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	£ 100,000.00
		Provision for 2 Gold Standard Bus Stops	
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	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	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		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		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 Cos	st (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 Rai 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

			Close off access to existing			
9	M42 Junction 1 / A38	Signalised Roundabout Junction	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	Scheme required in Core Scenario		
10	M5 Junction 4 / A38 (Birmingham Road)	Signalised Roundabout Junction	supporting TRO Additional approach lane on the A38 Halesowen Road approach to the junction. Will require extensive civils work	Scheme required in Core Scenario	£	1,140,000.00
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	Scheme required in Core Scenario	£	3,680,000.0
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
			Junction is constrained by adjacent properties. Replace existing junction with			
16	A448 Kidderminster Road / St John Street / B4091 (Hannover Street)	Mini-Roundabout	signalised junction. Additional eastbound approach lane into the junction on Kidderinster Road - this	Scheme required in Core Scenario	£	1,120,000.00
	A448 Kidderminster Road / St John Street / B4091 (Hannover Street)	Mini-Roundabout Priority Junction	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	Scheme required in Core Scenario	£	1,120,000.00
			 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. 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 	Scheme required in Core Scenario	£ £ £ £	

posed Highway Schemes

Junction	Location	Existing Situation	Optimum Scheme	Required for which Scenario	Tota	I 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

<u>GV - Lorry Park</u>

Junction	Location	Existing Situation	Optimum Scheme	Requirement	Total Cost (inc OB)
		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	Signing strategy to link development site to appropriate local cycle routes		
		Provision for 2 Gold Standard Bus Stops	£	80,000.0
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,	through the residential streets through appropriate route signage		
	Rowan Road and Poplar Road	Provision for 2 Gold Standard Bus Stops	£	80,000.0
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.	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		
	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	toucan crossing)		
	to Redditch town centre.		£	230,000.0
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	The development sites must have adequate connectivity to cycle route network through appropriate route signage		
	Clive Road which provides links to Redditch town centre	Provision for 2 Silver Standard Bus Stops	£	50,000.0
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	No Scheme required		,
	centre	Provision for 2 Silver Standard Bus Stops	£	40,000.0
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	£	120,000.0
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	The development sites must have adequate connectivity to cycle route network through appropriate route signage		
	and the employment districts in the east of the town	Provision for 2 Silver Standard Bus Stops	£	50,000.0
		The development sites must have adequate connectivity to cycle route network		
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	through appropriate route signage Provide pedestrain crossing on Studley Lane in proximity to Woodfield Middle School		
		Provision for 2 Silver Standard Bus Stops	£	120,000.0
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	£	60,000.0
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	The development sites must have adequate connectivity to cycle route network through appropriate route signage	÷	
	Boad	Provision for 2 Silver Standard Bus Stops	£	50,000.0
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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 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.
Provision for additional dropped kerbs at various locations around the town
Poor cycle parking provision in town centre
Need for improved cycle / pedestrain signage to the railway station
Lack of information for cyclists and pedestrains around the town
A number of subways in Redditch are in poor condition and pedestrains feel intimidated when using them
Lack of at-grade crossing facility for cyclists and pedestrains on the Redditch Ringway
Redditch - Birmingham Railway Line/Service
<u> Redditch - Proposed Highway Schemes</u>
Location
Bromsgrove Highway / Brockhill Drive (North Roundabout)
Birchfield Lane / Foxlydiate Lane

