Public Document Pack

Individual Decision

The attached report will be taken as an Individual Portfolio Member Decision on:

Monday, 16 December, 2013

Ref:	Title	Portfolio Member	Page No.
ID2743	A4 Calcot Widening Improvements	Councillor Pamela Bale	1 - 40





Agenda Item 1.

Individual Executive Member Decision

Title of Report: A4 Calcot Widening Improvements

Report to be considered

by:

Individual Executive Member Decision

Date on which Decision

is to be taken:

16 December 2013

Forward Plan Ref: ID2743

Purpose of Report: To report the feedback from the consultation. To gain

approval to proceed to detail design and construction, and agree any alterations to the scheme design as a

result of the consultation responses.

Recommended Action: That the scheme detailed in Appendix 2 proceeds to

detail design and construction subject to further consultation and public meeting with residents to

review the scheme detail.

Reason for decision to be

taken:

To proceed with the delivery of this key project.

Other options considered: As detailed in the body of the report.

Key background Kennet North/South Study 2008

documentation: Accon A4 Calcot Noise Regulations Assessment 2013.

Portfolio Member Details			
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Implications

Policy:	This project is in lin flow and reducing of	e with the Council's policy of im congestion.	proving	traffic
Financial: This project has been subject to a successful bid to the DfT for funding. The total scheme cost is £2.9m. The DfT grant is £2.9m the remaining £0.9m comprises of LTP grant funding, S106 contributions and and contribution from IKEA as detailed in the body of the report.			£2m S	
Personnel:		e delivered with existing resourd engaged to deliver specialist electricals cheme budget.		which
Legal/Procurement:	European Union ar	advertised on the Official Journal of subject to a competitive tende gy has been approved by the Co d.	er. The	
Property:	None			
Risk Management:	•	er has been developed for this play the Project Board.	project a	nd is
Is this item relevant	to equality?	Please tick relevant boxes	Yes	No
Does the policy affect and:	service users, emplo	oyees or the wider community		
 Is it likely to affect p differently? 	people with particula	r protected characteristics		
• Is it a major policy, delivered?	significantly affectin	g how functions are		
operate in terms of	equality?	t on how other organisations		
. ,		engagement has identified as ir protected characteristics?		
_ · · ·	ate to an area with k	•		\boxtimes
. ,		s are ticked, the item is relevant	to equa	
Relevant to equality -	Complete an EIA av	ailable at <u>www.westberks.gov.u</u>	k/eia	
Not relevant to equalit	у			
Consultation Respons	ses			
Members:				
Leader of Council: Councillor Gordon Lundie – to date no response has bee received, however any comments will be verbally reported the Individual Decision meeting.				
Overview & Scrutiny Management Commission Chairman: Councillor Brian Bedwell: 'As Chairman of the OSMC I do not object to the scheme and it should improve traffic flow along the A4, which is after all the busiest road in the District.'				

Ward Members:	Councillor Peter Argyle supports the recommendation.				
	Counci	llor Manohar Gopal supports t	he recommendation	n.	
	Councillor Brian Bedwell: 'As Ward Member I believe that what is proposed should make a big difference and improve the traffic flow along the A4 particularly during the morning rush hour, my only concern is that there could be a problem with drivers coming out of the petrol station, hotel and Sandown Avenue and wanting to turn right, maybe keep clear signs on the road could help.'				
Opposition Councillor Keith Woodhams had no comments Spokesperson:		comments to the re	port		
•		ailed in Appendix 3.			
Officers Consulted:	Mark E	dwards, Jenny Graham, Mark	Cole.		
Trade Union:					
	1:0				
Is this item subject to cal	I-in?	Yes: 🔀	No:		
If not subject to call-in plea	se put a	cross in the appropriate box:			
The item is due to be referi	red to Co	ouncil for final approval			
Delays in implementation o	ould hav	ve serious financial implication	ns for the Council		
Delays in implementation o	ould cor	npromise the Council's position	on		
Considered or reviewed by associated Task Groups wi		w and Scrutiny Management	Commission or		
Item is Urgent Key Decision	•	ocaling six months			
Report is to note only					

