DRAFT Transport Scheme - Bromsgrove and Redditch Plans

Bromsgrove District Plan

Sustainable Transport Schemes

Bromsgrove

Location	Context	Potential Scheme	Total Cost (inc OB)
Cluster 5	Cycle Route 5 routes through Perryfields providing access route for pedestians and cyclists to town centre and Bromsgrove Rail Station	Signing strategy to link Perryfields Development site to Cycle Route 5 through residential streets such as Green Road, Carol Avenue, Grayshott Close, Junction Road and Willow Road Provision for 2 Gold Standard Bus Stops	£ 100,000.00
Cluster 5	No existing pedestrian/cycle crossing facility on Perryfields Road in proximity to Sidemoor First School and Nursery	Provide a Toucan crossing	£ 80,000.00
Cluster 5	Perryfields Road in its existing form is considered as an on road cycle route although cyclists are warned to 'take special care on this section of route'. Vehicle traffic flows on this section will increase due to development trips, therefore the existing facilities for cyclists should be improved	Provide a shared use predestrian/cycle path adjacent to Perryfields Road to link Kidderminster Road with Stourbridge Road	£ 1,420,000.00
Cluster 6	Development site to west of Birmingham Road between Cycle Route 2 which links to Cycle Route 5 north towards Catshill and Cycle Route 1 which links south towards Bromsgrove town centre	Scheme to link through development site to directly connect Cycle Routes 1 and 2 via Elm Grove and Public Footpath to the north, to link Barnsley Hall Drive and provide signage Provision for 2 Gold Standard Bus Stops	£ 610,000.00
Cluster 7	Development sites located between Burcot Lane and Slideslow Drive in proximity to Cycle Route 1	Signing Strategy to provide directions from development site to Cycle Route 1 Provision for 2 Gold Standard Bus Stops	£ 80,000.00
Cluster 8		Cycle scheme to connect Regents Park Road/Green Park Road to Cheshworth Road/Cornforth Road via Finstall First School. Provision for 2 Gold Standard Bus Stops	£ 210,000.00
Cluster 9	Development site loacted to the west of Whitford Road. Sustainable transport links to town centre via Sanders Park	Potential to create designated walk / cycle route from the development site to the town centre via Sanders Park - upgrade existing path Provision for 2 Silver Standard Bus Stops	£ 560,000.00
Cluster 9	No existing crossing facility on Whitford Road to access development site	Provide a Toucan crossing	£ 100,000.00
Cluster 11	Development sites located both east and west of the railway line. The cluster of development sites is joined by a pedestrian footbridge over the railway line at Railway Walk. At present only link to town centre via a recognised cycle/pedestrian route is via Cycle Route 5 but this is a long route from this location and off the desire line.	Improved signage for pedestrians and cyclists via Railway Walk, Newton Avenue and Sherwood Road. Toucan pedestrian crossing at the A38 junction with Charford Road and a signed pedestrian/cycle path linking Charford Road with Conway Road (behind South Bromsgrove High School) to provide a link towards the town centre. Provision for 2 Gold Standard Bus Stops	£ 520,000.00
Bromsgrove	Provision for additional dropped kerbs at various locations around the town centre and residential areas	Providing additional crossing facilities in the form of controlled / dropped kerbs will increase the attractiveness of travelling by sustainable modes on certain routes and at key junctions and in turn increase the connectivity across the town	£ 110,000.00
Bromsgrove	Poor cycle parking provision in town centre	Provide additional cycle parking infrastructure in Bromsgrove town centre	£ 10,000.00
Bromsgrove	Need for improved cycle / pedestrain signage to the railway station	Improved signing of Cycle Route 5 to provide directions to Bromsgrove Railway station	£ 40,000.00
Bromsgrove	Requirement to provide additional infrastructure along the New Road corridor to prioritise the route for sustainable modes	Providing additional facilities for cyclists and pedestrians along the New Road corridor improve the attractiveness of the key route linking the town centre and the railway station. Includes additional dropped kerbs, a Toucan Crossing, informal crossings and additional street signage	£ 150,000.00
Bromsgrove	Lack of information for cyclists and pedestrains around the town	Installation of information kiosks displaying cycle route maps, suggested pedestrian routes etc at key locations in Bromsgrove. Suggest: at cycle storage facility, bus station and railway station. Provision of Gold Standard Bus Shelters at nearest bus stops to the infomation kiosks	£ 220,000.00
Bromsgrove	Perception of a poor built environement and public realm in and around Bromsgrove town centre	Public realm enhancement scheme - including improvements to High Street, Church Street, Mill Lane, School Drive, Worcester Road and Market Place	£4,656,800 (Total Budget)
		SUB TOTAL	**£ 8,866,800.00**

