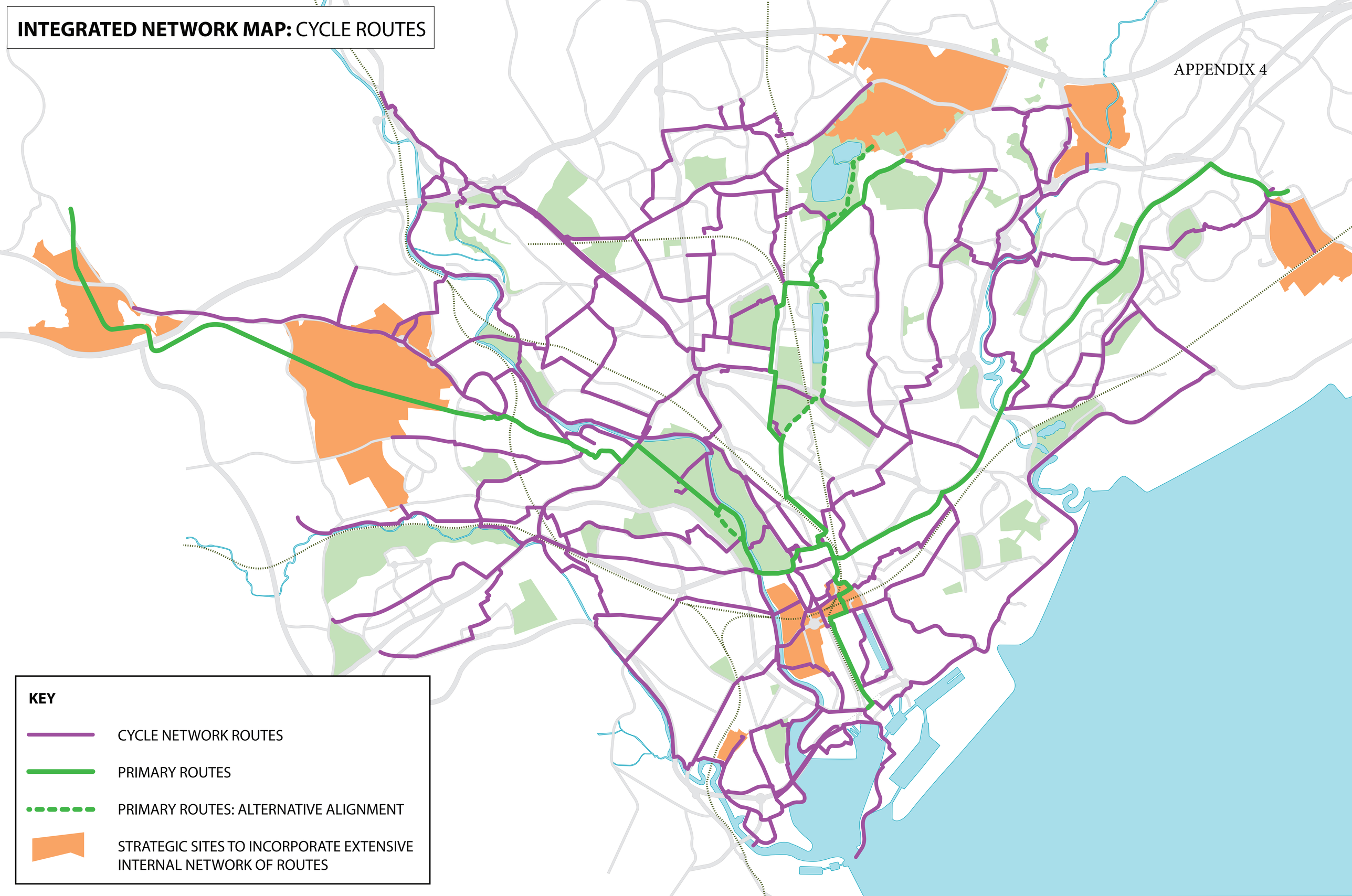
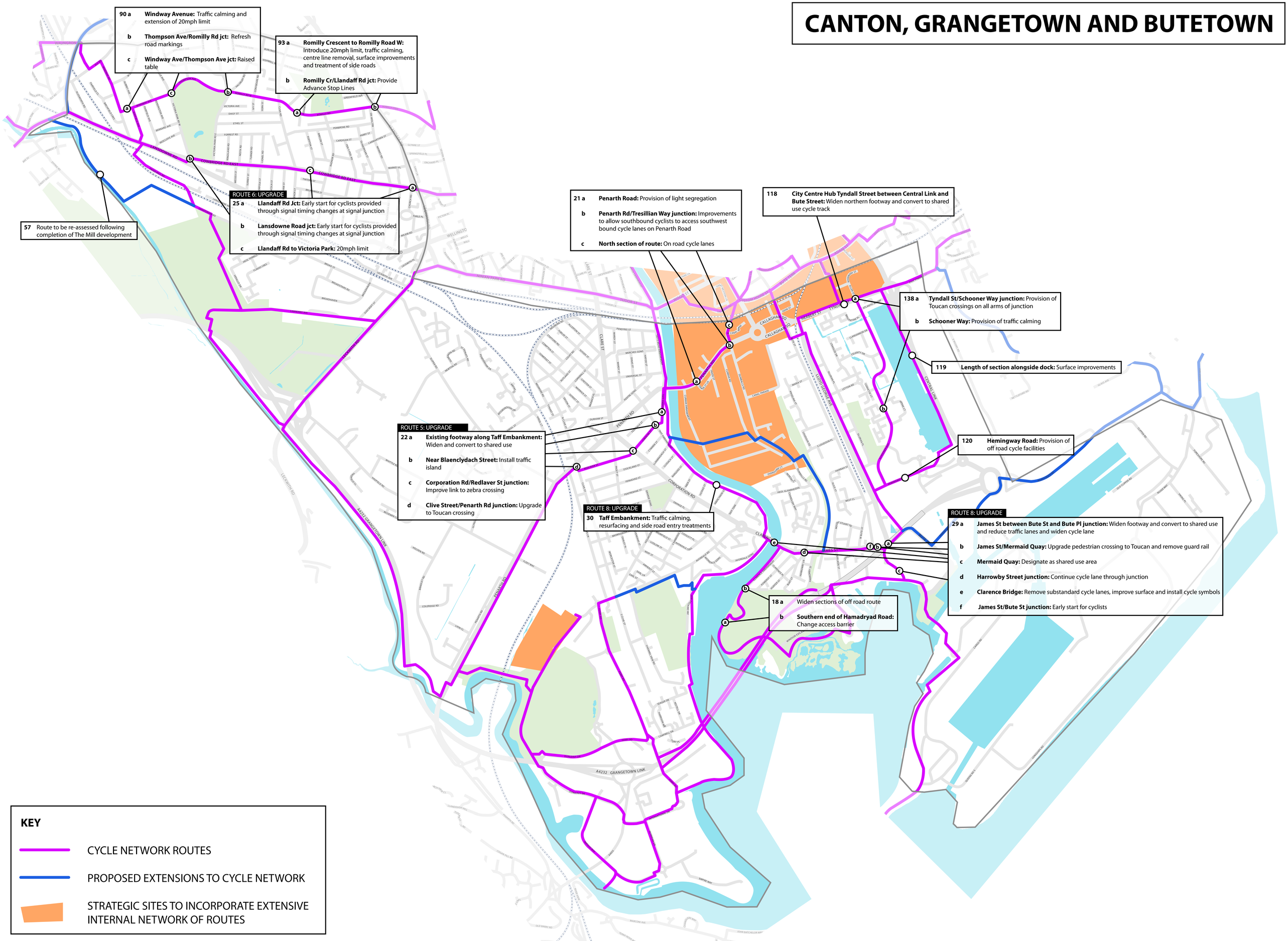
INTEGRATED NETWORK MAP: CYCLE ROUTES

