

Bae Penrhyn - Gwelliannau i Amddiffynfeydd Arfordirol

Penrhyn Bay - Coastal Defence Improvements

FFYRDD A MYNEDIAD

- 1 Croesfan i gerddwyr a beiciau sy'n 7.8 metr o led, golau belisha a phalmant botymog bob ochr
- 2 Addasu'r palmant i roi arwyneb 4 metr o led a rennir gyda chwrbiau is at Ffordd Pendorlan, yn cysylltu rhannau o Lwybr Beicio Cenedlaethol Cymru Rhif 5 ar Ffordd Pendorlan a'r promenad
- 3 Safle bws a lloches wedi eu cadw
- 4 Ramp mynediad traeth sy'n cydymffurfio â'r Ddeddf Gwahaniaethu Ar Sail Anabledd (DDA) gyda graddiant 1:20 a glaniad 1.8-2.0 metr. Gorrffeniad concrid. Gwely plannu wedi'i gynnig rhwng arannau ramp
- 5 Giât llifogydd i ddisodli'r un gyfredol
- 6 Arwyneb y llwybr beicio presennol wedi ei gadw
- 7 Llwybr cerdded uwch ar hyd y promenad at lefel y llwybr beicio presennol, i ddarparu arwyneb parhaus – 200 metr o hyd ac ardal 760m². Concridd lliw gyda gorffeniad agred amlwg (tebyg i Fae Colwyn)
- 8 Safle bws a lloches wedi eu symud
- 9 Safle bws a lloches wedi eu ail leoli
- 10 Arwyneb cyfredol wedi ei gadw
- 11 Ffordd Glan-Y-Môr, Ffordd Pendorlan, Ffordd Morfa, Ffordd Maes Gwyn heb eu newid

PARCIO

- 1 Maes parcio presennol wedi ei ddileu a'r palmant wedi ei godi i lefel y llwybr beicio presennol, i ddarparu arwyneb parhaus – 100 metr o hyd ac ardal 180m². Gorrffeniad concrid asffalt
- 2 Maes parcio wedi ei ail leoli – 100 metr o hyd a'r lled wedi ei gynyddu o 1.8 metr (lled cyfredol) i 2.0 metr

PARTH CYHOEDDUS

- 1 Seddi integredig / wal isel – gweler Palet Deunyddiau am fwy o wybodaeth
- 2 Seddi newydd ar y promenad bob 20-30 metr – gweler Palet Deunyddiau am fwy o wybodaeth
- 3 Tri bwrdd dehongli Amgylcheddol ac / neu Treftadaeth yn sownd i'r canllaw
- 4 Arwyddion cyfeirio
- 5 Telegôp twristiaid – hygyrch i gadeiriau olwyn, dim angen ceiniog i'w weithredu
- 6 Bolard gydag arwydd yn wynebu'r dwyrain yn cyfeirio beicwyr at y gofod a rennir ar y promenad uwch
- 7 Stondin a phwmp trwsio beiciau i'r cyhoedd
- 8 Tri bwrdd dehongli Amgylcheddol ac / neu Treftadaeth yn sownd i'r wal gerrig

ECOLEG

- 1 Cawod gyhoeddus mewn dur gwrthstaen
- 2 Dileu'r canllaw metel 2 reilen yng nghanol y promenad – 190 metr
- 3 Newid y canllaw 3 rheilen metel cyfredol a'r cwrw ar hyd y promenad i gyd. Canllaw newydd system fetel 3 neu 4 rheilen gyda'r rheilen uchaf 1.15 metr uwch lefel y ddaear – 350 metr (tebyg i Fae Colwyn)
- 4 Canllaw newydd ar hyd y gofod a rennir ar y promenad uwch at 1.4 metr uwch lefel y ddaear – 220 metr (tebyg i Fae Colwyn)
- 5 Canllaw newydd ar hyd y wal uwchben y maes parcio sydd wedi symud – 80 metr (tebyg i Fae Colwyn)
- 6 Man a rennir i gerddwyr a beicwyr ar y promenad uwch, 3 metr o led
- 7 Golau yn pwyntio i lawr wedi ei integreiddio â seddi / wal isel
- 8 Golau daear ger y seddi ac / neu yn wal ffiniol y safle
- 9 Ymestyn yr ardd yn y safle bws cyfredol – 4m² – gweler y Palet Plannu am fwy o wybodaeth
- 10 Plannu cymysgedd o flodau gwyllt ar hyd y lleiniau. Cymysgedd bioamrywiol addas ar gyfer yr amgylchedd arfordirol – gweler Palet Plannu am fwy o wybodaeth

- 1 Chwe phwll llanw 1x1x1 metr wrth ben y grwynau newydd a chyfredol ac ar lefelau gwahanol o'r traeth er mwyn gwella bioamrywiaeth a chynyddu cynefinoedd rhynglanwol
- 2 Gwell gerddi i gynnwys coed a phlanhigion arfordirol isel bioamrywiol newydd – gweler Palet Plannu am fwy o wybodaeth
- 3 Llwyni arfordirol