Supporting Information

1. Background

- 1.1 The A4 at Calcot between Langley Hill and Royal Avenue is a single lane road which provides a strategic link between west Reading and the M4 junction 12. The road carries approximately 29,000 vehicles per day and is one of the busiest non-trunk roads in the District. To the south of the A4 are residential properties, none of which are accessed directly from the A4. To the north is a mixture of residential properties and businesses. Cranbourne Avenue accesses directly onto the A4 from the north along with a petrol station, Calcot Priory (retirement apartments) and the Calcot Hotel.
- 1.2 Highway improvements on the A4 between Langley Hill and Royal Avenue have long been an aspiration of the Local Highway Authority, with proposed widening schemes and protected lines dating back to the mid 1980's. More recently the Kennet North/South Study completed in 2008 identified improvements to Langley Hill and widening the A4 as the most cost effective solution to improving traffic flow between Tilehurst, Calcot and west Reading and M4 junction 12. The Langley Hill improvements recommended as part of the report were completed in 2011.
- 1.3 In February 2013 the Department for Transport (DfT) announced the creation of a Pinch Point fund worth £170 million to remove bottlenecks on the local highway network. This fund is specifically aimed at schemes that can be delivered quickly with immediate impact.
- 1.4 In response to the DfT's invitation to bid for funding West Berkshire Council submitted a bid to widen the A4 between Langley Hill and Royal Avenue. The project involves widening the A4 to the south to allow the construction of an additional westbound traffic lane (towards the M4) and lane improvements eastbound. The eastbound improvements include extending the merge lane from Royal Avenue by 200 metres and lengthening the left turn slip lane on the approach to Langley Hill. Appendix 1 details the existing layout and Appendix 2 details the proposed scheme. The scheme involves widening into land under the ownership of the Highway Authority.
- 1.5 The pinch point fund attracted 180 bids nationwide which totalled approximately £400m. All the schemes were assessed on value for money, project delivery and risk management. The DfT's national guidance for the modelling and appraising transport improvements was used to assess the value for money (VfM) delivered by the proposal. The scheme has been extensively modelled as part of the Kennet North/South Study, which was updated for this bid and passed to the DfT to use as part of their VfM assessment. In May 2013 it was announced that the A4 Calcot widening bid had been successful in attracting £2m of pinch point funding due to the excellent value for money that it would deliver.
- 1.6 If approved to proceed, the scheme is currently programmed to commence on site in July 2014 and will take approximately 9 months to complete.

2. IKEA

2.1 A planning application for a new IKEA store on Pincents Lane adjacent to M4 Junction 12 was approved in 2012. The IKEA planning application was approved

- with a transportation package of some £5 million that include highway improvements being implemented prior to the store opening. This involves improvements to the M4 Junction 12 and to A4 / Pincents lane / Dorking Way Junctions. Most of the traffic to and from the proposed store is projected to be via the M4, so therefore relatively minor improvements are proposed to the A4 between Langley Hill and Royal Avenue.
- 2.2 The DfT's pinch point funding contributes a maximum of 70% towards the overall scheme cost, with the Council making up the shortfall from other sources. As part of the application process it was agreed with IKEA that rather than construct their improvements between Langley Hill and Royal Avenue, the works would be costed and IKEA would contribute this amount towards the Council's larger scheme. This proportion of the IKEA contribution will therefore form part of the Council's 30% funding towards the scheme and Council engineers are currently in discussion with IKEA regarding the valuation of their contribution.
- 2.3 The current timescale for the IKEA improvements is unknown however it is anticipated that their Highway Improvement programme will commence in 2015 following the programmed completion of the Council's A4 improvements.

3. Consultation

- 3.1 The consultation period commenced on 17th September and concluded on 1st November 2013. Letters were sent to approximately 4000 properties in Tilehurst/Calcot area inviting residents and businesses to visit a drop in session which was held at the Beansheaf Centre on Wednesday 2nd October. Plans of the scheme were on display at the drop in session and scheme drawings were also available on the Council's website. Drawings were also available to view at West Berkshire Council's Calcot Office. Council Officers also attended meetings of Tilehurst and Holybrook Parish Councils and a meeting with the residents at Calcot Priory.
- 3.2 84 residents visited the drop in session and a total of 116 responses were received to the consultation. Following requests for further information a public meeting was arranged on Friday 25th October at the Calcot Centre hosted by Alok Sharma MP and attended by Council Officers and the Highways Portfolio Holder. This was attended by approximately 60 residents.

4. Consultation Responses

- 4.1 A summary of the comments received along with an Officers response can be seen in Appendix 3.
- 4.2 Responses to the consultation were mixed and the drop in session and public meeting saw a high proportion of local residents with properties directly adjacent to the proposed improvements. Clearly many local residents who live immediately to the south of the A4 are concerned about moving the road closer to their properties and the impact of increased noise and associated effect on the value of their property. They were also concerned about the removal of trees/bushes to the rear of their properties leaving their gardens exposed introducing potential security issues.