APPENDIX 4



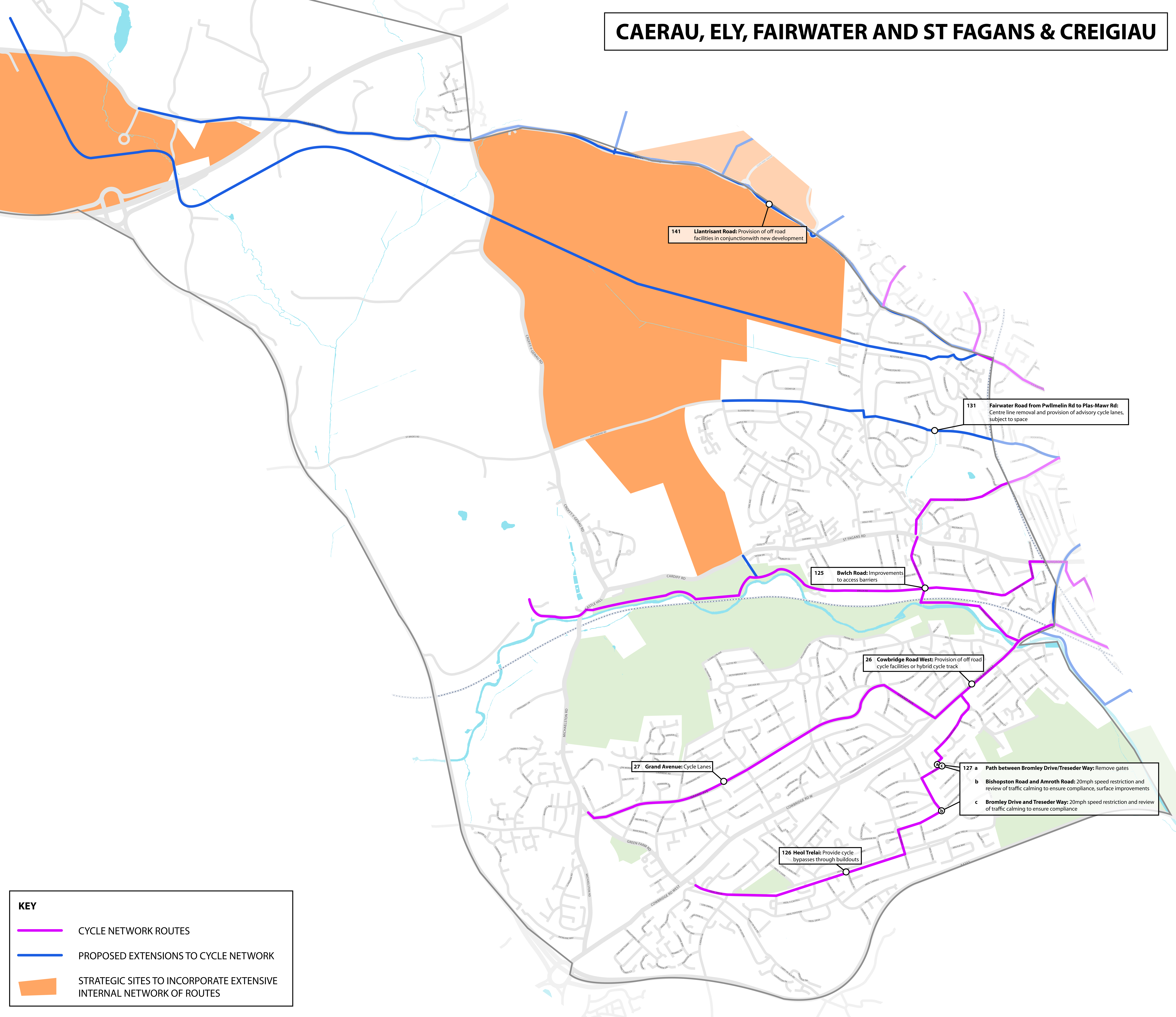
CANTON, GRANGETOWN AND BUTETOWN



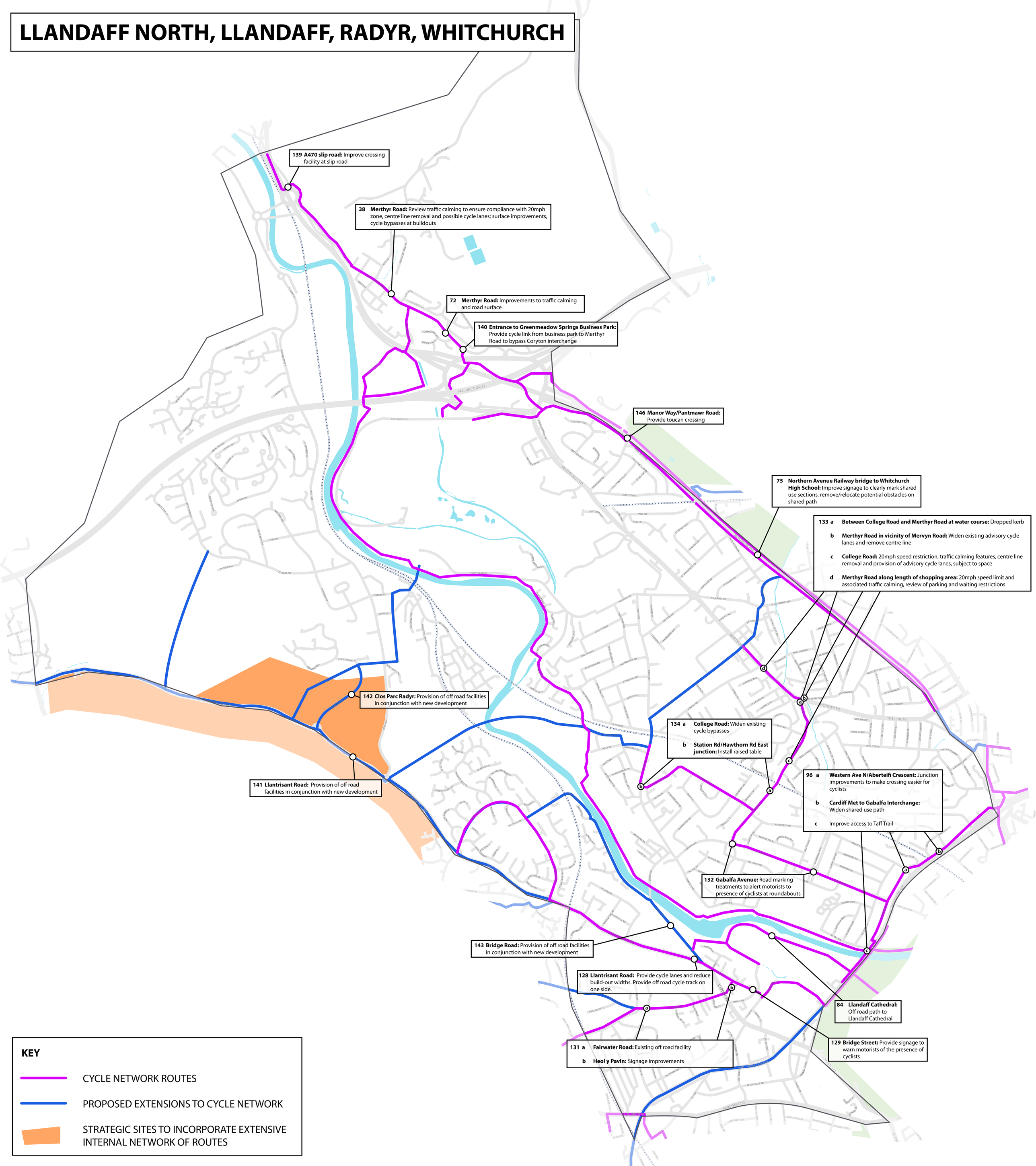
KEY

- CYCLE NETWORK ROUTES
- PROPOSED EXTENSIONS TO CYCLE NETWORK
- STRATEGIC SITES TO INCORPORATE EXTENSIVE INTERNAL NETWORK OF ROUTES

