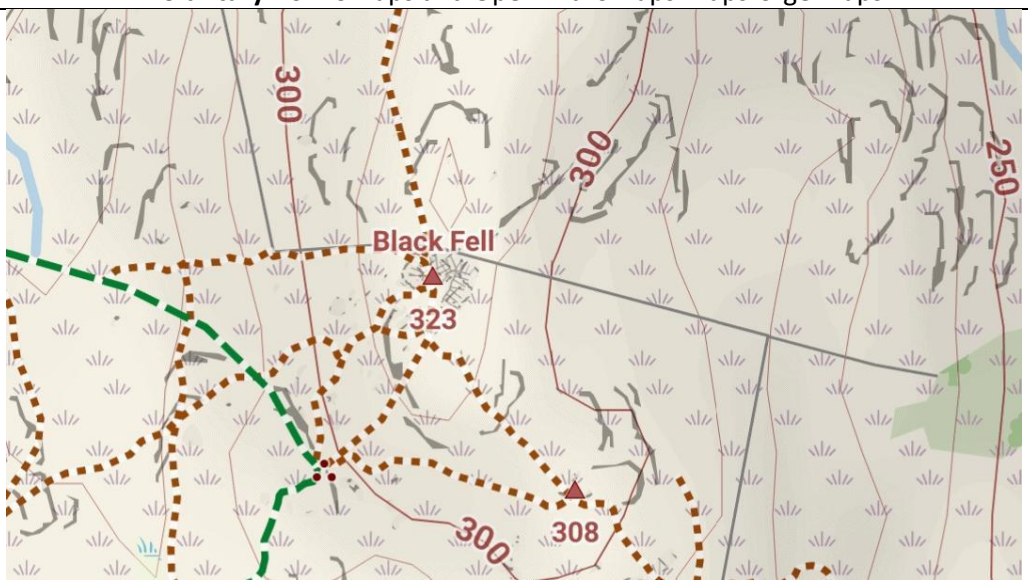
Voluntary & Velocity Themes

Voluntary: for LoMaps and OpenAndroMaps Mapsforge maps



Voluntary: showing crag features from UK Ordnance Survey on OAM maps

Velocity: simplified rapid draw theme

The **Voluntary** themes work well with both LoMaps from Locus Store and maps from OpenAndroMaps. They are designed for clarity of display. Colours are based on UK Ordnance Survey conventions and will be fairly familiar to British users. Even if you are not British, the colours and styles will probably work well for you. The themes automatically scale for devices with displays of different resolutions and symbols enlarge smoothly for higher zoom levels. The zoom levels at which various features appear has been adjusted to provide optimal information and reduce unwanted clutter.

You can choose **Hiking & Wintersport**, **Cycling**, **City**, **Road**, **Multi**, **Transparent** or **Yellow** styles within the **Voluntary Locus Edition (LE)** or **Voluntary Mapsforge V5** themes.

The styles take advantage of switchable options. Display of hiking, cycle and mountain bike routes can now be switched on or off, as can highlighting for each of them. The number of options shown is relatively limited to aid ease of use. Hiking, Cycling, City and Road styles function almost as presets with a limited range of tailored options. Within these particular styles the display is subtly tailored to its purpose: for example, Road displays junction and road numbers better; Cycling has a better display of cycle routes. Multi, Transparent and Yellow have a fuller (but manageable) range of options. The settings of the options for each style are stored.

The City style is aimed at use in large cities such as London and has a less cluttered (and slightly faster) display at zoom levels 14 and below. Colours in the Yellow theme are more muted and are aimed at use with overlays in your app.

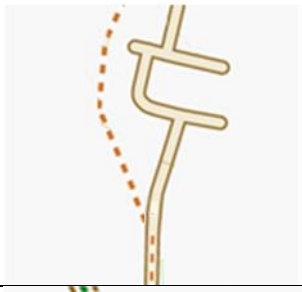
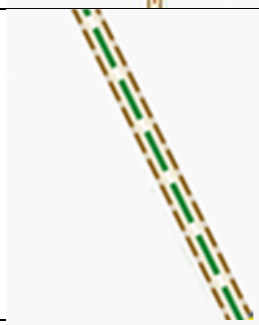
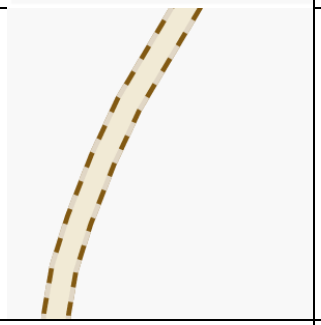
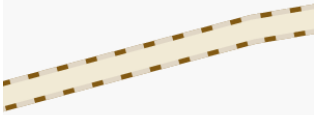
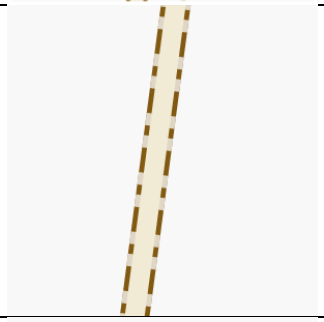
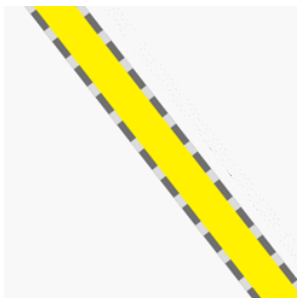
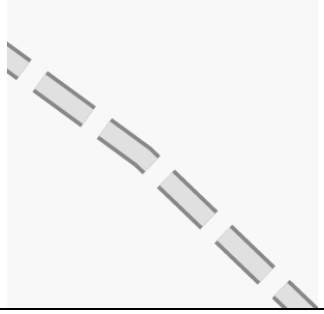
A "Transparent" style turns off the map background and enables use of a vector map as an overlay on top of a satellite image in your app. Similarly the "background" checkbox in the Yellow style can be used to achieve the same effect.