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 recommended cycle link which provides access to Brickyard Lane in the south east of the town. Ich Provision for additional dropped kerbs at various locations around the town centre and residential areas. Ich Provision for additional dropped kerbs at various locations around the town centre and residential areas. Ich Provision for additional areas Ich Need for improved cycle / pedestrain signage to the railway station centre and residential areas Ich Need for improved cycle / pedestrain signage to the railway station ich Ich Lack of information for cyclists and pedestrains on the Redditch ich Ich Icacy of argrade crossing facility for cyclists and pedestrains on the Redditch ich Ich Redditch - Birmingham Railway Line/Service Ich Redditch - Birmidate Lane Ich Redditch - Birme/Birmey Ich <th>Provision for 2 Silver Standard Bus Stops Provide toucan crossing over the A441 Provide toucan crossing over the A441 Providing additional crossing facilities in the form of controlled / dropped kerbs will increase the attractiveness of travelling by sustainable modes on certain coutes and at key junctions and in turn increase the connectivity across the town Provide additional cycle parking infrastructure in Redditch town centre Infrastructure in Redditch town centre town Provide additional cycle pedestrian network across the town to encourage trips to the rail station by sustainable modes. A cycle storage facility in town centre, bus station and railway station. Upgrade to a number of existing subways Toucan crossing at a suitable location on the Redditch Ringway Toucan crossing at a suitable location on the Redditch Ringway Enhancements to the existing subways Toucan crossing at a suitable location on the Redditch Ringway Condabout Roundabout Roundabout Roundabout Roundabout</th> <th>£ 60,000.00 £ 140,000.00 £ 140,000.00 £ 110,000.00 £ 20,000.00 £ 130,000.00 £ 140,000.00 £ 1,580,000.00 £ 1,580,000 £ 1,580,000 £ 1,580,000 £ 1,580,000 £ 1,580,000</th> <th>Requirement Scheme required in Core Scenario Scheme required in Core Scenario</th> <th>E Z80,000.00 E 30,000.00 E 500,000.00 E 500,000.00 E 500,000.00 E 500,000.00 E 500,000.00 E 500,000.00 E 500,000.00</th>	Provision for 2 Silver Standard Bus Stops Provide toucan crossing over the A441 Provide toucan crossing over the A441 Providing additional crossing facilities in the form of controlled / dropped kerbs will increase the attractiveness of travelling by sustainable modes on certain coutes and at key junctions and in turn increase the connectivity across the town Provide additional cycle parking infrastructure in Redditch town centre Infrastructure in Redditch town centre town Provide additional cycle pedestrian network across the town to encourage trips to the rail station by sustainable modes. A cycle storage facility in town centre, bus station and railway station. Upgrade to a number of existing subways Toucan crossing at a suitable location on the Redditch Ringway Toucan crossing at a suitable location on the Redditch Ringway Enhancements to the existing subways Toucan crossing at a suitable location on the Redditch Ringway Condabout Roundabout Roundabout Roundabout Roundabout	£ 60,000.00 £ 140,000.00 £ 140,000.00 £ 110,000.00 £ 20,000.00 £ 130,000.00 £ 140,000.00 £ 1,580,000.00 £ 1,580,000 £ 1,580,000 £ 1,580,000 £ 1,580,000 £ 1,580,000	Requirement Scheme required in Core Scenario Scheme required in Core Scenario	E Z80,000.00 E 30,000.00 E 500,000.00 E 500,000.00 E 500,000.00 E 500,000.00 E 500,000.00 E 500,000.00 E 500,000.00
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Line/Service Location Drive (North Roundabout) Drive (North Roundabout) Soad (B4184) / Brockhill Lane Road (B4184) dilehouse Lane (B4184) dilehouse Lane (B4184) dilehouse Lane (B4160) Road diltch Ringway (B4160) Road diltch Ri	o the existing rail infrastructure and service SUB TOTAL Existing Situation	Retwork Rail Scheme E 1,580,000.00 E 1,580,000.00 Add Additional lane approach lane on Brockhill Drive TRO to protect the junction Additional lane on west and north approaches		Total Cost (in
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InctionLocation2Bromsgrove Highway / Brockhill Drive (North Roundabout)3Birchfield Lane / Foxlydiate Lane4Brockhill Drive (B4184) / Hewell Road (B4184) / Brockhill Lane5Hewell Road / Windsor Road (B4184)6Hewell Road / Windsor Road (B4184)7Alvechurch Highway (A411) / Middlehouse Lane (B4184)8Alvechurch Highway (A441) / Redditch Ringway (B4160)9Headless Cross Drive / Evesham Road10Rough Hill Drive / Woodrow Drive / Greenlands Drive12Woodrow Drive / Quinneys Lane (hospital access)	Existing Situation	Optimum Scheme Add Additional lane approach lane on Brockhill Drive TRO to protect the junction Additional lane on west and north approaches		Total Cost (in
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Alvechurch Highway (A441) / Middlehouse Lane (B4184) Alvechurch Highway (A441) / Redditch Ringway (B4160) Headless Cross Drive / Evesham Road Rough Hill Drive / Woodrow Drive / Greenlands Drive Rough Hill Drive / Woodrow Drive / Greenlands Drive Woodrow Drive / Quinneys Lane (hospital access)	Mini Roundabout	No achievable scheme - Junction constrained by railway line		۲ ۲
Alvechurch Highway (A441) / Redditch Ringway (B4160) Headless Cross Drive / Evesham Road Rough Hill Drive / Woodrow Drive / Greenlands Drive Rough Hill Drive / Woodrow Drive / Greenlands Drive Woodrow Drive / Quinneys Lane (hospital access)	Roundabout	Signalise approaches from north,	Scheme required in Core Scenario	
Headless Cross Drive / Evesham Road Rough Hill Drive / Woodrow Drive / Greenlands Drive Rough Hill Drive / Woodrow Drive / Greenlands Drive Woodrow Drive / Quinneys Lane (hospital access)		Install MOVA	ore	E 60,000.00
Rough Hill Drive / Woodrow Drive / Greenlands Drive Woodrow Drive / Quinneys Lane (hospital access)	Signalised Junction	Install MOVA	Scheme required in Core Scenario	E 60,000.0
		No scneme required Additional annroach lane on main 3	ore	۲ ۲
	Roundabout		Scheme required in Core Scenario	£ 1,280,000.00
	Roundabout	50m additional approach lane on western arm - right turn into the hospital	Scheme required in Core Scenario	E 280,000
13 Woodrow Drive / Washford Drive / Studley Road	Roundabout	40m additional approach lane on south and eastern approach arm	Scheme required in Core Scenario	
Washford Drive / Old Forge Drive		Signing and lining improvement	Scheme required in Core Scenario	£ 110,000.00
	Roundabout	Signing and lining improvement	Scheme required in Core Scenario	
		No scheme required	Scheme required in Core Scenario	£
the second se		No achievable schemes - approaches from south and east are constrained by bridge and houses	s Scheme required in Core Scenario	۔ ب
18 Astwood Bank - Evesham Road (A441) / Feckenham Road / Sambourne Lane (B4092)	Signals	Install MOVA	Scheme required in Core Scenario	£ 60,000
		SUB TOTAL		E 20,500,000
<u>HGV - Lorry Park</u>				
Junction Location		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