- 4.3 As part of the design process acoustic experts Accon have been employed to model the impact of the proposed scheme. As part of their modelling they anticipated that a number of properties would experience an increase in noise above the threshold that would mean they would be entitled to a sound insulation scheme under the Noise insulation Regulations (1975). In light of this and the comments from residents about security an Acoustic barrier has been introduced into the design. This will be a 2 metre high close boarded fence which will, following completion of the scheme, reduce the noise from the A4 to a level well below that currently experienced.
- 4.4 Responses have also been received from a number of residents of Charrington Road/Dorking Way and Royal Avenue concerned about the existing rat running problem and that this will be exacerbated during the construction of the scheme. When constructed, every effort will be made to maintain two way flow on the A4 by using the current central hatch area as a running lane. This should limit the number of motorists seeking alternative adjacent routes. One consultee has suggested that temporary weight restrictions be placed on Charrington Road/Dorking Way and Royal Avenue to prevent large vehicles from using these routes to avoid the A4. This will be taken forward and implemented during the construction phase.
- 4.5 Origin and destination traffic surveys have also been commissioned in Royal Avenue and Charrington Road to establish the extent of the existing rat-running problem. The surveys took place on 19th and 22nd November and the results will be shared with the Local Ward Members before discussing possible traffic management options with residents.
- 4.6 In addition to the concerns expressed by local residents there were many residents and road users that expressed their support for the scheme. Some even thought the scheme was not going far enough to address the congestion issues in this part of the network. The main query centred on 'why is the road not being dualled in both directions?' Unfortunately there is not enough available highway land to provide two lanes in either direction without completely removing the central hatching and right turn lanes for Cranbourne Avenue and the other business. Due to road safety concerns the removal of the right turn lane would require a complete ban on right turns along this part of the A4 which would have a significant impact on businesses.
- 4.7 Consideration was also given to dualling the eastbound lane rather than the westbound lane. However modelling and observations on site demonstrate that the morning peak westbound congestion tends to be considerably worse and less predictable than the afternoon eastbound congestion. From surveys undertaken in September 2013, the average 24 hour weekday flow eastbound is 12,500 vehicles, whereas westbound 16,700 were counted. In conjunction with the westbound dualling, the eastbound lane improvements will also make significant journey time improvements.
- 4.8 Many other responses to the consultation were received and many concerns will have to be addressed during the course of this major project. A summary of all the consultation responses can be seen in Appendix 3 and is cross referenced to a selection of Frequently Asked Questions (Appendix 4) which have also been posted on the Council's web-site.

5. Equalities Impact Assessment Outcomes

5.1 A description of the consultation carried out can be seen in section 3.1 and 3.2. Discussion has taken place with elderly residents of Calcot Priory and their request for a bus stop on the A4 will be considered as part of the design. Detailed discussion will also take place with Calcot Schools to look at alternative safe routes to school during the construction.

6. Conclusion

- 6.1 Widening the A4 is a major project and schemes of this nature will always be controversial with those that feel they are injuriously affected both during the construction and once the scheme is completed. This is reflected by the consultation responses which can be seen to be both in support and against the proposal.
- 6.2 The main objections posted during the consultation are by those residents that are directly affected by the works, many of which can be addressed and mitigated against during the design process. A further public meeting will take place with residents to consider the detail design and appearance of the works in the immediate vicinity of their property and they will have a further opportunity to comment. This will also give other residents an opportunity to view the detail of the scheme and discuss measures to minimise the impact during the construction.
- 6.3 The scheme itself will provide journey time improvements and congestion reduction for approximately 29,000 motorists that use this part of the A4 on a daily basis. In conjunction with the proposed IKEA improvements to A4/Pincents Lane and at M4 Junction 12 this part of the network will see significant improvement over the coming years. When considered along with the Highways Agency's proposal to introduce Smart Motorways (managed motorways and hard shoulder running) between junctions 3 and 12 to improve traffic flow on the M4 from 2015, this is a unique opportunity to provide significant benefits for existing and future demand in this part of the District.

7. Recommendation

7.1 That the scheme detailed in Appendix 2 proceeds to detail design and construction subject to further consultation and public meeting with residents to review the scheme detail.