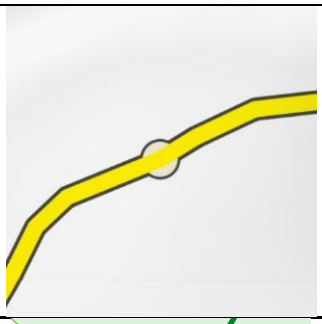
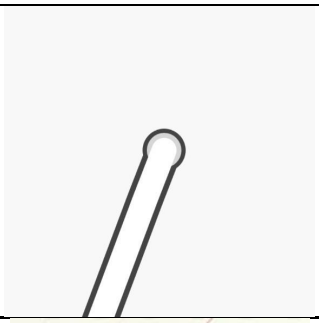
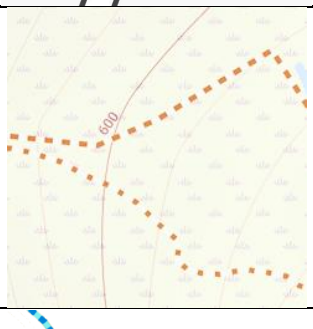
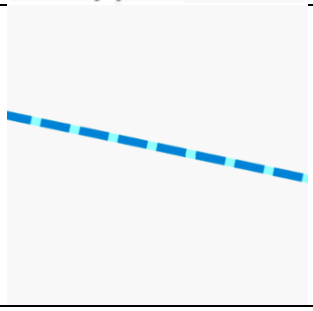
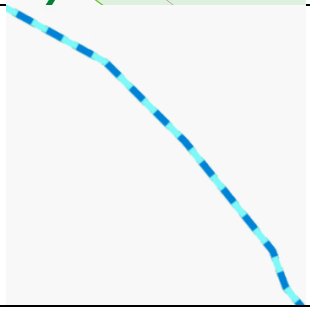
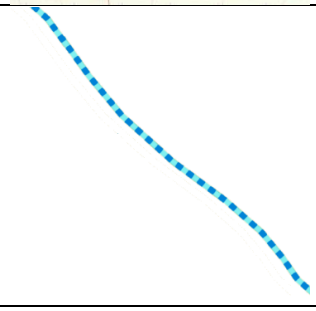
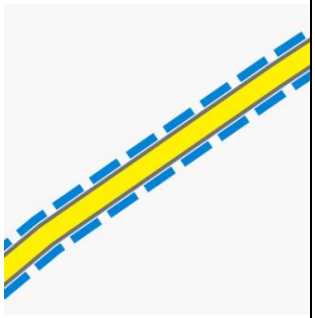
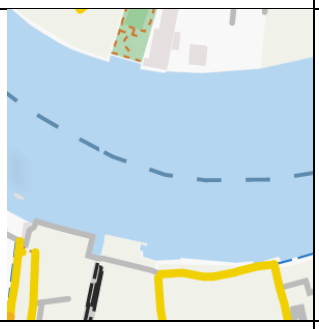
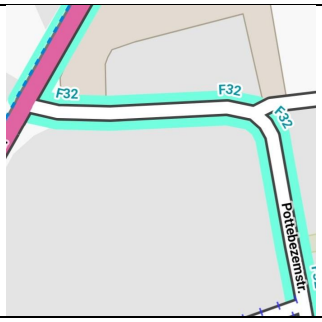
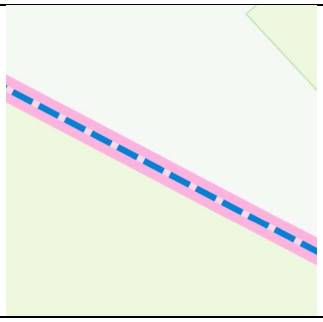
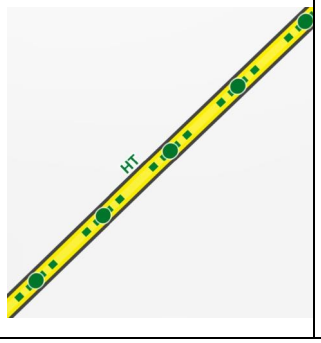
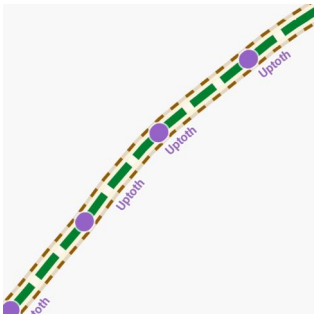
Generally, blue dashes are cycle ways, green dashes represent dual use both on bike and on foot (bridle paths in the UK), and brown shorter dashes use on foot only. Blue blobs are cycle routes, green blobs are hiking routes. Mountain bike trails are shown by violet blobs. Cycle routes are also indicated by blue dashes on the roads. Hiking, cycle and mountain bike routes can be emphasised by selectable overlays. The emphasis can be colour-coded in the Hike and Cycle themes.

