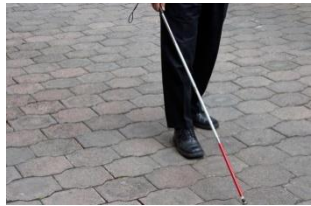

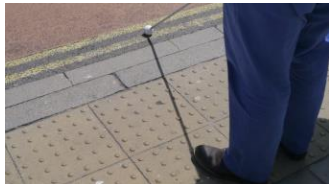

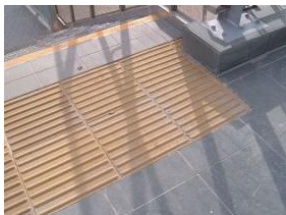









Name	Passive	Active	Explanation
The long cane	√		In order to detect obstacles for determining the safe walking routes.
			
The cane			
A guide dog	√		Guide dogs are trained to lead their owner around obstacles. They help for choosing the safest routes and indicate learned landmarks on a route.
			
Guide dog			
	√		Blister paving It is used on pedestrian crossings. It is a warning for someone with a visual impairment that there is a road crossing (Henshaws, 2017).
			
Blister paving			
	√		Offset blister paving It is used at train, tram and tube platforms. It is a warning for the edge of the platform (Henshaws, 2017).
			
Offset blister paving			
Tactile paving	√		Corduroy tactile paving It is warning for the presence of specific hazards like steps, level crossings or the approach to on~street light rapid transit platforms (Henshaws, 2017).
			
Corduroy paving			
	√		Lozenge tactile It is a warning surface on street that they are approaching the edge of an on-street light rapid transit platform.
			
Lozenge tactile paving			

	√	<p>Cycle way tactile paving</p> <p>It is used in conjunction with a segregated shared cycle track/footway. The purpose of the surface is to advise people the correct side to enter.</p>	
	√	<p>Guidance tactile</p> <p>It is used to guide people along a route. It can also be used to guide people around obstacles like street furnitures in a pedestrianised area.</p>	
Tactile maps	√	<p>Tactile maps are 3D maps using map data from OpenStreetMap (Scott, 2016) .</p>	
Tactile traffic maps	√	<p>Tactile traffic maps (diagrams with three-dimensional features and braille text). Each map uses 3-D shapes and bright, high-contrast colors to depict the intersection from one of the eight possible perspectives of someone about to cross it (Marks, 2017).</p>	
Using beacons	√	<p>Using beacons which provide audio instructions via a smartphone application.</p>	
Navigation headsets	√	<p>GPS enabled navigation headset with an immersive navigation system which lets the user hear the surroundings as a“3D soundscape”.</p>	

Cycleway tactile paving

Directional guidance paving

Tactile maps

Beacons

Navigation headset