

Station Item Description

Ref	Item	Item Description
	Access Road	
1	Lighting	1no. 10m lighting column (1 column per 15m / 50 feet length) 1no. Equipment cabinet Installation of new power distribution including cabling and ducting
2	Pedestrian Footway	2000mm wide with 150mm kerbing
3	Metalled Road	6000mm wide tarmac road with white lining; post and wire fencing; drainage
	Car Parking	
4	CCTV	3no. Dennard 506 Camera Housing and 3no. CCTV signs; 3no. Abacus T041RLS/FP posts; 1no. equipment cabinet; new telecoms, power distribution and cabling for CCTV cameras; installation and concrete bases.
5	CCTV Control Room Recording Equipment	1no. Sony HSR-2P 16 Channel Digital Recorder; 1no. Sony HSR Real Time Incident Recorder; 2no. LG Nevo 19" LCD Colour Display Monitors; installation of telecoms link and power connection
6	Lighting	1no. 8m lighting column (1 column per 15m / 50 feet length) 1no. Equipment cabinet Installation of new power distribution including cabling and ducting
7	Metalled Surface	Provision of tarmac surface with car park space white lining
8	White Lining	Where existing surface to be retained, cost to include car park space white lining only
	Stations	
9	Ticket Vending Machine (TVM)	Scheidt and Bachmann TVM including installation and concrete base; installation of new telecoms and power distribution; 1no. TVM sign
10a	Customer Information System (CIS)	1no. Infotec P-1088 double sided Next Train Indicator (NTI) display unit and 1no. post; 1no. equipment cabinet; 2no. Train Mass Detectors (TMDs) mounted on 2no. Abacus T041RLS/FP posts; install new telecoms and power distribution cabling for NTI unit and TMDs; cost includes installation and concrete bases for all equipment stated
10b	Customer Information System (CIS)	1no. Infotec P-1088 double sided Next Train Indicator (NTI) display unit and 1no. post; 1no. equipment cabinet; install new telecoms and power distribution cabling for NTI unit; cost includes installation and concrete bases for all equipment stated
11	Help and Information Point	1no. LeLas TLS376E1S 2 button Help Point and Information Point; 1no. Gallows Pole; installation and concrete base; installation of new telecoms, power distribution and associated cabling; 1no. sign
12	CCTV Platform	4no. Dennard 506 Camera Housing; 4no. Abacus T041RLS/FP posts; 1no. equipment cabinet; installation and concrete bases; provision of Digital Video Recorder (for equipment cabinet); installation of new telecoms, power distribution and cabling for CCTV cameras; 4no. CCTV signs
13	CCTV Control Room Recording Equipment	1no. Sony HSR Real Time Incident Recorder; 1no. LG Nevo 19" LCD Colour Display Monitors; installation including telecoms link and power connection
14	ATW Seating	1no. 4 person DDA compliant Populus modular seating system including installation
15	ATW Shelter	1no. Paragon Anti-Vandal shelter including installation and provision of a concrete base
16	DDA Compliant access leading to platforms	Footway dropped kerbing Stepped access with handrails both sides; non slip surface Ramp >6m in length: 1350mm wide 1:20 tarmac ramp with handrails on both sides; alternate ramp surface colour to horizontal levels; horizontal landings (for every 6m ramp length)
17	NR Compliant platform height	Raise height of platform by 'Harrington hump' method (PC concrete modular) system < 500mm Raise height of platform by demolish and rebuild < 500mm
18	Cycle Facilities	Installation of 5no. Sheffield Cycle stands

Ref	Item	Item Description
19	Dedicated Vehicle Drop Off / Pick Up Point	1no. DDA compliant vehicle drop off / pick up point to accommodate 2no. cars; built to standard and including road markings, 150mm kerbing and dropped kerbing; 1no. Sign / shelter / dedicated lighting column
20	Minor Items	4 Poster Board Display Case; to include general information, tourist information and train timetable
		1no. Litter Bin (hoop type; clear plastic)
		4no. general station signs (exit/entrance; highway station location signs; information point, for example)
		1no. Station Name Sign
	Access between platforms	
21	DDA Compliant access between platforms	Footway with dropped kerbing at both ends at station entrances
22		NB: Ramp >6m in length: 1350mm wide 1:20 concrete ramp with handrails on both sides, alternate ramp surface colour to horizontal levels; horizontal landings (for every 6m ramp length)
23		Road level crossing (pedestrian access): provide new holdfast pedestrian footpath and white lining (excluding barriers)
24		Footbridge with 1:20 ramps and stepped access; handrails on both sides of ramp and steps
25		Subway
26		1no. Holdfast barrow crossing; 2no. platform end ramps (18m) 1:20 gradient

Additional Notes / Cost Assumptions

- (1) All cost items allow for installation
- (2) Where CIS screens are provided ATW do not recommend that information points are also installed
- (3) Connection to telecoms and power distribution assumes existing availability to station
- (4) ATW do not wish to install bike lockers which cause maintenance and security issues
- (5) 1350mm ramp applicable for category E and F stations
- (6) Bus Integration facilities have been covered under a separate cost estimate
- (7) Number of car parking spaces are approximate where there is a lack of white lining
- (8) All stations subject to detailed feasibility assessment to determine actual requirements
- (9) Inflation costs added to the net item cost at **2.5%** (to achieve 2009 prices)
- (10) Risk & Optimism Bias costs added to the net item cost at **50%**
- (11) Prelims have been added at **25%** to include site office costs; stores and running costs; security; and all staff costs
- (12) Design costs have been added at **15%**
- (13) Network Rail Management costs and Sponsor costs have been added at **12%**
- (14) Overhead and profit costs have been added at **10%** to account for all head office support costs; insurances; bonds; and profits
- (15) Possession costs have been applied where applicable notably road level crossings; footbridges; and barrow crossing works
- (16) Additional works have been prioritised for category 2 interchange stations at Caersws; Llandoverly; and Ammanford (see category 2 costs outlined in red)
- (17) Cost per passenger comparables are based on fixed 2008/09 Arriva Trains Wales data
- (18) Ticket Vending Machines have not been included for any of the Category 3 stations at any point of the proposed programme
- (19) All programme calculations are based on the 2007/08 ORR data and does not include for inflation during the 15 year period
- (20) The Arriva Trains Wales standard station specification has been used to help create the station facilities checklist
- (21) CIS 10a) Cost item includes platform Train Mass Detectors for Heart of Wales line.
- (22) CIS 10b) Cost item excludes platform Train Mass Detectors for Cambrian Coast and Main lines.
- (23) All proposals at stations have been made following the Capita Symonds Station Asset Survey undertaken in October 2009. No detailed measurements were undertaken and all proposals have been based on visual interpretation. Comprehensive feasibility studies would be required to confirm actual requirements at specific station sites.