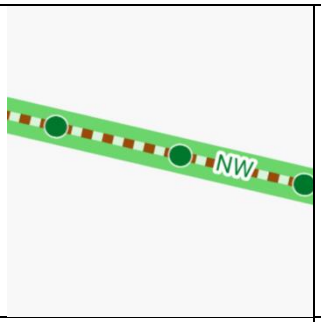
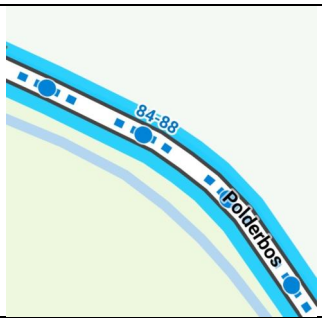
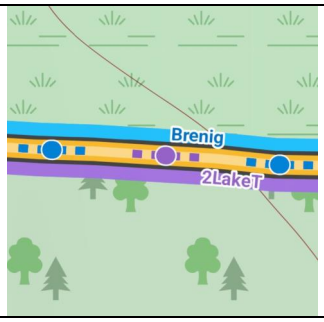
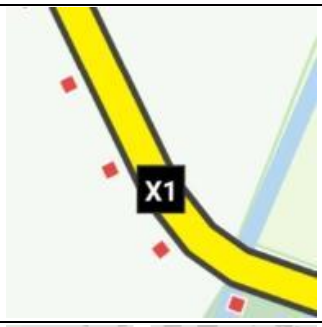
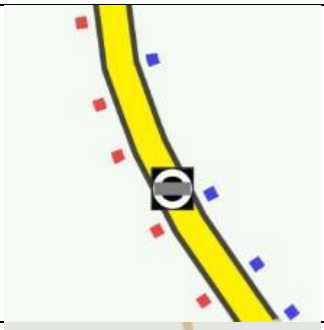
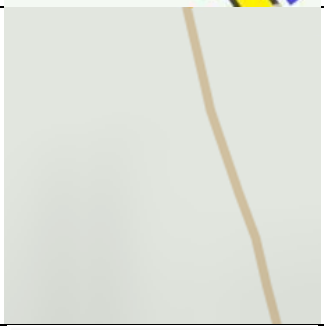
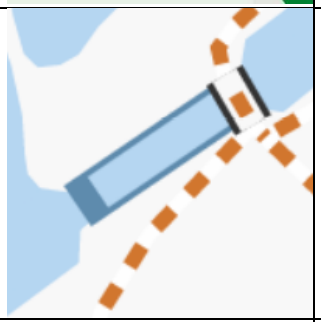
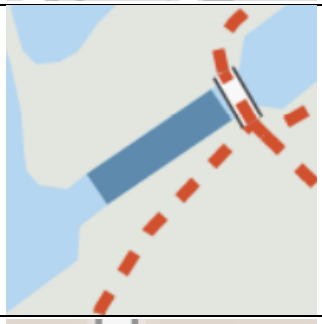
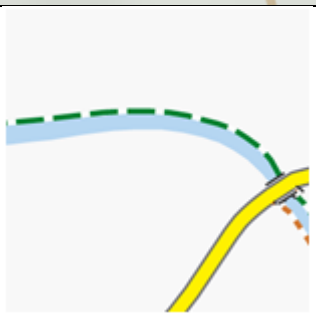
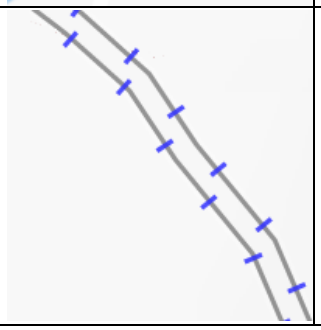
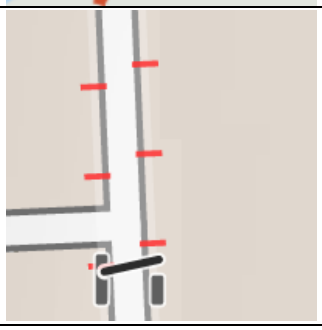
Footpaths, bridleways and cycleways are indicated on the map by dashed lines where they follow the path of a mapped track or pedestrian way if the map supports it (currently OpenAndroMaps). Also on maps from OpenAndroMaps, blue dashes on roads are either cycle routes or roads with cycle tracks alongside, while shorter blue dashes on roads show cycle lanes in the road.