Hagley

Location	Context	Potential Scheme	Total Cost (inc OB)
Cluster 1	Concerns over current proposals for the Hagley ADR site and walk and cycle access from the development site to Hagley town centre across the A456	Provision of a Toucan crossing over the A456 at the south western corner of the development site. This will also provide access to the Hagley Primary School.	£ 90,000.00
Hagley	Poor cycle parking provision at West Hagley Railway Station	Provide additional cycle parking infrastructure at West Hagley Railway Station	£ 20,000.00
Hagley	Need for improved cycle / pedestrain signage to the railway station	Improved signing of cycle routes to West Hagley Railway Station	£ 20,000.00
Hagley	Lack of information for cyclists and pedestrains around the town	Installation of information kiosks displaying cycle route maps, suggested pedestrian routes etc at key locations in Hagley. Suggested site: railway station. Provision of a Gold Standard Bus Shelter at nearest bus stop to the information kiosks	£ 80,000.00
		SUB TOTAL	**£ 210,000.00**

Longbridge

Location	Context	Potential Scheme	Total Cost (inc OB)
Longbridge	Poor cycle parking provision at Longbridge Railway Station	Provide additional cycle parking infrastructure at Longbridge Railway Station	£ 30,000.00
Longbridge	Need for improved cycle / pedestrain signage to the railway station	Improved signing of cycle routes to Longbridge Railway Station	£ 20,000.00
Longbridge	Lack of information for cyclists and pedestrains at Railway Station	Installation of information kiosks displaying cycle route maps, suggested pedestrian routes etc at key locations in Longbridge. Suggested site: railway station. Provision of a Gold Standard Bus Shelter at nearest bus stop to the information kiosks	£ 80,000.00
		SUB TOTAL	**£ 130,000.00**

Barnt Green / Alvechurch

Location	Context	Potential Scheme	Total Cost (inc OB)
Barnt Green	Poor cycle parking provision at Barnt Green Railway Station	Provide additional cycle parking infrastructure at Barnt Green Railway Station	£ 30,000.00
Barnt Green	Need for improved cycle / pedestrain signage to the railway station	Improved signing of cycle routes to Barnt Green Railway Station	£ 20,000.00
Barnt Green	Lack of information for cyclists and pedestrains around the town	Installation of information kiosks displaying cycle route maps, suggested pedestrian routes etc at key locations in Barnt Green. Suggested site: railway station. Provision of a Gold Standard Bus Shelter at nearest bus stop to the information kiosks	£ 60,000.00
Barnt Green	Lack of wheelchair access to Barnt Green Railway Station	New ramped access pedestrain footbridge to provide access to all platforms for wheelchair users	£ 1,805,000.00
Alvechurch	Poor cycle parking provision at Alvechurch Railway Station	Provide additional cycle parking infrastructure at Alvechurch Railway Station	£ 20,000.00
Alvechurch	Need for improved cycle / pedestrain signage to the railway station	Improved signing of cycle routes to Alvechurch Railway Station	£ 20,000.00
Alvechurch	Lack of information for cyclists and pedestrains around the town	Installation of information kiosks displaying cycle route maps, suggested pedestrian routes etc at key locations in Alvechurch. Suggested site: railway station. Provision of a Gold Standard Bus Shelter at nearest bus stop to the information kiosks	£ 80,000.00
Alvechurch	Lack of parking at Alvechurch Railway Station	Expansion to existing car park at Alvechurch Railway Station - 100 additional car parking spaces	£ 420,000.00
Redditch / Alvechurch / Barnt Green / Birmingham	Redditch - Birmingham Railway Line/Service	Enhancements to the existing rail infrastructure and service	Network Rail Scheme
		SUB TOTAL	**£ 2,455,000.00**