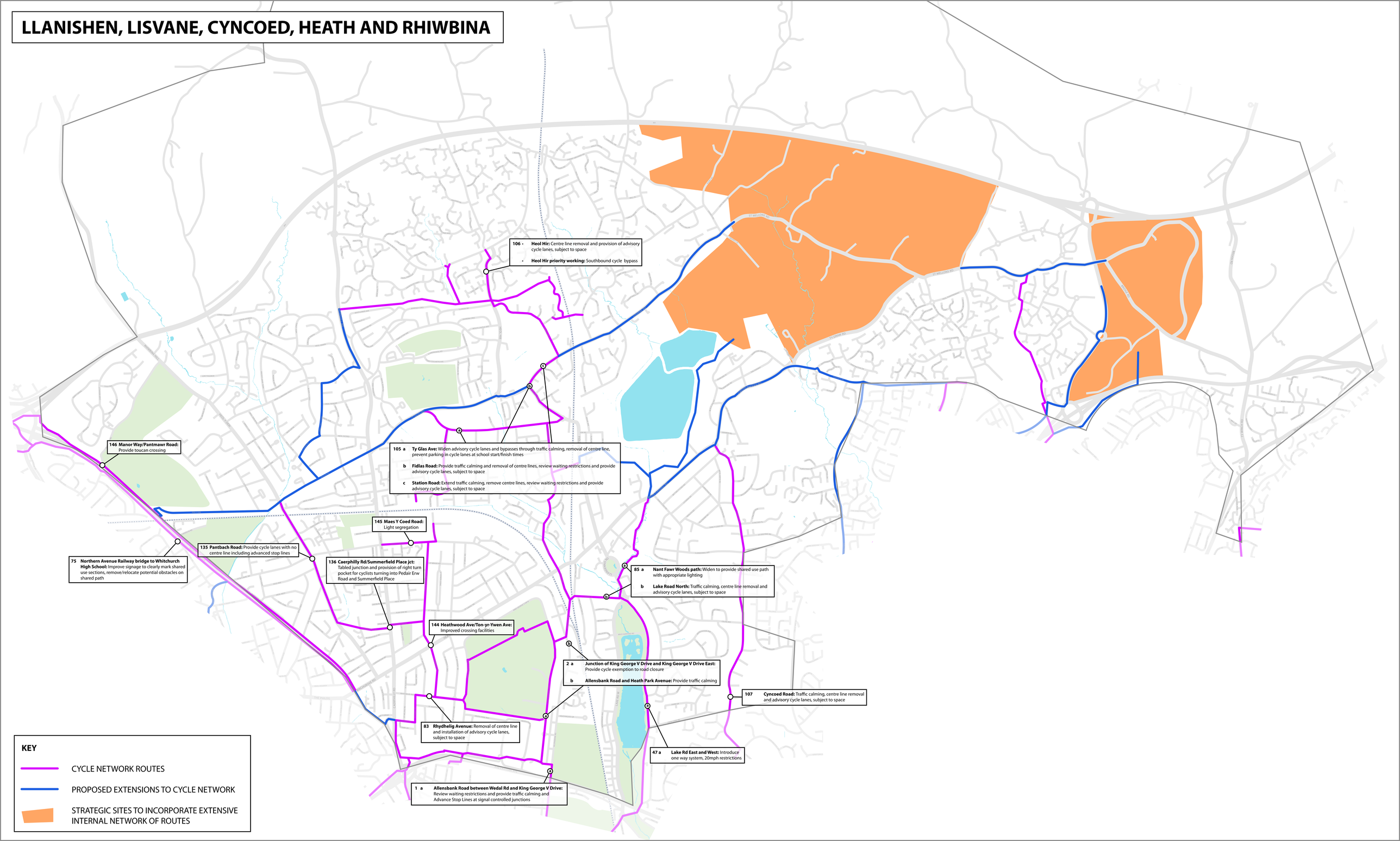
CAERAU, ELY, FAIRWATER AND ST FAGANS & CREIGIAU



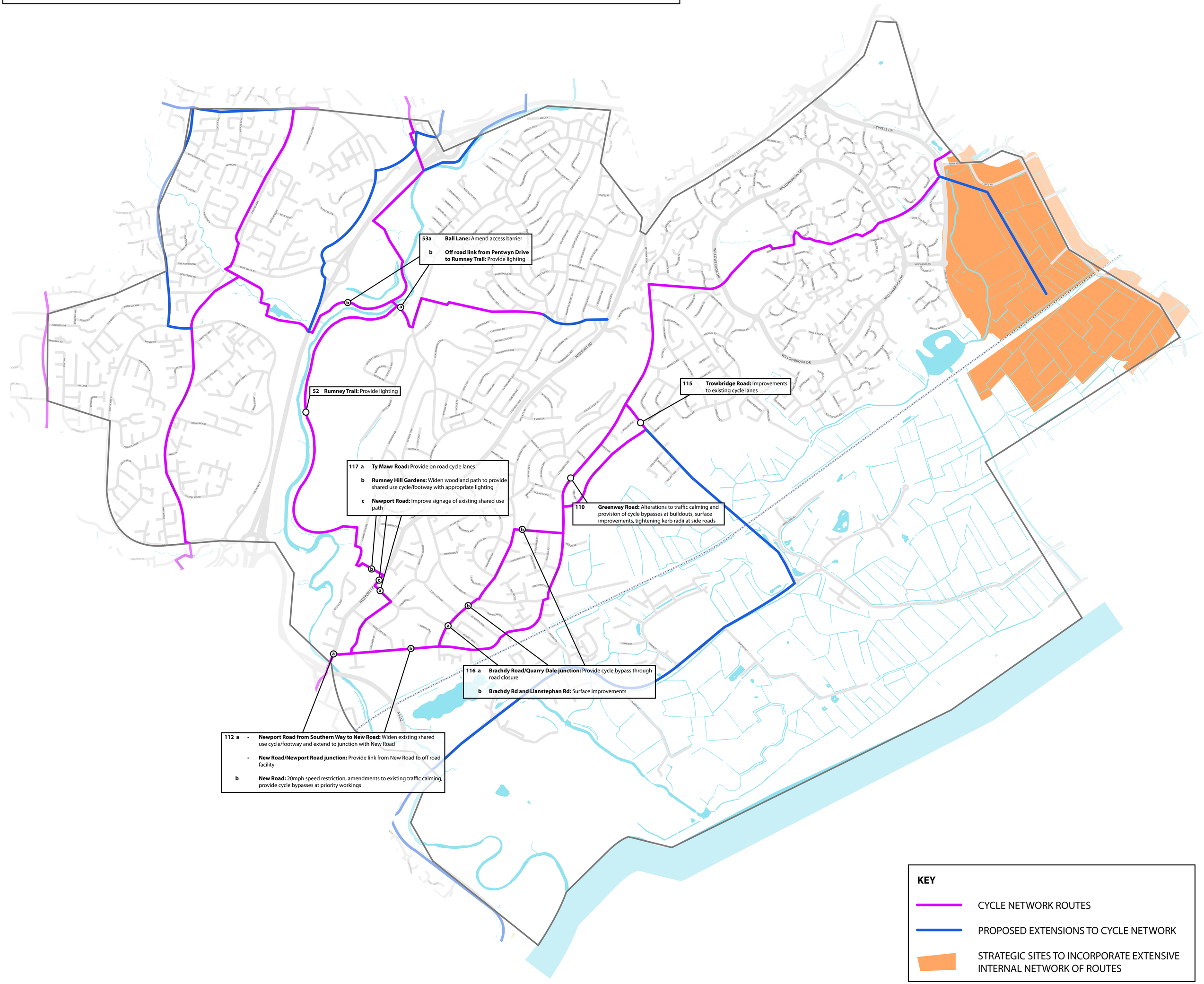
LLANDAFF NORTH, LLANDAFF, RADYR, WHITCHURCH



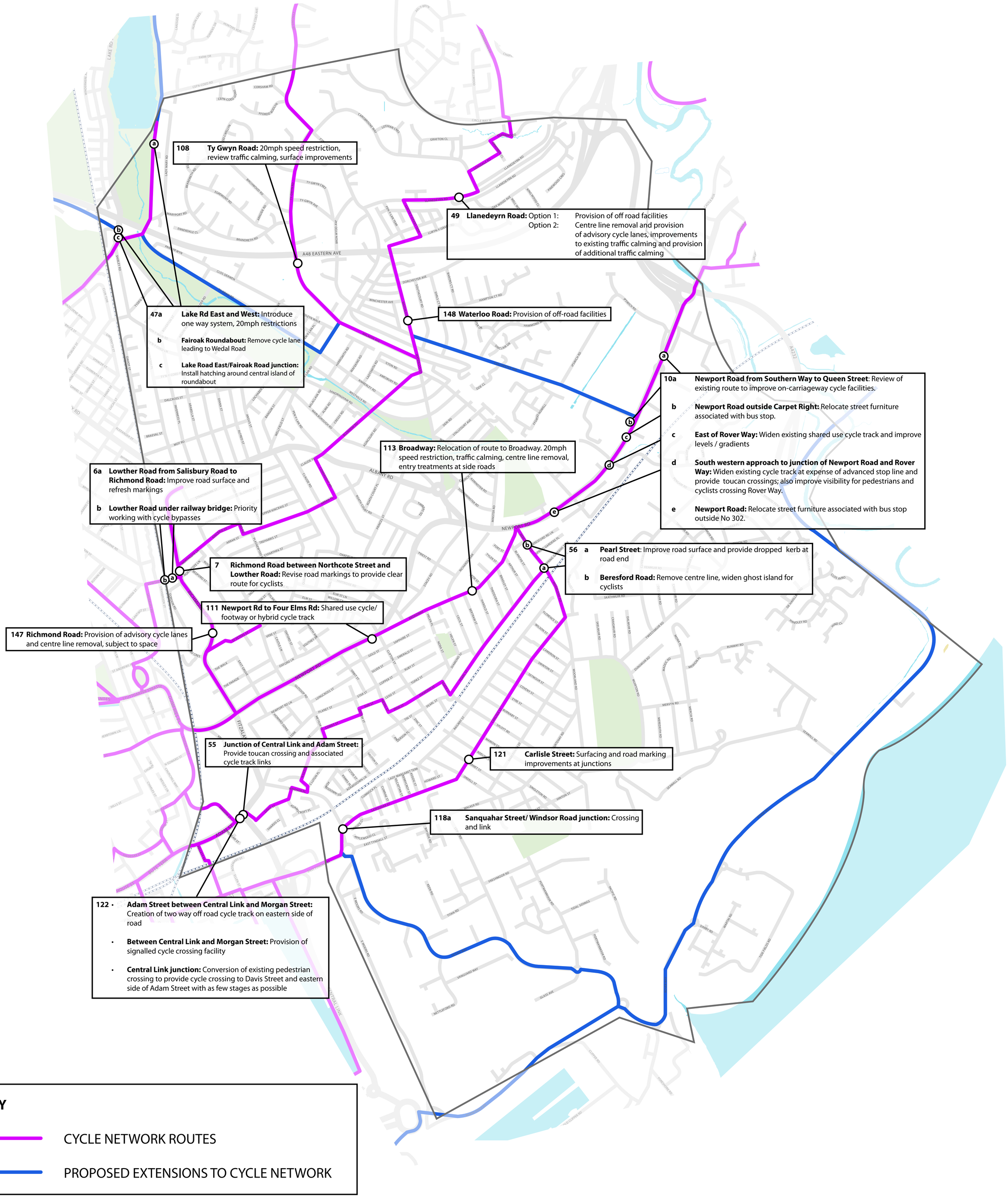
LLANISHEN, LISVANE, CYNCOED, HEATH AND RHIWBINA



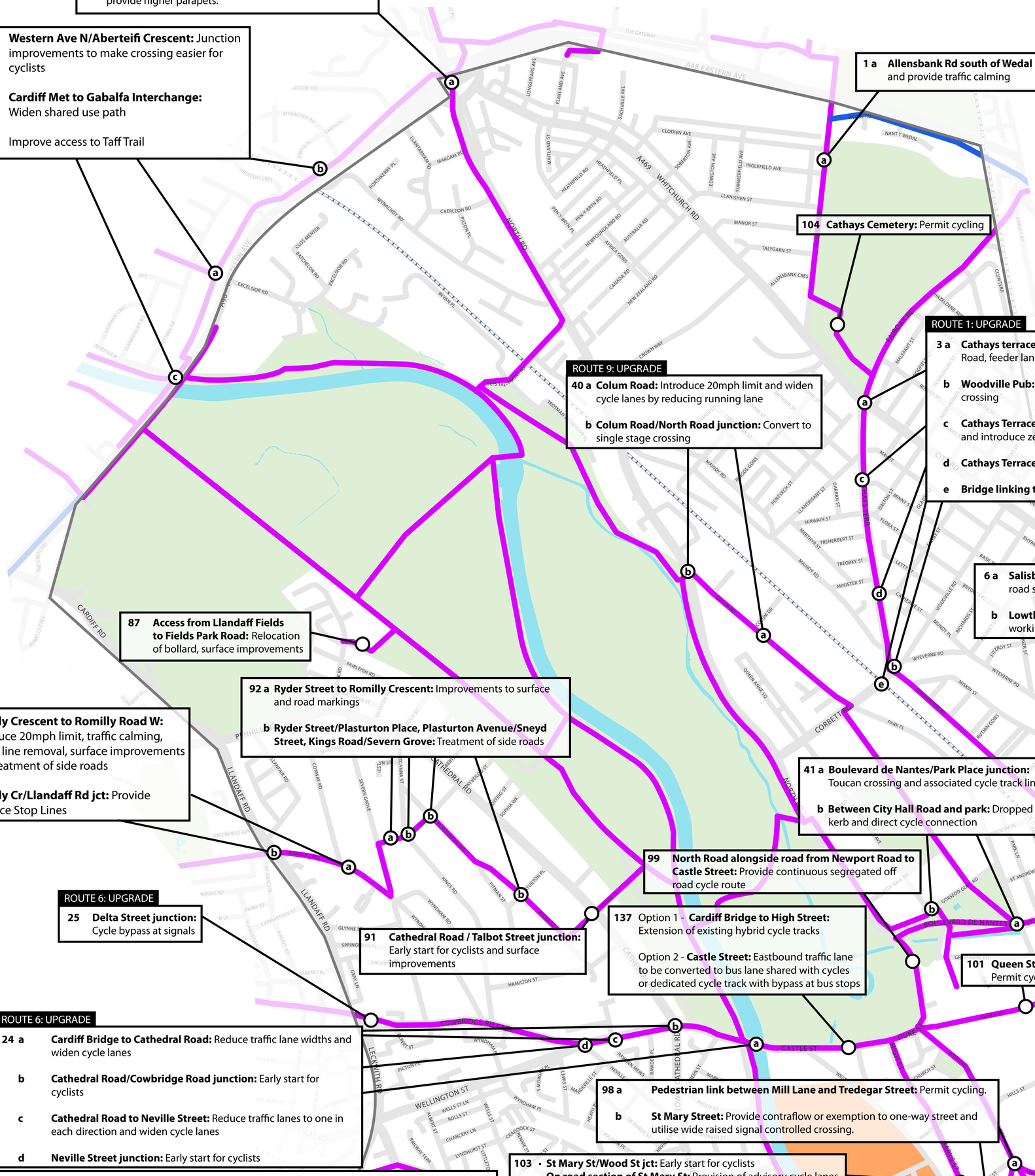
PENTWYN, LLANRUMNEY, RUMNEY, TROWBRIDGE & ST MELLONS



PENYLAN, PLASNEWYDD, SPLOTT AND ADAMSDOWN



RIVERSIDE, CATHAYS AND GABALFA



45 a **Footbridge over Western Avenue within Gabalfa Interchange:** Remove cyclists dismount signs. Potentially provide higher parapets.

96 a **Western Ave N/Aberteifi Crescent:** Junction improvements to make crossing easier for cyclists

b **Cardiff Met to Gabalfa Interchange:** Widen shared use path

c Improve access to Taff Trail

1 a **Allensbank Rd south of Wedal Rd:** Review waiting restrictions and provide traffic calming

104 **Cathays Cemetery:** Permit cycling

ROUTE 1: UPGRADE

3 a **Cathays terrace/Crwys Road junction:** Early start for cyclists, right turn for cyclists only onto Crwys Road, feeder lane for westbound cyclists

b **Woodville Pub:** Introduce cycle access through road end and convert pedestrian crossing to Toucan crossing