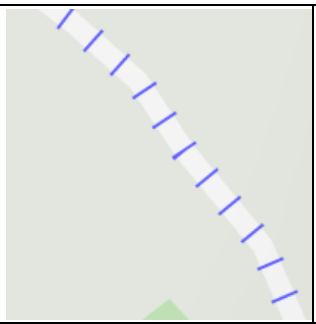
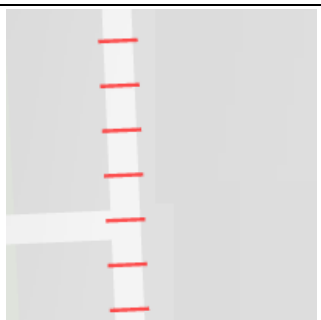
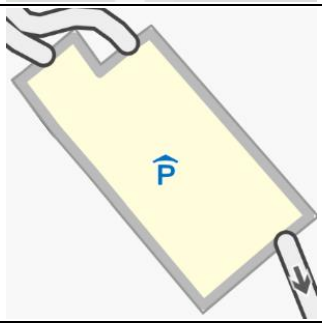
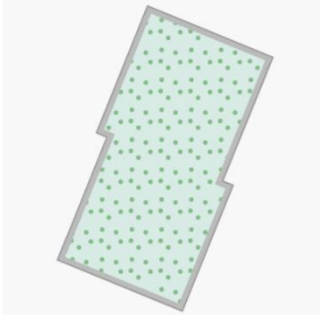
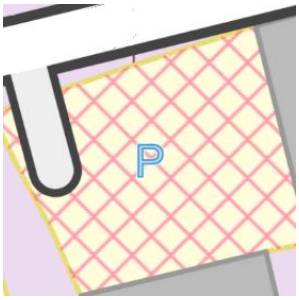
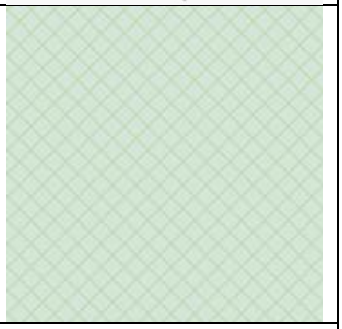
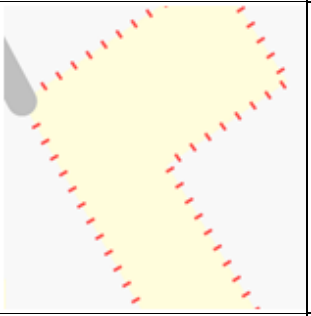
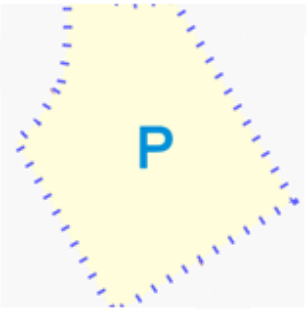
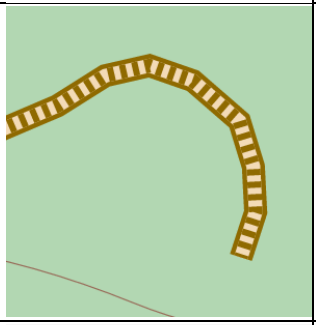
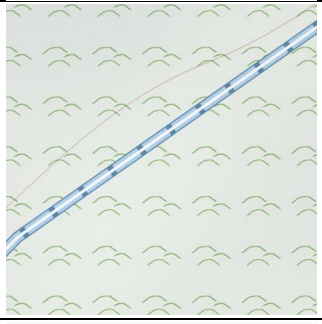
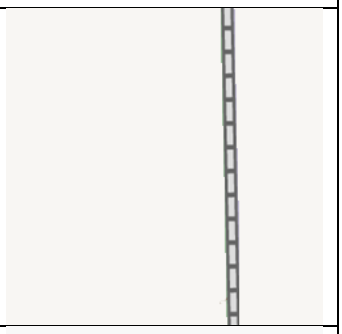
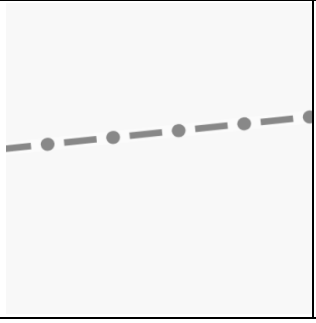
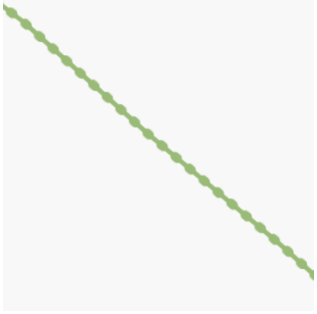
The Voluntary LE theme is offered in Locus if an older LoMap has been selected (or an older Mapsforge v3 map). The Voluntary V5 LE is optimised for both the latest LoMaps and OAM maps on the Locus app. Voluntary V5 is optimised OAM maps only, for use with other apps. All Voluntary themes are as similar as possible.

