

ISSUE	Description	Calculation	TOTAL COST	% contribution	YTL (\$106)	WECA	Trigger	BCC		SGC	
Highway Newtork Management	Fibre optic communications network (to convey fast broadband, Bus RTI, signal control and CCTV) to the Arena along Charlton Road (to connect the Arena) and along Southmead Road and The A38 as far as the M5. However, these contributions would not include the cost of signal heads, signal controllers, inductive loops / changes to junctions etc. The cost of this is between £80-£140 per metre if laid in isolation, but £1- £5 per metre if combined with other roadworks.	£140 per metre	£1,250,000	25%	£312,500	£937,500	Commencement	50%	£156,250	50%	£156,250
	Assessment of options, surveys, modelling, cross-party working to determine requirements for A38 / J16 corridor & Junction 17 area - one year consultancy sum		£200,000	50%	£100,000	£100,000	Upon Invoicing	0%		100%	£100,000
	Continuation of joint-working and training of control centre operatives, whether SGC / BCC or HE		£25,000	100%	£25,000		Commencement	50%	£12,500	50%	£12,500
	SCOOT / UTC or similar to be delivered, this could require upgrades to each signal junction	10000 per junc.	£100,000	50%	£50,000	£50,000	Commencement	50%	£25,000	50%	£25,000
	CCTV Cameras on key points of route	10000 per camera	£200,000	100%	£200,000		Commencement	50%	£100,000	50%	£100,000
	additional VMS signage - 2x A38, 2x Southmead Road	£35,000 each	£140,000	100%	£140,000		Commencement	100%	£140,000	0%	
additional VMS or similar (RGB) signage		£300,000	100%	£300,000		Commencement	0%		100%	£300,000	
Signal / Junction Improvements	Upgrade to Gloucester Road / Toronto Road signals		£10,000	25%	£2,500	£7,500	Commencement	100%	£2,500	0%	
	A38 / Combination Ground junction - Signal equipment upgrade		£35,000	25%	£8,750	£26,250	Commencement	0%		100%	£8,750
	A38 / A4174 Filton Roundabout - signal equipment upgrade		£100,000	25%	£25,000	£75,000	Commencement	0%		100%	£25,000
	Southmead Road / Golf Course Lane - signal equipment upgrade		£150,000	25%	£37,500	£112,500	Commencement	0%		100%	£37,500
	Shields Centre Staggered Toucan Crossing - signal equipment upgrade		£25,000	25%	£6,250	£18,750	Commencement	0%		100%	£6,250
	Funding a Southmead area study to investigate solutions to development impact to include:		£75,000	100%	£75,000		Commencement	100%	£75,000	0%	
Public transport Infrastructure	Contribution towards the expansion of Portway Park & Ride to secure 500 spaces		£750,000	75%	£562,500	£187,500	Commencement	100%	£562,500	0%	
	Funding of 2x large bus stop facilities in City Centre to provide Shuttle services to the arena for 130 events per year		£420,000	100%	£420,000		Commencement	100%	£420,000	0%	
	Funding of additional staff to resource the management of buses, crowds and highway network		£30,000	100%	£30,000		<6 months occ.	100%	£30,000	0%	
Walking and Cycling Infrastructure	Funding of cycling improvements along Charlton Road to the south west of the development		£300,000	25%	£75,000	£225,000	Commencement	100%	£75,000		
Parking Restraint Measures	Funding of the design, consultation and implementation of an Event Day Residents Parking Scheme across Brentry, Henbury, Southmead, Charlton Hayes, Filton		£700,000	100%	£700,000		Commencement	46%	£325,000	54%	£375,000
Travel Plan	Monitoring Fee, based on 5 uses - D1 / D2 / A1 / A3 / A4 / B1a @ £5,165 per use (as per policy)		£30,990	100%	£30,990		<6 months tickets two tranches	100%	£30,990		
	Monitoring Fee for SGC		£15,250		£15,250			0%		100%	£15,250
	Bond (up to)		£700,000		£700,000						
TOTAL BCC REQUIREMENTS			£1,755,990		£1,335,990	£420,000					
TOTAL SGC REQUIREMENTS			£625,250		£392,750	£232,500					
TOTAL CROSS BOUNDARY REQUIREMENTS			£2,475,000		£1,387,500	£1,087,500					
TRAVEL PLAN PENALTIES			£700,000		£700,000		WECA	BCC	SGC		
TOTAL			£5,556,240		£3,816,240		£1,740,000	£1,954,740	£1,161,500		