c **Cathays Terrace:** Reduce central motor traffic lane and widen cycle lanes, remove existing traffic islands and introduce zebra crossings

d **Cathays Terrace/Catherine Street junction:** Cycle bypass

e **Bridge linking to Corbett Road:** Improve surface quality, reduce southbound lanes to one

ROUTE 9: UPGRADE

40 a **Colum Road:** Introduce 20mph limit and widen cycle lanes by reducing running lane

b **Colum Road/North Road junction:** Convert to single stage crossing

6 a **Salisbury Road to Richmond Road:** Improve road surface and refresh markings

b **Lowther Road under railway bridge:** Priority working with cycle bypasses

87 **Access from Llandaff Fields to Fields Park Road:** Relocation of bollard, surface improvements

92 a **Ryder Street to Romilly Crescent:** Improvements to surface and road markings

b **Ryder Street/Plasturton Place, Plasturton Avenue/Sneyd Street, Kings Road/Severn Grove:** Treatment of side roads

93 a **Romilly Crescent to Romilly Road W:** Introduce 20mph limit, traffic calming, centre line removal, surface improvements and treatment of side roads

b **Romilly Cr/Llandaff Rd jct:** Provide Advance Stop Lines

41 a **Boulevard de Nantes/Park Place junction:** Toucan crossing and associated cycle track links

b **Between City Hall Road and park:** Dropped kerb and direct cycle connection

