSIDERED**

- 8.1 This investment will assist the Council in discharging its statutory duty to maintain the Public Highway. All Procurements and Contracts intended to be let in respect of the above Schemes will need to be in accordance with current UK Legislation and EU Directives as well as complying with the Council's Contract Procedure Rules.

## **9 LINKS TO THE COUNCIL'S CORPORATE PLAN / OTHER CORPORATE PRIORITIES/ Single Integrated Plan.**

- 9.1 This proposal reinforces the priorities set out in the Rhondda Cynon Taf Single Integrated Plan by maintaining/improving the highways infrastructure.

## **10. CONCLUSION**

- 10.1 The Council is facing an unprecedented financial challenge over the next 3 years. Notwithstanding this challenge, the Council has identified an opportunity to continue to invest in our highways and transportation infrastructure.
- 10.2 The programme will support the maintenance of the Council's largest asset; the highways network, and enhance the transportation network with some key

interventions that the Council aspires to provide. Some of these have proven to be difficult to fund via third parties, grants, etc.

- 10.3 Members are requested to note that the programme is as always subject to minor changes due to possible engineering difficulties or programming and coordination issues with statutory undertakers.
- 10.4 Members are requested to note and approve the programme of Investment Priorities related to Highways and Structures and Transportation Infrastructure.





**Appendix 1****Proposed Carriageway Capital Programme 2016/17**

Street	Street Name	Town	Treatment	Budget
	Maesyffynon Lane	Aberaman	Strengthen	£26,400
	Mostyn Street	Abercwmboi	Inlay	£8,650
A4054	Travellers Rest to Boundary	Abercynon	Surface Treatment	£76,800
	Greenfield Terrace	Abercynon	Surface Treatment	£35,600
C108	Church Lane	Church Village	Inlay	£13,700
A473	Church Village Bypass - Roundabouts	Church Village	Surface Treatment	£60,000
	Ffordd-y-Bedol, Bridge to Ynys Hir	Coed y Cwm	Surface Treatment	£30,000
	Heol Pen Y Foel	Coed y Cwm	Inlay	£4,200
	Cwmneol Street	Cwmaman	Strengthen	£15,500
C259	Canal Road	Cwmbach	Surface Treatment	£50,000
	Maelgwyn Terrace	Gadlys	Inlay	£16,300
	Glenavon Terrace	Gilfach Goch	Strengthen	£45,800
	Ffordd-y-Bedol	Glyncoch	Strengthen	£40,900
	Maindy Road	Graig	Overlay	£8,300
	Hillside Avenue	Llanharan	inlay	£13,400
	Fforest road	Llanharry	Inlay	£7,400
C262	Llwynypia Road	Llwynypia	Strengthen	£78,500
	Jeffrey Street	Mountain Ash	Strengthen	£39,500
A468	Nantgarw Hill	Nantgarw	Surface Treatment	£178,400
A4054	A470 to Crochendy R/A	Nantgarw	Surface Treatment	£22,500
	Harcourt Terrace	Penrhiwceiber	Surface Treatment	£16,150
	Cynon Terrace	Penrhiwceiber	Surface Treatment	£10,000
	Llewellyn Street	Penygraig	Inlay	£14,850
	Tylacelyn Rd to Hughes St	Penygraig	Strengthen	£10,000
	Hughes Street	Penygraig	Strengthen	£13,750
A4222	Cowbridge Rd	Pontyclun	Surface Treatment	£43,900
	South Street	Pontypridd	Strengthen	£15,000
	Bryngwyn Street	Porth	Strengthen	£12,000
	Park Crescent	Porth	Inlay	£10,750
A4233	Rheola Bridge Roundabout	Porth	Inlay	£31,900
	Cefn-Llechau Road	Stanleytown	Strengthen	£62,400