Wythall

Location	Context	Potential Scheme	Total Cost (inc OB)
Wythall	Poor cycle parking provision at Wythall Railway Station	Provide additional cycle parking infrastructure at Wythall Railway Station	£ 30,000.00
Wythall	No car parking available at Wythall Railway Station	Provide 100 vehicle space car park facility at Wythall Railway Station	£ 420,000.00
Wythall	Bus stops located outside Wythall Railway Station are in need of upgrading	Provide two new high standard bus shelters with RTI system outside Wythall railway Station	£ 50,000.00
Wythall	Need for improved cycle / pedestrain signage to the railway station	Improved signing of cycle routes to Wythall Railway Station	£ 20,000.00
Wythall	Lack of information for cyclists and pedestrains around the town	Installation of information kiosks displaying cycle route maps, suggested pedestrian routes etc at key locations in Wythall. Suggested site: railway station.	£ 50,000.00
		SUB TOTAL	**£ 570,000.00**

Bromsgrove - Proposed Highway Schemes

Junction	Location	Existing Situation	Optimum Scheme	Requirement	Total Cost (inc OB)
1	A38 (Worcester Road/Redditch Road) / B4094 (Worcester Road)	Roundabout Junction	Implement signalised junction to replace existing roundabout	Scheme required in Core Scenario	£ 1,250,000.00
2	A38 (Redditch Road) / Hanbury Road	Signalised Junction	Upgrade signal junction to install MOVA	Scheme required in Core Scenario	£ 60,000.00
3	A38 (Redditch Road) / Austin Road / Buntsford Park Road	Roundabout Junction	Implement signalised junction to replace existing roundabout	Scheme required in Core Scenario	£ 2,460,000.00
4	A38 (Redditch Road) / Duntsford Drive	Roundabout Junction	Implement signalised junction to replace existing roundabout	Scheme required in Core Scenario	£ 1,800,000.00
5	A38 / Stoke Road	Signalised Junction	Signal Optimisation Scheme	Scheme required in Core Scenario	£ -
6				Scheme required in Core Scenario	£ -
7	A448 (Bromsgrove Highway) / A38	Roundabout Junction	Signalised Roundabout junction. Signals in operation on A38 and eastern A448 approach. Operated using MOVA. Provide a 'hamburger' section through the junction to link the westbound A448 approach with the northbound A38 at the north of the junction	Scheme required in Core Scenario	£ 9,310,000.00

9	M42 Junction 1 / A38	Signalised Roundabout Junction	Close off access to existing signalised roundabout from B4096 (Alcester Road) - requires supporting TRO. Re-direct traffic via School Lane (Lickey End). Signal optimisation scheme at junction. Implement signalised junction on A38/School to accommodate diverted traffic resulting from scheme proposal at M42 Junction 1. Scheme will require a school safety zone and supporting TRO	Scheme required in Core Scenario	£ 1,140,000.00
10	M5 Junction 4 / A38 (Birmingham Road)	Signalised Roundabout Junction	Additional approach lane on the A38 Halesowen Road approach to the junction. Will require extensive civils work	Scheme required in Core Scenario	£ 1,170,000.00
11	A448 (Kidderminster Road) / Whitford Road / Perryfields Lane	Priority Junction (Crossroads)	Signalised junction with MOVA control	Scheme required in Core Scenario	£ 1,230,000.00
12	B4091 (Stourbridge Road) / Barnsley Hall Road	Roundabout Junction	Realigned Roundabout to link development access road to the highway network	Scheme required in Core Scenario	£ 3,680,000.00
13	A448 (The Strand and Market Street) / Stourbridge Road / Birmingham Road	Signalised Junction	Signal Optimisation Scheme	Scheme required in Core Scenario	£ 60,000.00
14	B4184 (New Road / Finstall Road)	Mini-Roundabout	Replace mini roundabout with signalised junction	Scheme required in Core Scenario	£ 330,000.00
15	B4091 (Rock Hill) / Fox Lane	Priority Junction	Site constrained by The Greyhound Pub, Select and Save Local Conveniance Store and The Cheap Car Trade Centre (Car Dealership). Vehicles are also parked close to the junction adjacent to the southbound carriageway. Replace existing junction with signalised junction to improve output of vehicles from Fox Lane onto B4091 (Rock Hill). TRO required to prevent parking adjacent to the southbound carriageway. Junction to be operated using MOVA control. Remove existing pedestrian crossing north of junction and incorporate all movement crossing facility at proposed junction.	Scheme required in Core Scenario	£ 770,000.00
16	A448 Kidderminster Road / St John Street / B4091 (Hannover Street)	Mini-Roundabout	Junction is constrained by adjacent properties. Replace existing junction with signalised junction. Additional eastbound approach lane into the junction on Kidderinster Road - this will require some civils work to reconfigure the existing kerblines and a reduction in the width of the footways. Remove existing pedestrian crossing north of junction and incorporate all movement crossing facility at proposed junction.	Scheme required in Core Scenario	£ 1,120,000.00
17	A448 (Market Street) / B4184 Market Place	Priority Junction	Junction is constrained by adjacent properties. Replace existing junction layout with a signalised junction. Re-position traffic island and retain the southbound 'Give Way' into Market Place. Remove both existing pedestrian crossings in proximity to junction and provide an all red phase and pedestrian crossing facilties at the junction. Extend northbound right turn lane to allow additional stacking capacity.	Scheme required in Core Scenario	£ 1,490,000.00
18	A38 / B4184 (New Road)	Signalised Junction	Signal Optimisation Scheme	Scheme required in Core Scenario	£ 60,000.00
19	A38 (Birmingham Road) / Birmingham Road	Signalised Junction	Signal Optimisation Scheme	Scheme required in Core Scenario	£ 60,000.00
			SUB TOTAL		**£ 25,990,000.00**