99 **North Road alongside road from Newport Road to Castle Street:** Provide continuous segregated off road cycle route

ROUTE 6: UPGRADE

25 **Delta Street junction:** Cycle bypass at signals

91 **Cathedral Road / Talbot Street junction:** Early start for cyclists and surface improvements

137 Option 1 - **Cardiff Bridge to High Street:** Extension of existing hybrid cycle tracks

Option 2 - **Castle Street:** Eastbound traffic lane to be converted to bus lane shared with cycles or dedicated cycle track with bypass at bus stops

101 **Queen Street:** Permit cycling

102 a Reduce delay for cyclists at signal junctions

b **Station Terrace from Bute Terrace to Newport Road:** Provision of on road cycle lanes

ROUTE 6: UPGRADE

24 a **Cardiff Bridge to Cathedral Road:** Reduce traffic lane widths and widen cycle lanes

b **Cathedral Road/Cowbridge Road junction:** Early start for cyclists

c **Cathedral Road to Neville Street:** Reduce traffic lanes to one in each direction and widen cycle lanes

d **Neville Street junction:** Early start for cyclists

98 a **Pedestrian link between Mill Lane and Tredegar Street:** Permit cycling.

b **St Mary Street:** Provide contraflow or exemption to one-way street and utilise wide raised signal controlled crossing.