Street	Street Name	Town	Treatment	Budget
A4119	Talbot Green to Ely Meadow R/A	Talbot Green	Surface Treatment	£88,000
	Heol Pentwyn	Thomastown	Strengthen	£22,100
	Old Street	Tonypandy	Strengthen	£49,400
	The Avenue	Tonyrefail	Retread	£58,750
B4278	Trealaw Road	Trealaw	Surface Treatment	£40,300
A4233	Trebanog Hill	Trebanog	Inlay	£22,500
	Cliff Terrace	Treforest	Strengthen	£8,800
	Collins Terrace	Treforest	Strengthen	£9,400
A4054	Treforest Ind Est	Treforest	Surface Treatment	£77,600
C258	Coedcae Road	Trehafod	Surface Treatment	£25,000
	Charles Street	Treherbert	Strengthen	£32,750
	Glan-yr-afon	Treorchy	Strengthen	£20,850
				<b>£1,468,000</b>

### **Proposed Capital Footway Programme 2016/17**

Street	Town	Extents	Budget
Jubilee Road	Aberaman	On plan	£750
Cardiff Road	Aberaman	On plan	£3,650
John Street	Abercwmboi	103-104	£750
Birchgrove	Aberdare	Entire Street	£23,800
Carlton Crescent,	Beddau	o/s the following 1+2, 3+4, 5+6, 7, 9, 10,13+14, s/o 28, 29+30, 31+32, 35 to end, 36 to end, 43 to opp 16, 48 to end	£17,400
Heol Cawdraf,	Beddau	Whole Street	£11,600
Heol ap Pryce,	Beddau	Whole Street	£12,180
Heol Gelynog	Beddau	Whole Street	£13,340
Heol Caerlan	Beddau	5 to end and 6 to end	£7,700
Batten Way	Cilfynydd	Jnc Wood Road to opposite Brookside	£3,500
Cilfynydd Road	Cilfynydd	No 98 to No 112	£7,500
Clwyd Avenue	Cwmbach	24 To 18, 16 To 14, 10 To 4, 15 To 13, 11 To Junction With Llangorse Road	£10,750
A4059 Canal Road	Cwmbach / Cefnpennar	On plan	£13,900
Beechwood Avenue	Cwmdare	On Plan	£4,630
Lincoln Street	Cymmer	1 to 36	£20,900

Street	Town	Extents	Budget
S/O 42 Taff Street (Link F/Way)	Ferndale	No 42 to Station Road and back to Taff Street	£4,060
Taff Street	Ferndale	42 to S/O New Build	£4,160
Bronllwyn Rd (No's 52 - 75)	Gelli	No 52 to No 75	£8,930
Glamorgan Terrace	Gilfach Goch	No1 to No18, Garage on corner to No 59	£16,400
Cefn Lane	Glyncoch	No's 46 - 58	£3,850
High View Way	Glyncoch	18-32	£3,750
Gilfach road	Hendreforgan	junction with rear of Ffordd Llanbad - 300m east	£17,400
Penyard	Hirwaun	Junct Elm Grove to Court Villa	£11,020
Robert Street	Llanharan	from No2 to No 24, from lane to rose terrace both sides of the street,	£6,500
Bridgend Road	Llanharan	From Turning to the garage opposite No 7 to Jubilee Street	£35,000
Mayfield Place	Llantrisant	Whole Street	£20,300
Holyrood Tce	Llwynypia	No 1 to No 24	£12,540
Dolynog	Penderyn	On Plan	£5,600
Llwynfen Road	Pontyclun	whole street	£29,700
Lanwood Road	Pontypridd	No 12 to No 38/40, No 51 to No 91, No 42 to No 66	£31,500
Leslie Terrace	Porth	Opp 57 to 95	£17,400
Davies Street	Porth	1 to 41	£34,100
Birchgrove Street	Porth	54 to 87 & 88 to 120	£47,300
Heol y Bryn	Rhigos	On Plan	£17,800
Holly Street	Rhydyfelin	no 51to No 43, No 70 to No 57, No 40 to No 27, the whole length of the flats No 27 Beachwood street to No 17, entrance to school to junction with Lime street,	£47,000
Maes-y-Rhedyn	Talbot Green	No 30 to no 29, No 24 to No 18, outside No 15	£4,800
Albion St	Ton Pentre	No 1 to No 11	£6,270
Conway Crescent	Tonteg	No 14 to No 44, No 7 to No 79,	£22,800
Kenry Street	Tonypandy	No 8 to No 69	£37,820
Trallwn Disabled Access	Trallwn	Various Trallwn	£10,000
Ton Hywel	Trebanog	1 to 42 & 42 to S/O 285 High Street	£33,350
Ivor Street	Trehafod	No 19 to No 12, No 12 to No 13 Great St,	£12,200
S/O 9 Ael-Y-Bryn	Treherbert	S/O No 9	£2,400
High Street	Treorchy	207 - 225 & 1 -11	£37,400