)posed Highway Schemes

Junction	Location	Existing Situation	Optimum Scheme	Required for which Scenario	Total Cost (inc OB)
1	A456 (Kidderminster Road) / A491 (Hagely Road)	Signalised Junction	Signal optimisation scheme	Scheme required in Core Scenario	£ 60,000.00
2	A456 (Kidderminster Road) / A491 (Stourbridge Road)	Roundabout Junction	Signalisation of roundabout on the A456 and A491 approaches	Scheme required in Core Scenario	£ 880,000.00
3	A456 (Worcester Road) / A450 (Worcester Road)	Signalised Junction	Signal optimisation scheme	Scheme required in Core Scenario	£ 60,000.00
3a	A456 Kidderminster Road / Development access	Priority Junction - assumed to be provided as a minimum scheme by developer	Any priority junction provided by the developer must be upgraded to a signalised junction. Note: costs allow for upgrade of priority junction to a signalised junction	Scheme required in Core Scenario	£ 330,000.00
3b	A456 (Worcester Road) / B4187 (Worcester Road)	Signalised Junction	Signal optimisation scheme	Scheme required in Core Scenario	£ 60,000.00
	Station Road	Issue with parked vehicles causing congestion - particularly in AM peak period due to school traffic	School Safety Zone Traffic Management Scheme and supporting TRO	Scheme required in Core Scenario	£ 50,000.00
			SUB TOTAL		**£ 1,440,000.00**

A491 Corridor - Proposed Highway Schemes

Junction	Location	Existing Situation	Optimum Scheme	Requirement	Total Cost (inc OB)
1	A491 (Sandy Lane) / B4551 (Money Lane)	Priority Junction	Junction safety scheme to narrow down the approach to the A491 from the B4551	Scheme required in Core Scenario	£ 370,000.00
			SUB TOTAL		**£ 370,000.00**

GV - Lorry Park

Junction	Location	Existing Situation	Optimum Scheme	Requirement	Total Cost (inc OB)
	To be confirmed	Lack of suitable overnight parking facility for HGV's	Provision of an overnight parking facility for approx 25 HGVs	Scheme required in Core Scenario	£ 1,840,000.00
			SUB TOTAL		**£ 1,840,000.00**