103 • **St Mary St/Wood St jct:** Early start for cyclists
• **On road section of St Mary St:** Provision of advisory cycle lanes

100 a Reduce delay for cyclists at signal junctions

b **Bute Terrace from Customhouse St to Adam St:** Provide continuous segregated off road cycle route

123 a **Wood Street/Clare Street junction:** Provision of a signalised bus gate & Advanced Stop Line on Tudor Street

b **Wood Street junction:** Advanced Stop Lines with access to railway station.

c **Wood Street:** Widen and convert southern footway to shared use between station access and bridge over River Taff

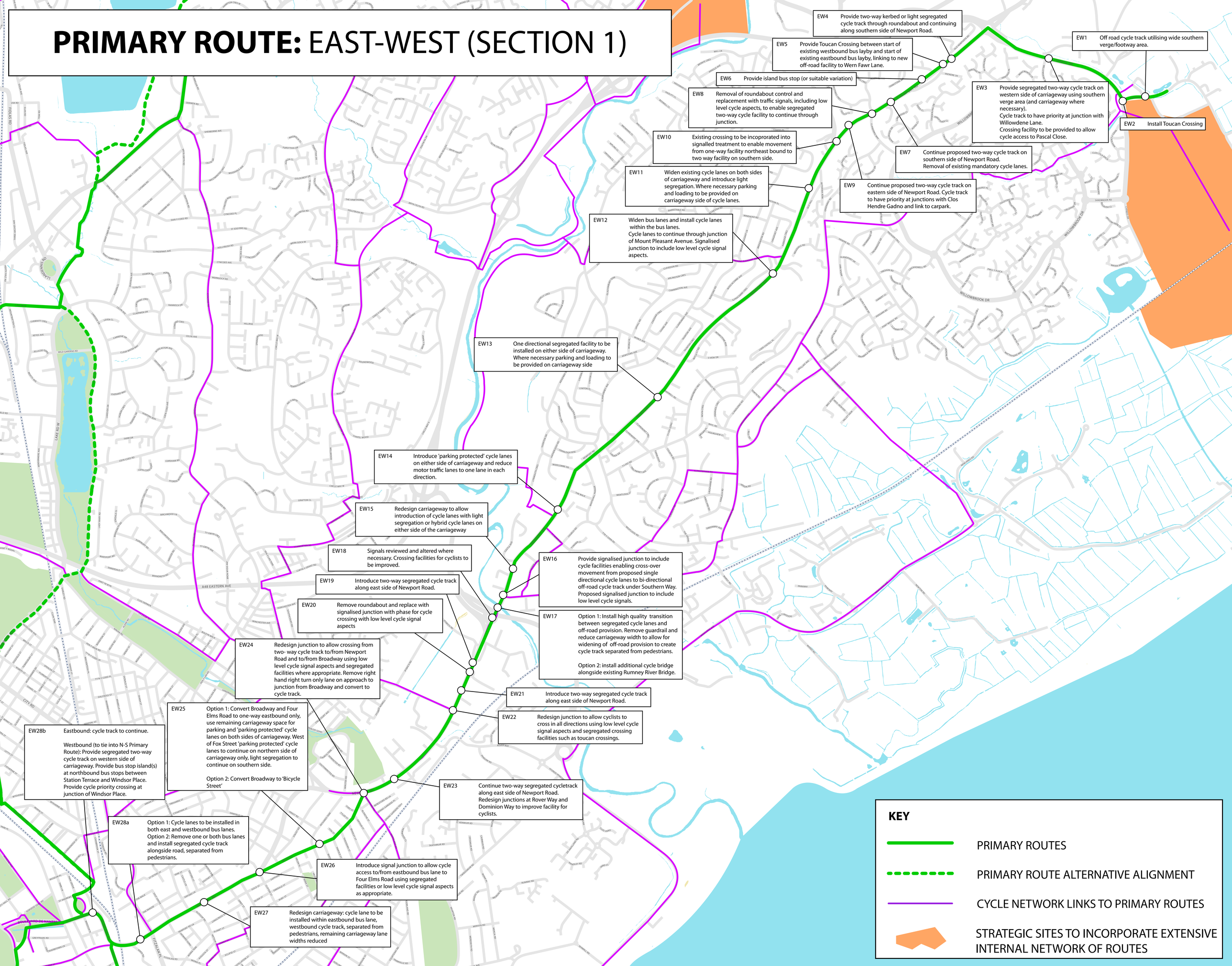
KEY

CYCLE NETWORK ROUTES

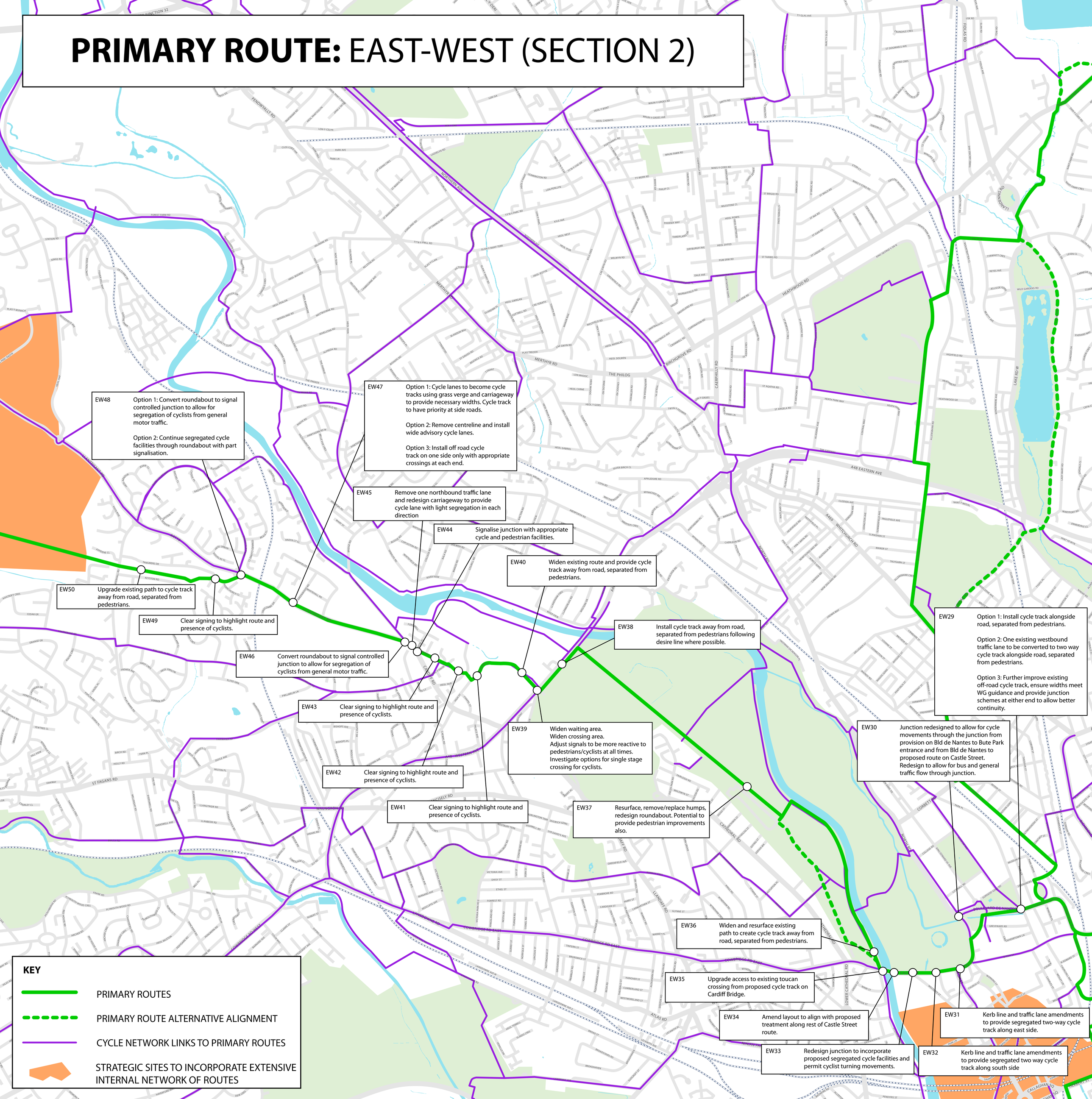
PROPOSED EXTENSIONS TO CYCLE NETWORK

STRATEGIC SITES TO INCORPORATE EXTENSIVE INTERNAL NETWORK OF ROUTES

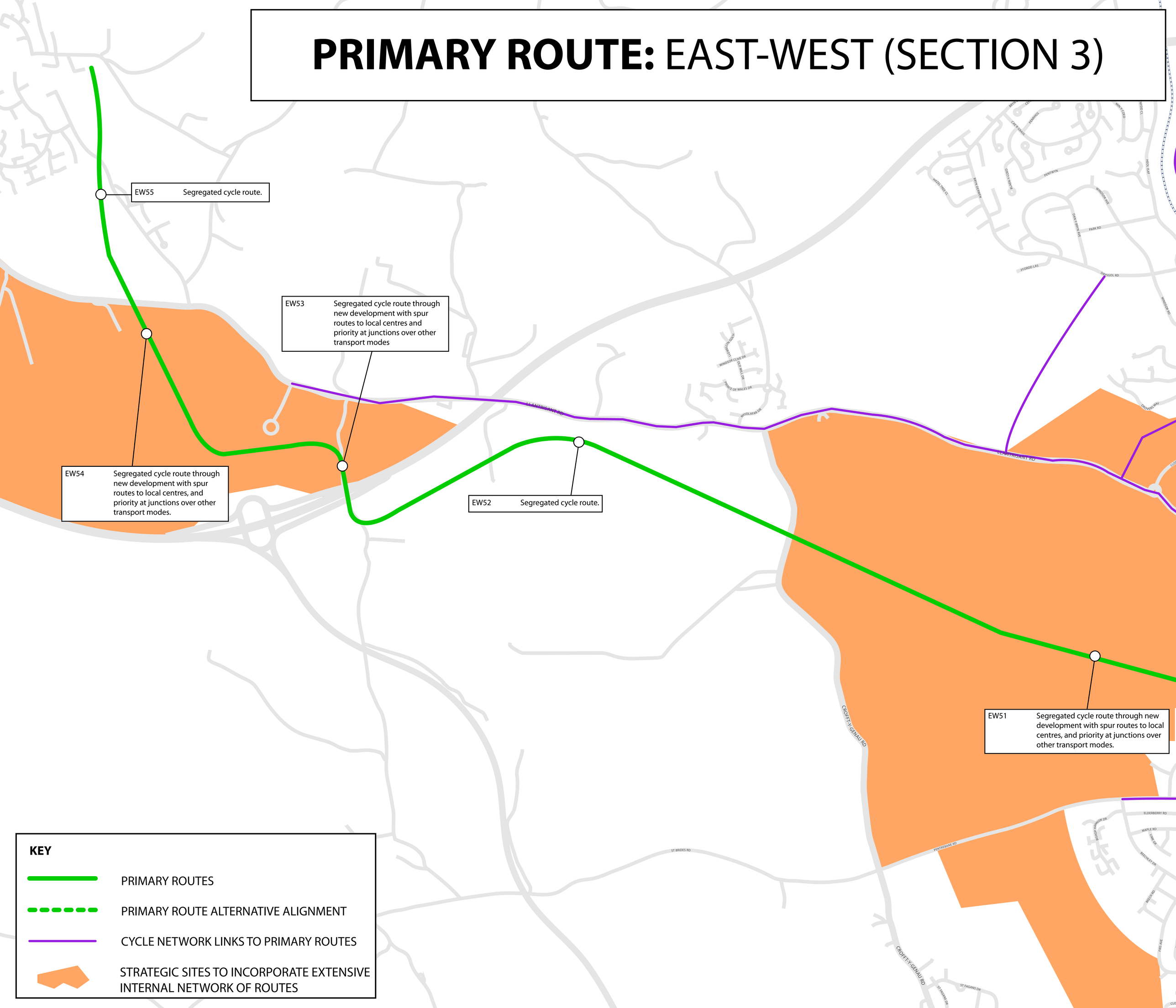
PRIMARY ROUTE: EAST-WEST (SECTION 1)



PRIMARY ROUTE: EAST-WEST (SECTION 2)



PRIMARY ROUTE: EAST-WEST (SECTION 3)



PRIMARY ROUTE: NORTH-SOUTH (SECTION 1)

NS23 Provide advisory cycle lanes on both sides of carriageway. Remove one traffic lane westbound under bridge and one traffic lane eastbound on approach to signal junction to accommodate. Amend signal staging to run east and westbound seperately. Provide high quality surfacing. Provide road markings for cyclists and consider coloured surfacing.

NS22 Option 1: Retention of priority control. Extend 20mph zone to St Andrews Crescent.
Option 2: Signalise junction.