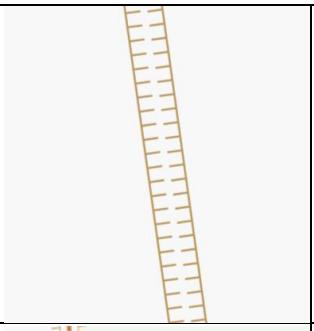
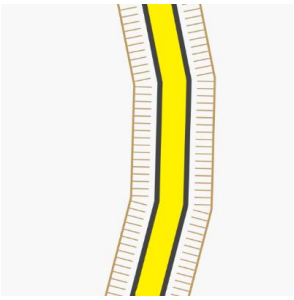
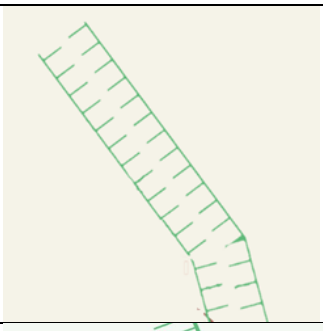
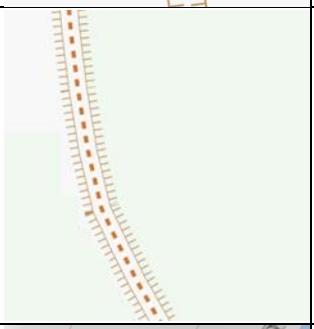
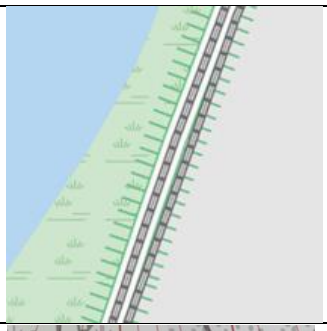
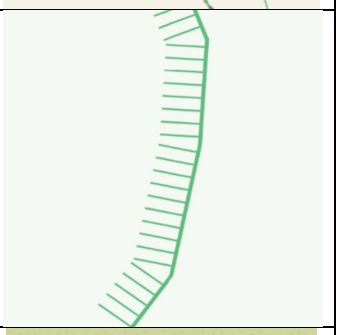
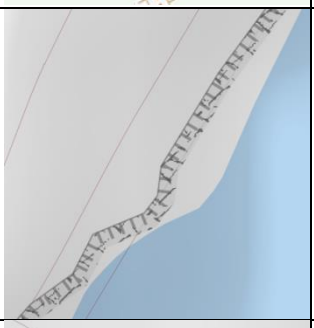
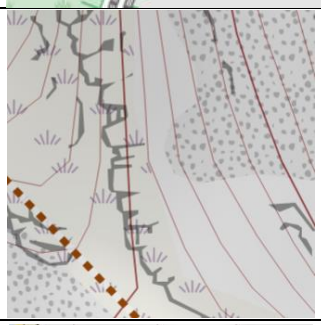
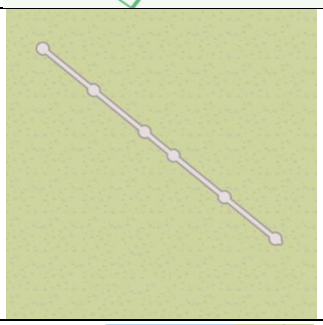
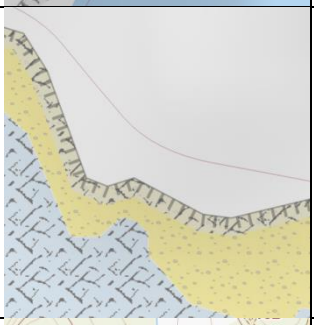
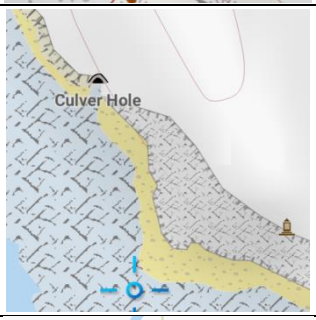
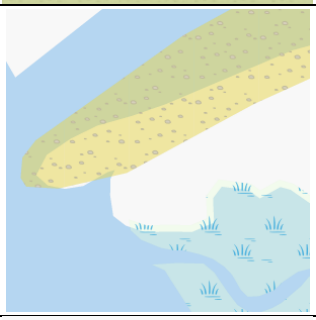
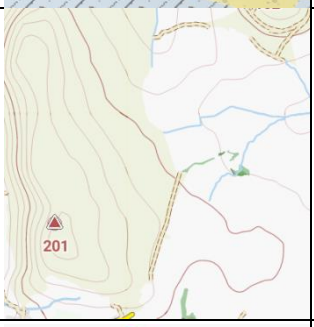
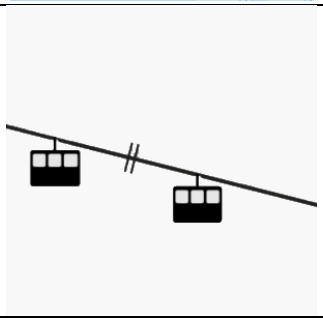
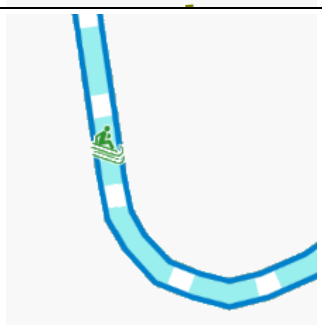
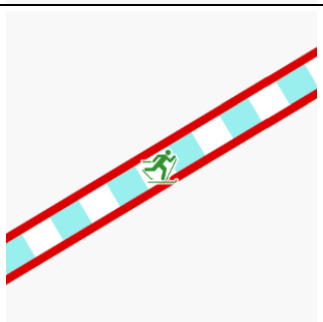
Also included is the visually-similar Velocity theme for a simpler display with much faster drawing.