Redditch Local Plan

Sustainable Transport Schemes

Redditch

Location	Context	Potential Scheme	Total Cost (inc OB)
Cluster 1	Cycle Route 5 routes through Webheath providing an access route for pedestians and cyclists to Redditch town centre and the railway station via an on road cycle route	Signing strategy to link development site to appropriate local cycle routes Provision for 2 Gold Standard Bus Stops	£ 80,000.00
Cluster 2	The proposed development site west of Brockhill lies to the north west of Cycle Route 5. The development site is linked to Cycle Route 5 by residential streets, namely Brockhill Drive, Lilly Green Lane, Foxlydiate Crescent, Hawthorn Road, Rowan Road and Poplar Road	Improved access from the Foxlydiate Development site to Cycle Route 5 through the residential streets through appropriate route signage Provision for 2 Gold Standard Bus Stops	£ 80,000.00
Cluster 3	The proposed development site north of Brockhill is linked to an on road cycle link on Brockhill Lane. There a short, uncontinuous sections of cycle route between the site and Redditch town centre alongside Hewell Road. Off road cycle/pedestrian routes run east west alongside Batchley Road and Windsor Road. The cycle path adjacent to Windsor Road links to a route recommended for cyclists on Birmingham Road which provides a direct access to Redditch town centre.	Connecting the cycle route on Brockhill Lane and Hewell Road to the cycle path running adjacent to Batchley Road and Windsor Road to provide a continuous recommended route for cyclists from the development site to Redditch town centre. Include dropped kerbs, road markings, signage and a toucan crossing) Provision for 6 (50,51,52 Bus Service Routes) Gold Standard Bus Shelters	£ 230,000.00
Cluster 4	The development sites are located in proximity to Cycle Route 5 on Bromsgrove Road and the rcommended route for cyclists on Hewell Road and Clive Road which provides links to Redditch town centre	The development sites must have adequate connectivity to cycle route network through appropriate route signage Provision for 2 Silver Standard Bus Stops	£ 50,000.00
Cluster 5	The development sites are located in proximity to the rcommended route for cyclists on Hewell Road and Clive Road which provides links to Redditch town centre	No Scheme required Provision for 2 Silver Standard Bus Stops	£ 40,000.00
Cluster 6	The development cluster lies in a residential area south of the town centre, bounded by the Redditch Ringway, Bromsgrove Highway (A448) and Alvechurch Highway (A441). Routes from the site to the town centre, railway station, bus station and other cycle/pedestrian routes are provided by Plymouth Road, Beoley Road and Holloway Lane	The development sites must have adequate connectivity to cycle route network through appropriate route signage on the surrounding residential streets, namely; Mount Pleasant, Parsons Road, Union Street and Burton Lane Provide additional pedestrian crossing on Mount Pleasant in proximity to Parsons Road Provision for 2 Silver Standard Bus Stops	£ 120,000.00
Cluster 7	The development sites are located in close proximity to the cycle route which runs nort south through Redditch on Park Way, Church Hill Way, Winyates Way and Matchborough Way. The cycle route provides links to the town cente and the employment districts in the east of the town	The development sites must have adequate connectivity to cycle route network through appropriate route signage Provision for 2 Silver Standard Bus Stops	£ 50,000.00
Cluster 8	The development sites are located in the Lodge Park and Lakeside districts of Redditch. Cycle links north and south are provided by the on road cycle route on Holloway Road. A pedestrian footpath provides a link to Arrow Valley Country Park	The development sites must have adequate connectivity to cycle route network through appropriate route signage Provide pedestrain crossing on Studley Lane in proximity to Woodfield Middle School Provision for 2 Silver Standard Bus Stops	£ 120,000.00
Cluster 9	The development sites are located in the Greenlands district of Redditch. Cycle links north and south are provided by the on road cycle route on Studley Road.	The development sites must have adequate connectivity to cycle route network through appropriate route signage and provide linkages from Ipsley Church Lane to NCN5 (dropped kerbs, road markings, cycle signs) Provision for 2 Silver Standard Bus Stops	£ 60,000.00
Cluster 10	The development sites are located in the Greenlands district of Redditch. Cycle links north and south are provided by the on road cycle route on Studley Road.	The development sites must have adequate connectivity to cycle route network through appropriate route signage Provision for 2 Silver Standard Bus Stops	£ 50,000.00