NS21 Retain one-way system for all traffic with cyclists to be accommodated on-street given low traffic flows. Ensure surface is of appropriate quality. Provide appropriate signing and markings. Introduce 20mph speed limit.

NS20 Convert existing pedestrian crossing of Windsor Place to provide parallel single-stage crossing for cyclists. Widen central island at Windsor Place to accommodate pedestrians and cyclists. Convert existing two-stage toucan crossing across Stuttgarter Strasse to provide parallel single-stage crossing for cyclists, with low-level cycle signals.

NS18 Redesign junction to include dedicated cycle signals, allowing cyclists to connect to/from Station Terrace and Dumfries Place/Newport Road, including between the E-W and N-S primary routes.

NS17 Provide segregated two-way cycle track on southern/eastern side of carriageway

NS12 Continue segregated two-way cycle track on southern side of carriageway.

NS7 Continue proposed segregated two-way cycle track on southern side of carriageway. Relocate westbound bus stop or incorporate into design.

NS6 Redesign junction to allow for segregated two-way cycle track on eastern side of Lloyd George Avenue and southern side of Herbert Street.

NS5 Continue proposed segregated two-way cycle track on eastern side of Lloyd George Avenue. Remove signal control from side roads and convert each to priority junctions with parallel zebra crossings for Pedestrians & Cyclists. Remove guardrailing at side road junctions. Replace existing block paving with appropriate smooth surface suitable for cycling.