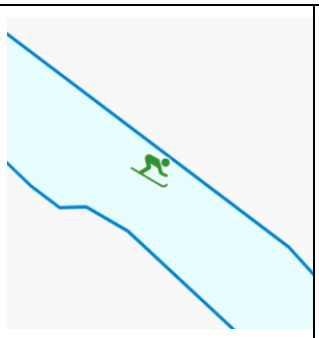
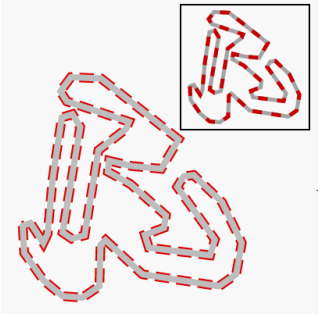
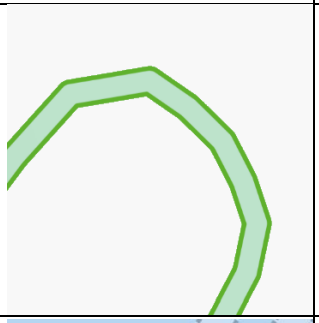
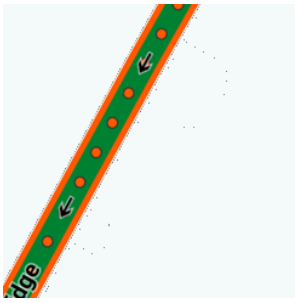
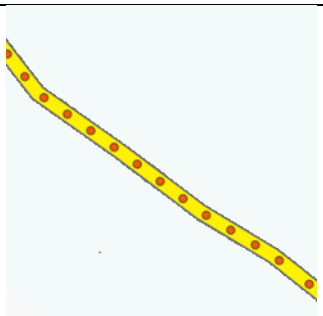
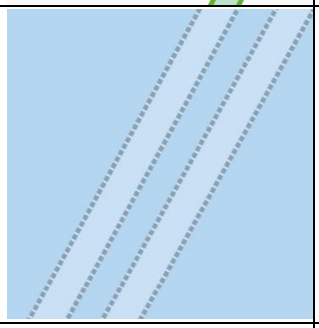
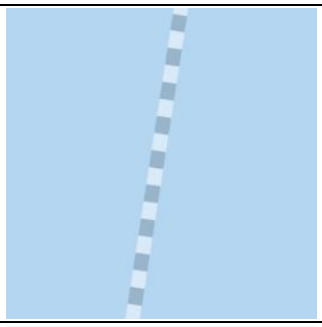
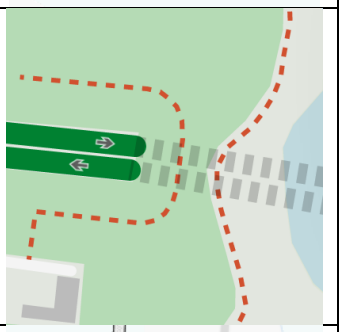
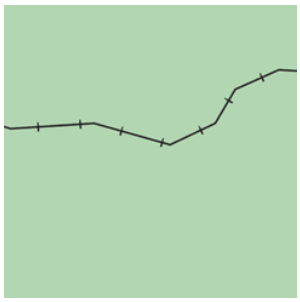
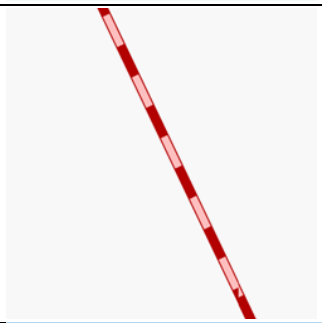
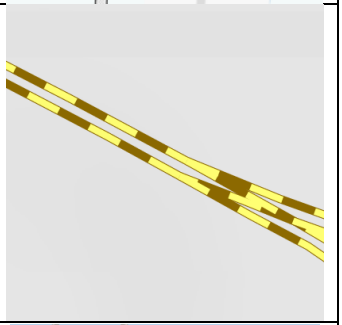
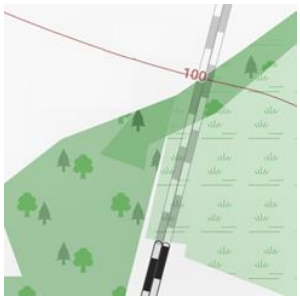
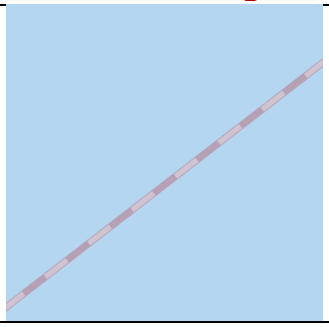
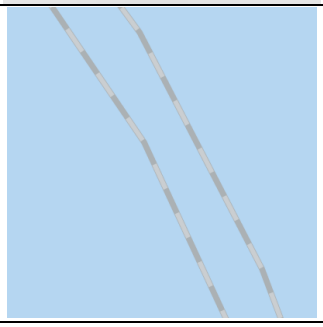
a) Motorway b) Primary Road c) A-class Road *NB: Road numbers are displayed differently in older LoMaps*			
a) B-class Road b) Tertiary c) Unclassified			
a) Residential b) Track (surfaced) with path c) Bridleway on unsurfaced track			
a) Track (grade 1, solid) b) Track (grade 2, mostly solid), with bridleway c) Track (grade 3, hard/soft mix)			
a) Track (grade 4, mostly soft) b) Track (grade 5, soft) c) Track, grade unknown			
a) Unclassified road, compacted surface b) Service road, loose gravel c) Road under construction *Road surfaces (paved, rough paved, compacted, loose gravel, raw) broadly match track grades*			