Filton Arena - Planning Conditions (Transport)

NO	TRIGGER	TITLE	SUMMARY
4	Prior to Commencement	Site Wide Phasing Plan	
10	Prior to Commencement	Construction Management Plan	
21	Prior to Commencement	Transport Management Plan	internal infrastructure delivery timetable, linkage to CPNN
22	Prior to Commencement	Cycle Parking Strategy	meeting minimum requirements as per LP
23	Prior to Commencement	Car Park Management Plan	Staff (56) and disabled parking (170) + ped routes
24	Prior to Commencement	EV Provision	20% active, 80% passive
32	Within 6 months of commencement	Signage / Wayfinding	Strategic / Local Routing / Walking & Cycling / Leigble City
34	6 months prior to ticket sales	Event and Travel Ticket Strategy	Ticket / Travel Purchase / Pricing / website / info sent
35	6 months prior to ticket sales	Event Management	Events / Capacities / ETOG / on site / off site measures / monitoring
36	6 months prior to ticket sales	Rail Service Strategy	Demand / usage / services / bespoke services / enhancements / mgmt
37	6 months prior to ticket sales	Bus Service Strategy	Demand / committed services / new services / arena stops / timetable
38	6 months prior to ticket sales	P&R Strategy	operator agreement / sites / 30% mode share / parking / passenger facilities / routing / signage / ticketing / buses
39	6 months prior to ticket sales	Shuttle Bus Strategy	Agreement with operators / routing / ticketing / capacity / frequency / locations / shelters
40	6 months prior to ticket sales	Notification of Ticket Sales	Notify BCC of intention to sell tickets
41	6 months prior to ticket sales	Visitor Travel Plan	25% Park on site / 30% P&R / 10% PUDO / 3% Coach / 3% Rail / 3% Bus / 16% Shuttle / 5% Taxi / 5% Ped Cycle
42	6 months prior to ticket sales	Staff Travel Plan	20% Driver / 14% passenger / 10% PUDO / 15% Rail / 15% Bus / 14% Shuttle / 1% Taxi / 11% Ped Cycle
43	Prior to Occupation	Cycling Management Plan	Routes in and out of CPNN / Management & Maintenance of cycle parking / Cycle parking security
49	Prior to Occupation	Unloading Facilities	servicing / circulation / unloading
50	Prior to Occupation	Management & Maintenance of Carriageways	Future management / maintenance of carriageways by private operator
51	Prior to Occupation	Delivery and Servicing Plan	Management of Servicing
52	Prior to Occupation	Pedestrian / Cycle Access	
53	Prior to Occupation	Vehicular Access	
54	Prior to Occupation	Refuse Storage	
55	Prior to Occupation	Transport Management	Portway P&R using Charlton Road / Mall P&R using San Andreas / UWE, Parkway, Lyde & Shuttle using Combination / Parkway using A38
57	Events exceeding 6,999	Highway / Traffic Signals	No events of 6,999 until integration of Aztec West / J16 signals
59	Post Occupation Management	Parking Allocations	Parking areas used only for parking
60	Post Occupation Management	Parking Restrictions	Parking only in allocated areas
67	Post Occupation Management	Event Timings & Capacities	Avoidance of Peak Hour traffic, Bristol Rovers matches and Major Cricket matches