Cluster 11	The proposed development sites are located in Crabbs Corss are in proximity to the off road pedestrian/cycle path which runs adacent to Windmill Drive and provides a link to Yvonne Road and Swinburne Road in Headless Cross.	The development sites must have adequate connectivity to cycle route network through appropriate route signage Improve uncontrolled pedestrian crossing facilities at Yvonne Road junction with pedestrian footpath Provision for 2 Silver Standard Bus Stops	£	60,000.00
Cluster 12	The development site is located in the village of Astwood Bank south of Redditch. The village is linked to the Redditch cycle network via Jill Lane which is a reccomended cycle link which provides access to Brickyard Lane in the south east of the town.	Provide toucan crossing over the A441 Provision for 2 Gold Standard Bus Stops	£	140,000.00
Redditch	Provision for additional dropped kerbs at various locations around the town centre and residential areas	Providing additional crossing facilities in the form of controlled / dropped kerbs will increase the attractiveness of travelling by sustainable modes on certain routes and at key junctions and in turn increase the connectivity across the town	£	110,000.00
Redditch	Poor cycle parking provision in town centre	Provide additional cycle parking infrastructure in Redditch town centre	£	20,000.00
Redditch	Need for improved cycle / pedestrain signage to the railway station	Improved signing of cycle / pedestrian network across the town to encourage trips to the rail station by sustainable mode	£	160,000.00
Redditch	Lack of information for cyclists and pedestrains around the town	Installation of information kiosks displaying cycle route maps, suggested pedestrian routes etc at key locations in redditch. Suggest: at cycle storage facility in town centre, bus station and railway station.	£	130,000.00
Redditch	A number of subways in Redditch are in poor condition and pedestrains feel intimidated when using them	Upgrade to a number of existing subways	£	-
Redditch	Lack of at-grade crossing facility for cyclists and pedestrains on the Redditch Ringway	Toucan crossing at a suitable location on the Redditch Ringway	£	80,000.00
Redditch / Alvechurch / Barnt Green / Birmingham	Redditch - Birmingham Railway Line/Service	Enhancements to the existing rail infrastructure and service		Network Rail Scheme
		SUB TOTAL	**£**	**1,580,000.00**

Redditch - Proposed Highway Schemes

Junction	Location	Existing Situation	Optimum Scheme	Requirement	Total Cost (inc OB)
2	Bromsgrove Highway / Brockhill Drive (North Roundabout)	Roundabout	Add Additional lane approach lane on Brockhill Drive	Scheme required in Core Scenario	£ 280,000.00
3	Birchfield Lane / Foxlydiate Lane	Priority Junction	TRO to protect the junction	Scheme required in Core Scenario	£ 30,000.00
4	Brockhill Drive (B4184) / Hewell Road (B4184) / Brockhill Lane	Roundabout	Additional lane on west and north approaches	Scheme required in Core Scenario	£ 600,000.00
5	Hewell Road / Windsor Road (B4184)	Roundabout	Convert to a 4 arm signal junction	Scheme required in Core Scenario	£ 1,490,000.00
6	Hewell Road / Clive Road	Mini Roundabout	No achievable scheme - Junction constrained by railway line	Scheme required in Core Scenario	£ -
7	Alvechurch Highway (A441) / Middlehouse Lane (B4184)	Roundabout	Signalise approaches from north, south and west	Scheme required in Core Scenario	£ 1,420,000.00
8	Alvechurch Highway (A441) / Redditch Ringway (B4160)	Signalised Junction	Install MOVA	Scheme required in Core Scenario	£ 60,000.00
9	Headless Cross Drive / Evesham Road	Signalised Junction	Install MOVA	Scheme required in Core Scenario	£ 60,000.00
10	Rough Hill Drive / Woodrow Drive / Greenlands Drive	Roundabout	No scheme required	Scheme required in Core Scenario	£ -
11	Rough Hill Drive / Woodrow Drive / Greenlands Drive	Roundabout	Additional approach lane on main 3 approaches (not Woodrow N)	Scheme required in Core Scenario	£ 1,280,000.00
12	Woodrow Drive / Quinneys Lane (hospital access)	Roundabout	50m additional approach lane on western arm - right turn into the hospital	Scheme required in Core Scenario	£ 280,000.00
13	Woodrow Drive / Washford Drive / Studley Road	Roundabout	40m additional approach lane on south and eastern approach arm	Scheme required in Core Scenario	£ 530,000.00
14	Washford Drive / Old Forge Drive	Roundabout	Signing and lining improvement	Scheme required in Core Scenario	£ 110,000.00
15	Icknield St Dr (B4497) / Washford Drive / Claybrook Drive	Roundabout	Signing and lining improvement	Scheme required in Core Scenario	£ 110,000.00
16		Roundabout	No scheme required	Scheme required in Core Scenario	£ -
17		Roundabout	No achievable schemes - approaches from south and east are constrained by bridge and houses	Scheme required in Core Scenario	£ -
18	Astwood Bank - Evesham Road (A441) / Feckenham Road / Sambourne Lane (B4092)	Signals	Install MOVA	Scheme required in Core Scenario	£ 60,000.00
			SUB TOTAL		**£ 20,500,000.00**

HGV - Lorry Park

Junction	Location	Existing Situation	Optimum Scheme	Requirement	Total Cost (inc OB)
	To be confirmed	Lack of suitable overnight parking facility for HGVs	Provision of an overnight parking facility for approx 25 HGVs	Scheme required in Core Scenario	£ 1,840,000.00
			SUB TOTAL		**£ 1,840,000.00**