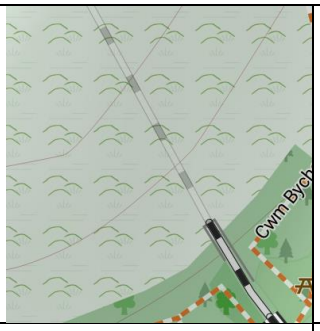
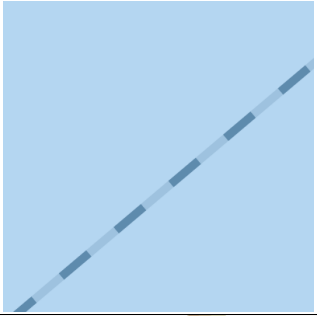
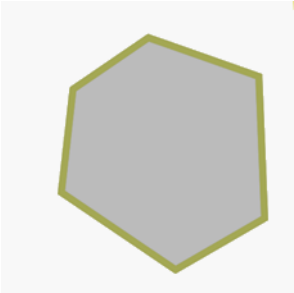
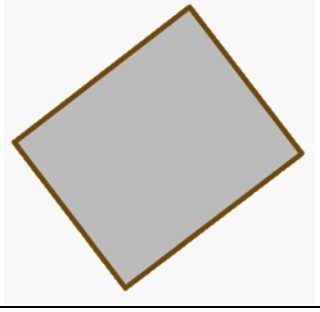
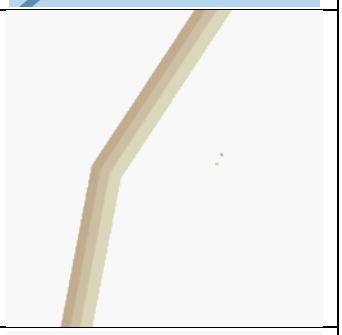
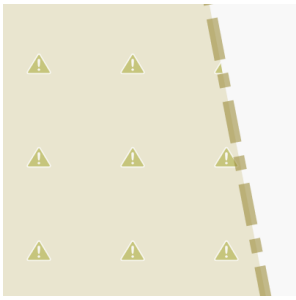
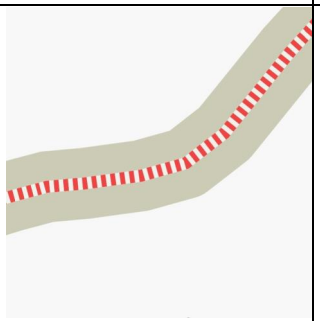
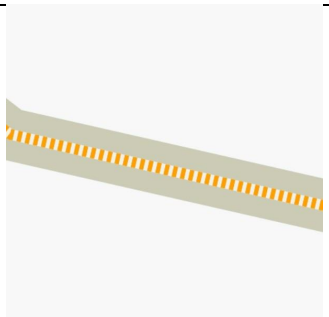
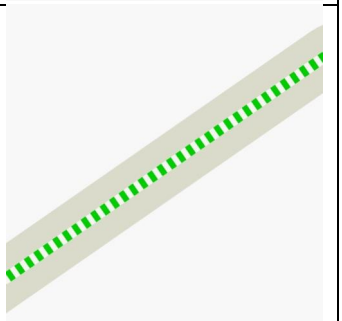
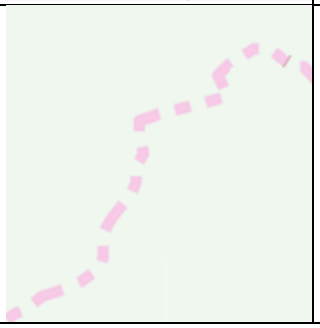
a) Mini roundabout b) Passing place c) Turning circle			
a) Cycleway and residential roads b) Bridleway (bike and foot) c) Path (foot) - (top) normal - (bottom) greater difficulty or lower visibility, SAC scale "demanding mountain hiking" (T3) and above.			
Cyclable surfaces: a) Paved – long dashes b) Compacted – medium dashes c) Gravel – short dashes			
a) Cycle track alongside road (long dashes) † b) Cycle lane within normal road† c) Cycle access allowed on pedestrian area (short blue dashes) †*Cycle tracks & lanes on roads shown only on OAM maps. Select for LH or RH traffic in style menu.*			
a) Ferry route b) Cycle (super)highway (OAM) c) Emphasised cycleway, usually dedicated			
a) Hiking trail on road (intermittent dashes & blobs) b) Cycle route on road (red IDs for national & international routes, blue for regional, local & node) Inset: cycle route node c) Mountain bike trail on track with access on foot and by bike			

a) Emphasised hiking trail on path b) Emphasised cycle route along road c) Both emphasised cycle and mountain bike routes on road			
Key to route highlighting 1. Emphasised routes *Plus Cycle highway (OAM)* 2. Colour-coded emphasis i. International ii. national iii. regional iv. local or node network (NL)	Hiking	Cycle	Mountain bike
OSMC waymarked trails a) Symbols and colour markers b) OAM maps – text symbol and coloured markers c) LoMaps – symbolic text marker (grey bar) and coloured markers for multiple trails			
a) Roads – Velocity b) Residential roads – Velocity c) Track – Velocity			
a) Lock & footbridge b) Lock & footbridge – Velocity c) Canal, towpath, road bridge			
a) Access only (blue ticks) b) Private access (red ticks) c) Private path (red ticks)			

a) Access only – Velocity b) Private - Velocity c) Private path - Velocity			
a) Car parking b) Covered parking c) Greenhouse			
a) Private parking b) Customer parking c) Private garden or private green space			
a) Private parking -- Velocity b) Customer parking – Velocity			
a) Steps b) Pipeline (above ground) c) Wall			
a) Fence b) Hedge c) Line of trees			

a) Ditch (barrier) b) Cutting c) Gully (natural)			
a) Embankment b) Dyke, walls c) Earth bank			
a) Cliff b) Cliff, rock outcrops etc. (UK OAM maps) c) Groyne			
a) Cliff, sand, rocks b) Cliff area, sand, rocks, sea c) Sand, above and below tide line, marsh			
a) Contour lines b) Power lines, major and minor c) Aerial cable car			
a) Sledding area (difficulty not known)* b) Sled track (easy)* c) Nordic skiing route (intermediate)* *Border colours denote difficulty (see below)			