Street	Town	Extents	Budget
Commercial Street	Tyn-Y-Nant	No 99 to No 85 and returned to lane behind house, No 96 to No 84 and returned down the side of the house, No 83 to no 41 returned to lane behind house both sides, No 82 to No 40 returned down the side of house both sides, No 39 to No 33 and returned behind house	£28,800
Hillside Terrace	Wattstown	No 76 to No 84	£7,150
Ynyshir Road	Ynyshir	90 to Library	£7,700
Clydach Road	Ynysybwl	Northern Side from No 12 to Clydach Terrace	£24,650
			<b>£762,000</b>

### **Proposed Additional Capital Structures Programme 2015/16/17**

Scheme	Description	Budget
Fiddlers Elbow Bridge	Replacement of expansion joints (joint scheme with MTBC) – Total Cost to RCT £1M partly funded by £500k 2015/6 Capital allocation	£500,000
Cilfynydd Wall	Reconstruction / repair of retaining wall	£370,000
Gyfeillion Bridge	Replacement of Bailey Bridge	£220,000
Royal Oak Bridge	Additional repair works – Replacement of Bearings and Expansion Joints	£150,000
Glan Mychydd Fach Bridge	Design / Consultancy costs associated with WRAP Grant	£35,000
Top 10 Structures	Progression of inspection, testing and design of schemes	£260,000
Top 10 Structures	Implementation of works (5 prioritised and named structures)	£1,115,000
	<b>Total</b>	<b>£2,650,000</b>

### **Proposed Capital Disabled Access Improvements Programme 2016/17**

Scheme	Description	Budget
Highway Disabled Access Improvements	Continuation of the rolling programme of disabled access improvements	£10,000
	<b>Total</b>	<b>£10,000</b>

**Proposed Additional Capital Safety Barriers Programme 2015/16/17**

Scheme	Description	Budget
Safety Barriers	Continuation of the rolling programme of repair / renewal of vehicle restraint systems primarily on the Bwlch, Rhigos and Maerdy mountain roads and damaged sections on other A roads	£140,000
	<b>Total</b>	<b>£140,000</b>

**Proposed Essential Highway Improvement / Repairs Programme 2016/17**

Scheme	Description	Budget
Essential Highway Improvement Repairs	A programme of essential highway improvements to be identified on a case by case basis	£520,000
	<b>Total</b>	<b>£520,000</b>

**Proposed Capital Street Lighting Programme 2015/16/17**

Scheme	Description	Budget
Egypt Street, Trealaw	Replace life expired concrete columns	£10,000
Hirwaun Industrial Estate	Replace badly corroded steel columns	£105,000
Hopkinstown Road Pontypridd	Replace life expired columns	£35,000
Trealaw Road Tonypany	Replace life expired columns and undergrounding of 2-wire overheads	£40,000
Collena Road / Tynybryn Road / Penrhiwfer Road / Ely Valley Road Tonyrefail	Replace Life Expired Columns	£110,000
Various Streets Treorchy and Pentre Including Ton Row, Parry Street, Maindy Croft, Park Crescent, Clarence Street	Replace life expired concrete columns	£48,000
Hawthorn Park, Llanharran	Replace life expired concrete	£12,000

	columns	
Bryngolau, Caergwerlais, Tonyrefail	Replace life expired concrete columns	£50,000
Tyfica Road, Lanpark Road, Gelliwasted Grove, Whiterock Close, Nuns Crescent. Pontypridd	Replace life expired concrete columns	£50,000
Llanharry Road Pontyclun	Replace life expired columns	£30,000
<b>Total</b>		<b>£490,000</b>