AMDDIFFYNEFYDD ARFORDIROL

- 1 Wal fôr bresennol wedi ei thrwsio gan gynnwys ailbroffilio grisiau mynediad i'r traeth
- 2 Grwyn cerrig newydd. Lefel y gorffeniad amrywio o 3.5 metr i 7 metr uwchben lefel cyfredol y traeth – 11,000m³ o graidd 3-6 tonnelli, 6,500m³ o graidd 0.3-1 tonnelli a 5,300m³ o graidd 1-200kg
- 3 Llethr grwyn cerrig newydd ar raddiant o 1:3
- 4 Adferiad y traeth – 55,000m³ o gerrig mân 20 – 100mm (yn ddibynol ar argaeledd gan gyflenwyr)
- 5 Brig y traeth wedi ei adlwytho, o leiaf 10 metr o led
- 6 Wyneb adferiad y traeth, llethr graddiant 1:8 nes bo'n cyrraedd y traeth presennol
- 7 Grwyn cerrig dwyreiniol presennol wedi ei gadw
- 8 Grwyn cerrig codi lleol llai nag 1m

ROADS AND ACCESS

- 1 Pedestrian and cycle crossing 7.8m wide, belisha beacons and tactile pavement either side
- 2 Modified pavement to provide 4m wide shared surface with dropped kerb to Pendorlan Road connecting branches of the Wales National Cycle Route no. 5 on Pendorlan Road and promenade
- 3 Bus stop and shelter retained
- 4 DDA compliant beach access ramp with 1:20 gradient and 1.8-2.0m landings. Concrete finish
- 5 Flood gate to replace existing
- 6 Existing cycle lane surfacing to be retained
- 7 Raised footway area along the promenade to the level of existing cycle lane, to provide continuous surface - 200m long and 760m² area / Coloured concrete with exposed aggregate finish (similar to Colwyn Bay)
- 8 Bus stop and shelter removed
- 9 Re-located bus stop and shelter
- 10 Existing surfacing to be retained
- 11 Glan-Y-Mor Rd, Pendorlan Rd, Morfa Rd, Maes Gwyn Rd unaltered

PARKING

- 1 Existing car parking removed and pavement raised to the level of existing cycle lane, to provide continuous surface - 100m long and 180m² area / Asphalt concrete finish
- 2 Re-located car parking - 100m long and width increased from 1.8m (existing) to 2.0m

PUBLIC REALM

- 1 Integrated seating / low wall - see Material Palette for more information
- 2 New promenade seating at 20-30m spacing - see Material Palette for more information
- 3 Three Environmental and/or Heritage interpretation boards fixed to handrails
- 4 Wayfinding signage
- 5 Tourist telescope - wheelchair accessible, non-coin operated
- 6 Bollard roof fixed with sign facing east directing cyclists to upper promenade shared space
- 7 Public bike repair stand & pump
- 8 Three Environmental and/or Heritage interpretation boards fixed to masonry wall
- 9 Public shower in stainless steel
- 10 Existing 2-rail metal handrail in the middle of the promenade removed - 190m
- 11 Replace existing 3-rail metal handrail and kerb all along promenade. New handrail 3- or 4-rail metal system with top rail 1.15m above ground level - 350m (similar to Colwyn Bay)
- 12 New handrail along shared space in upper promenade to 1.4m above ground level - 220m (similar to Colwyn Bay)
- 13 New handrail along wall above re-located parking - 80m (similar to Colwyn Bay)
- 14 Shared space for pedestrians and cyclists on the upper promenade 3m wide
- 15 Down lighter integrated with seating / low wall
- 16 Ground lights next to seating and/or in site boundary wall

ECOLOGY

- 1 Extend garden in existing bus stop area - 4m² - for Planting Palette for more information
- 2 Wildflowers meadow mix planting along verges. Biodiverse mix to suit coastal environment - see Planting Palette for more information
- 3 Six tidal pools 1x1x1m at toe of new and existing groyne and at different levels of the beach to improve biodiversity and increase intertidal habitat
- 4 Enhanced gardens to include new biodiverse coastal low planting and trees - see Planting Palette for more information
- 5 Coastal shrubs

COASTAL DEFENCES

- 1 Repaired existing seawall including reprofiling of beach access steps
- 2 New rock groyne. Finish level varies from 3.5m to 7m above existing beach level - 11,000m³ of 3-6 ton rock, 6,500m³ of 0.3-1 ton rock and 5,300m³ of core 1-200kg

- 1 New rock groyne slope @ 1:3 gradient
- 2 Beach nourishment - 55,000m³ of 20 - 100mm shingle material 20-100mm (subject to supplier availability)
- 3 Crest of recharged groyne minimum 10m wide
- 4 Face of beach nourishment sloping @ 1:8 gradient until it meets existing beach
- 5 Existing eastern rock groyne retained
- 6 Local raise of rock groyne less than 1m

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