a) Downhill ski piste (easy) b) Border colours show difficulty: Novice: green Easy: blue Intermediate: red Advanced: black Expert: orange Free ride: yellow Not known: pale blue c) Racetrack (inset: low zoom)			
a) Athletics track b) Toll road – main road b) Toll road – minor road			
a) Road tunnels b) Foot tunnel c) Road tunnel -- Velocity			
a) Railway b) Narrow gauge, preserved, or funicular railway c) Disused railway; abandoned railway			
a) Miniature railway b) Subway, Underground c) Tram, light rail, bus guideway			
a) Railway tunnel (twin track) b) Subway (rail) tunnel c) Light rail tunnel			

a) Narrow gauge railway tunnel b) Abandoned railway c) Ferry route			
a) Military building b) Historic building c) Historic area (to right)			
a) Military area b) Nature reserve (symbol & boundary) *or* National Park (boundary only). *Pink tint indicates likely access restriction, gold tint indicates probable accessibility* c) Tourist attraction (symbol & boundary)			
a) International border b) Disputed or de facto border c) Regional boundary			
a) Boundary (Velocity) b) Map border			

Areas			
aboriginal lands	allotments	beach	beach resort
construction site	education	fell	glacier
graveyard	heath	industrial	landfill
marsh/wetland	military	nature reserve	orchard
park etc	protected (accessible)*	protected (restricted)*	swimming
quarry	residential	retail	rock
scree	tourist attraction	scrub	vineyard
water park	wood - coniferous	wood - deciduous	wood - mixed or unknown

*Intensity of tint varies with zoom, being more intense at low zooms.

Accommodation, Transport and Water

Airport gate	Airport	Mountain hut (various)	Alpine hut	Alpine hut (private)	Alpine hut (winter)	Wilderness hut	Wilderness hut (private)	Open front camping shed
Bicycle hire	Bridge (lifting)	Bus stop (low zoom)	Bus stop	Bus station	Camp site	Caravan site	Chalet	Ferry terminal (low zoom)
Ferry terminal	Ford	Fountain	Fuel	Geyser	Helipad	Holiday lets	Hostel	Hotel
Junction number	Lighthouse	Parking	Parking (covered)	Parking	Parking (covered, private)	Rapids	Slipway	Spring
Subway (low zoom)	Subway	Station (low zoom)	Station	Tram/light rail stop	Tram stop	Waterfall	Weir	Well

Food and Tourism

Archaeo-logical	Artwork	Bar	Bench	Biergarten	Boundary stone	Cafe	Castle	Cinema
Drinking water	Fast food	Fire station	Guidepost	Ice cream	Information office	Information terminal	Info board	Info map
Information (other)	Library	Memorial	Memorial: plaque	Memorial: statue	Memorial: Stolperstein	Memorial stone	War memorial	Monument
Museum	Picnic site	Police station	Post box	Post office	Pub	Restaurant	Recycling	Ruins
Shelter (low zoom)	Shelter	Shelter (picnic)	Shelter (rock)	Star attraction	Stone (historic)	Telephone	Theatre	Toilets
Toilets (customer)	Viewpoint	Water wheel	Wayside cross	Wayside shrine	Windmill	Windpump	Zoo	

Barriers, Money & official, Aerial ways, Towers, Miscellaneous, Worship

Blocks	Bollard	Border or checkpoint (low zoom)	Border control	Police or military checkpoint	Cattle grid	Cycle barrier	Gate	Gate -- private
Gate – no bikes	Kissing gate	Lift gate	Log	Stile	Stone (natural)	Turnstile		
ATM	Bank	Currency exchange	Embassy	Town hall				
Aerialway station	Cablecar	Chair lift	Drag lift	Gondola	Goods lift	Comms mast	Lookout tower	Water tower
Bunker (military)	Bunker (disused)	Cave	Farm	Mine	Mine (disused)	Petroleum well	Sewage works	Waterworks
Buddhist	Christian	Hindu	Jewish	Buddhist	Shinto	Unknown or other		

Sport, Eco

Beach resort	Cliff diving	Climbing	Climbing adventure	Downhill skiing	Football	Free flying	Golf	Leisure centre
Miniature golf	Nature reserve	Nordic skiing	Playground	Playground (private)	Recharging	Roller skating	Shooting	Skateboard
Sledding	Stadium	Swimming	Tennis	Track	Tree	Tree (alternative)	Water park	

Shops

Baker	Bicycle shop	Bookshop	Butchers	Car repairs	Clothes shop	Convenience store	DIY store	Drinks shop
Farm shop	Florist	Hair-dresser	Laundrette	Mall or Dept store	Market	Optician	Organic, Greengrocer	Sports shop
Super-market	Travel agency							

Power

Power station (coal)	Power station (gas)	Power station (nuclear)	Power tower (major)	Power tower (minor)	Solar power	Water power	Wind power	

Emergency

Defibrillator	Doctor	Emergency access	Emergency phone	Hospital	Pharmacy			

Education

Nursery	School	College	University					

Mountains

Peak	Survey point (peak)	Volcano	Cairn	Pass				

Traffic								
One way	One way ex. bikes	Traffic lights	Level crossing	Foot crossing				