NS19 Provide segregated two-way cycle track on western/southern side of carriageway. Provide bus stop island(s) at northbound bus stops between Station Terrace and Windsor Place. Provide cycle priority crossing at junction of Windsor Place.

NS16 Convert existing advisory northbound cycle lane and convert to mandatory cycle lane with light segregation throughout.
Southbound cyclists to be accommodated on carriageway given low traffic flows. Resurface carriageway and clearly sign as primary route.
Provide transition between Guildford Crescent and proposed segregated two-way cycle track on eastern side of Guildford Street. Amendments to the existing kerb radii likely to be required.

NS15 Widen existing shared-use path to provide wide northbound segregated cycle track on western side of carriageway. Southbound cyclists to be accommodated on carriageway given one-way system and low traffic flows. Resurface carriageway and clearly mark as primary route.

NS14 Continue proposed segregated two-way cycle track on northern side of carriageway

NS13 Widen existing Toucan crossing to provide parallel cycle crossing with low-level cycle signals

NS11 Remove westernmost line of car parking spaces in Adam Street car park (18 spaces) and provide segregated two-way cycle track on eastern side of carriageway

NS10 Ensure clear continuity of route with appropriate signing

NS9 Option 1: Provide footpath and segregated cycle lanes in each direction

Option 2: Provide wide two-way raised cycle track on one side with footway on the other

Option 3: Retain existing unsegregated shared-use facility

NS8 Install puffin crossing with parallel signalised cycle crossing with low-level cycle signals

NS4 Widen existing Toucan crossing to provide parallel cycle crossing with low-level cycle signals. Remove guardrailing at side road junctions to allow continuity for cyclists.

NS3 Provide segregated two-way cycle track on eastern side of carriageway. Replace existing block paving with surface appropriate for cycling.

NS2 Convert existing two-stage toucan crossing to provide parallel single-stage crossing for cyclists, with low-level cycle signals.

NS1 Provide appropriate cycle markings on existing shared space area to clearly indicate the presence of a cycle route.

KEY

- PRIMARY ROUTES
- PRIMARY ROUTE ALTERNATIVE ALIGNMENT
- CYCLE NETWORK LINKS TO PRIMARY ROUTES
- STRATEGIC SITES TO INCORPORATE EXTENSIVE INTERNAL NETWORK OF ROUTES

PRIMARY ROUTE: NORTH-SOUTH (SECTION 2)

NS51 Ensure appropriate cycle provision at junction, dependent upon proposed stategic site access arrangements.

NS50 Remove priority workings and replace with road humps at appropriate spacings.
Remove carriageway centreline/hatched areas and refuges.
Provide large cycle logos.
Potential work to provide high quality surface.

NS49 Remove carriageway centreline and provide large cycle logos

NS48 Provide kerbed build-outs to introduce deflection at roundabout. Provide single lane entries on all approaches to reduce speeds and improve conditions for cycling with possible raised junction in association with above.

NS47 Remove carriageway centreline and provide large cycle logos

NS47a Continue off-road cycle path via existing reservoir paths, suitably improved with lighting and appropriate cycle signing and markings.

NS46 Remove existing central island and replace with parallel zebra crossing

NS44 Widen existing shared use footway on western side to provide wider shared-use facility up to Toucan crossing. Widen existing footway on eastern side between Toucan crossing and Nant Fawr Woods path to allow continuation of shared use facility. Provide raised table at crossing at junction with Cardiff High School with cycle priority.

NS45 Upgrade existing path to cycle track away from road separated from pedestrians. Path should be appropriately lit and surfaced, with cycle signing and markings.

NS42 Remove centreline markings/hatching. Provide road humps across full length. Provide cycle logo markings.

NS43 Widen existing path to north-west of roundabout to 3.0m and convert to segregated two-way cycle track. Path to be widened sufficiently to also accommodate pedestrians.
Widen existing zebra crossing on Lake Road North to allow cyclists to make right turn from path.
Provide cycle signing and markings.

NS41 Surfacing Improvements. Provide cycle signing / markings.

NS38 Cyclists to be accommodated on-street given low traffic flows. Resurface carriageway where required to ensure appriopriate surface for cyclists. Provide appropriate premium quality route signing and markings.
Provide road humps to reduce speeds.

NS40 Option 1: Provide road humps across full length to reduce vehicle speeds and make route less attractive to motor vehicles.

Option 2: As above but convert to cycle street

NS39 Option 1: Minor improvements to existing layout and signing to improve continuity for cyclists. Also option to provide raised table through junction to reduce speeds and highlight crossing movement.

Option 2: Signalise junction and include separate stage for east-west cycle movements. Include controlled pedestrian facilities.

NS37 Cyclists to be accommodated on-street given low traffic flows. Resurface carriageway where required to ensure appropriate surface for cyclists. Provide appropriate premium quality route signing and markings. Provide road humps to reduce speeds.

NS34 Provide signalised crossing facility for cyclists across northern leg of junction to enable cycle movements between north-south two-way cycle track on Allensbank Road and facility on King George V Drive East.

NS36 Replace block paving at King George V Drive East road-end with surface appropriate for cycling. Provide dropped kerbs and cycle bypass at existing road closure and appropriate signing/markings.

NS33 Provide two-way cycle track with light segregation on eastern side of carriageway.
Relocate kerbline on eastern side. May require some kerbline realignment on western side to north of bridge.

NS32 Provide signalised cycle facility to allow crossing of Wedal Road for north and southbound cyclists.
Provide detection at signals for north and southbound cyclists to provide continuity.

NS35 Continue wide two-way cycle track with light segregation on northern side of carriageway. Relocate kerbline on northern side. Remove traffic lane on King George V Drive East approach to junction.
Provide cycle route priority at alleyway and private driveway. Resurface footway.

NS31 Provide two-way cycle track with light segregation on eastern side of carriageway.

NS29 Amend existing cross section to provide footways, hybrid cycle lanes on both sides and 3 traffic lanes (as existing).
Continue hybrid cycle lanes through side road junctions.

NS30 Provide signalised cycle facility to allow north-west bound cyclists to cross from Whitchurch Road (westbound) to proposed two-way facility on eastern side of Allensbank Road.
Provide low-level cycle signal with early start for southbound cyclists to make left turn or provide signal bypass for left turn.

NS28 Provide low-level signals for cyclists and early start on Cathays Terrace approach.
Use existing footway area in front of Cathays Library to provide signaled right turn facility for cyclists from Whitchurch Road to Cathays Terrace.

NS27 Option 1: Improvements to existing arrangement/removal of built-out areas. Widen advisory cycle lanes where possible. Removal of central refuges.

Option 2: Provide hybrid cycle lanes in both directions with continuation through junctions. With option to permit loading in proposed hybrid cycle lane.

NS26 Replace existing pedestrian crossing with signal facility to incorporate cycle and pedestrian movements to link Cathays Terrace with Senghennydd Road.

NS25 Option 1: Improvements to existing arrangement. Widen advisory cycle lanes where possible. Replace existing cushions with road humps.

Option 2: Provide hybrid cycle lanes in both directions with continuation through junctions

NS24 Provide eastbound contraflow cycle facility.

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