Location	Potential Scheme	Costs
Bromagrove Town Centre Services to link developments - 'Clover-leaf	Silver Standard Bus Route, Service Frequency, Mon Set (15 mins), Evenings and Sundays; min half hourly Periods of Operation; Mon-Set (0600-1900), Evenings (1900- 2300), Sundays (0800-2000)	00 000 008
Inter-Urban - Service 144 - Birmingham to Worcester (via Bromagrove and Catshill)	Oold 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 Reddtch (via Bromsgrove)	Gold Standard Bus Routes, Service Frequency, Mon-Sat (15 mins), Evenings and Sundays; min halt hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900- 2300), Sundave (0800-2000)	1.320.000.00
Inter-Urban - Service 143 - Birmingham to Redditch (via Bromagrove and Catshill)	(15 mins), Evenings and at (0600-1900), Evenings (1900-	1,680,000.00
Inter-Urban - Service 145 - Bromagrove to Redditch (via Longtridge)	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 (Brockhilt Developm ent)	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 Developm ent)	Silver Standard Bus Route, Service Frequency, Mon.Sat (15 mins), Evenings and Sundays; min halt hourly Periods of Operation; Mon-Sat (0600-1900), Evenings (1900- 2300), Sundays (0900-2000);	400.000.00
Redditch Service 52 (Brackhill Developm ent)	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 Standerd 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))	00000
Redditch - Webheath Service	Silver Standerd 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