Bromsgrove and Redditch Bus Operations - Routes and Frequencies

Note: Gold, Silver and Bronze Bus Routes/Roadside Infrastructure referenced as per Worcestershire County Council Passenger Transport Infrastructure Best Practice Report (November 2007)

Location	Potential Scheme	Costs
Bromsgrove Town Centre Services to link developments - 'Clover-leaf'	Silver Standard Bus Route, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 800,000.00
Inter-Urban - Service 144 - Birmingham to Worcester (via Bromsgrove and Catshill)	Gold Standard Bus Routes, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 2,200,000.00
Inter-Urban - Service X3 - Kidderminster to Redditch (via Bromsgrove)	Gold Standard Bus Routes, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 1,320,000.00
Inter-Urban - Service 143 - Birmingham to Redditch (via Bromsgrove and Catshill)	Gold Standard Bus Routes, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 1,680,000.00
Inter-Urban - Service 145 - Bromsgrove to Redditch (via Longbridge)	Gold Standard Bus Routes, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 1,200,000.00
Redditch Service 50 (Brockhill Development)	Silver Standard Bus Route, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 400,000.00
Redditch Service 51 (Brockhill Development)	Silver Standard Bus Route, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 400,000.00
Redditch Service 52 (Brockhill Development)	Silver Standard Bus Route, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 400,000.00
Redditch Service 61 (Developments east of the town centre)	Silver Standard Bus Route, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 667,000.00
Redditch - Webheath Service	Silver Standard Bus Route, Service Frequency; Mon-Sat (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900-2300), Sundays (0800-2000)	£ 134,000.00
	SUB TOTAL	**£ 9,201,000.00**

Location	Context	Consequence	Potential Scheme	Costs	With Contingencies	Total Cost (inc OB)
Cluster 13	The delveopment site is located in Green Lane in close proximity to Alexandra Hospital	Not providing links to existing sustainable transport networks from proposed development sites can prevent trips due to a lack of connectivitiy	Development site has good access to the NCN Route 5 and Green Lane Cycle Route. Development site has good access to the Public Transport network via the bus services at Alexandra Hospital (services; 55/55a, 56/56a, 58a, 143, 150, 247, 248, 350) No additional sustainable transport infrastructure schemes proposed			
Cluster 14	The development is located in the Washford and Park Farm areas of Redditch	Not providing links to existing sustainable transport networks from proposed development sites can prevent trips due to a lack of connectivitiy	Development site has good access to NCN Route 5 and the on road cycle route on Studley Road. Development site has good access to the Public Transport network on Studley Road (services 57, 58/58a, 150), Howard Road (service 350) and Icknield Street Drive (service 60) No additional sustainable transport infrastructure schemes proposed			
Cluster 15	The development is located in the Ipsley and Matchborough areas of Redditch	Not providing links to existing sustainable transport networks from proposed development sites can prevent trips due to a lack of connectivitiy	Development site has good access to Matchborough Way cyclepath via existing alleyways / urban footpaths. NCN Route 5 is accessible through Arrow Valley Country Park The development has good access to the Public Transport network on Matchborough Way (services 57, 58/58a, 59, 150, 350), Millhill Road (service 61) and Icknield Street Drive (service 60) No additional sustainable transport infrastructure schemes proposed			
Cluster 16	The development site is located in the east of Redditch. The site is located north and south of Warwick Highway. South of Warwick Highway the development site is bounded by Claybrook Drive and Birmingham Road (A465). North of Warwick Highway the development site is bounded by Far Moor Lane and Birminham Road (A465).	Not providing links to existing sustainable transport networks from proposed development sites can prevent trips due to a lack of connectivitiy	Provision for 4 Gold Standard Bus Stops at Winyates Green (Ardens Close) and Winyates Green (Cheswick Close) (2 each site) Provision for 2 Gold Standard Bus Stops at a new stop on Claybrook Drive (serving bus route 61) in close proximity to junction with Winward Road Upgrade quiet walking route linking Claybrook Drive and Matchborough Way. Provision for 2 Gold Standard Bus stops at Henning Road, Washford (services 57, 58, 58a, 59, 150, 350)	£ 175,000.00	£ 253,750.00	£ 370,000.00