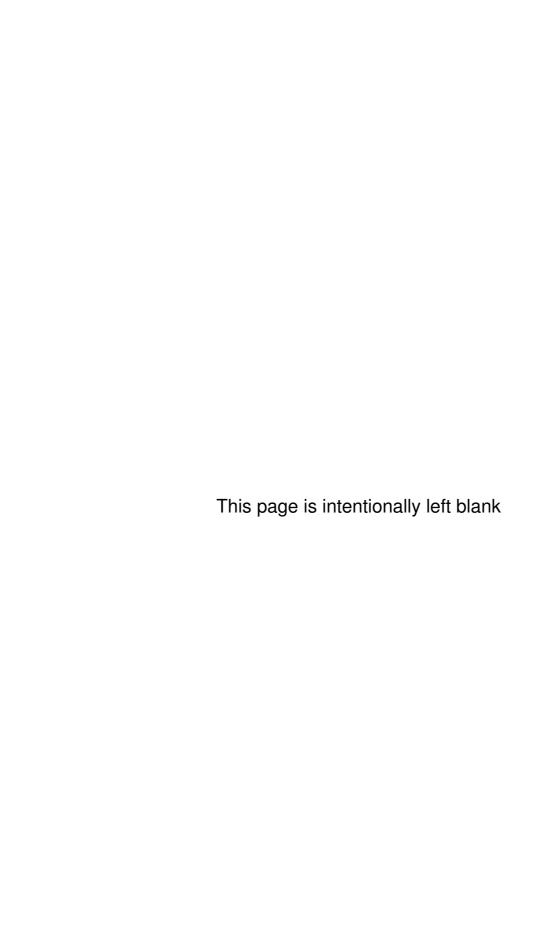
Appendices

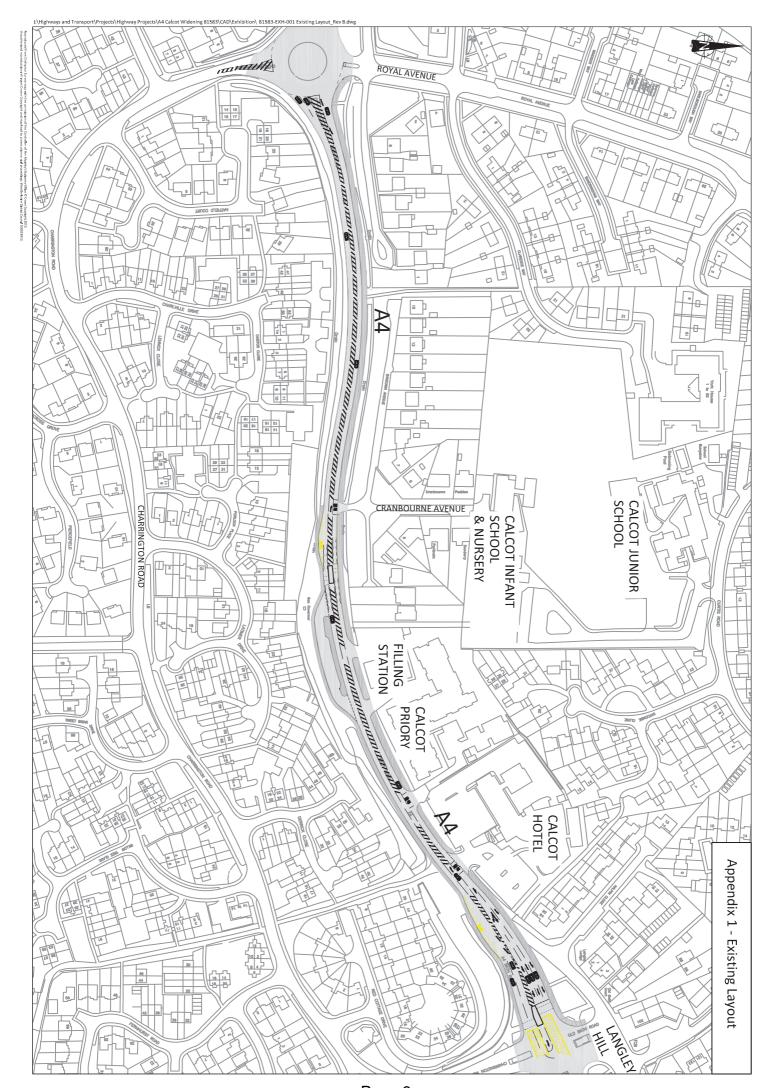
Appendix 1 – Existing layout

Appendix 2 – Proposed Layout

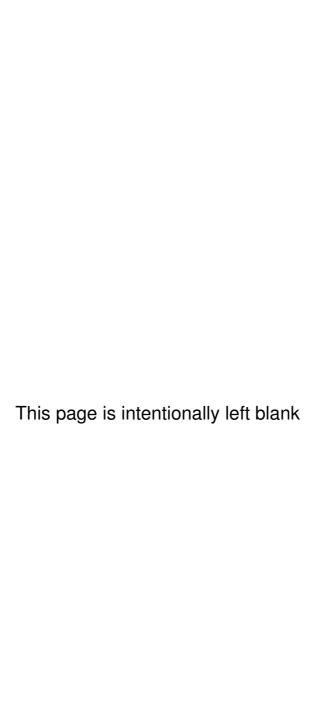
Appendix 3 – Summary of consultation responses

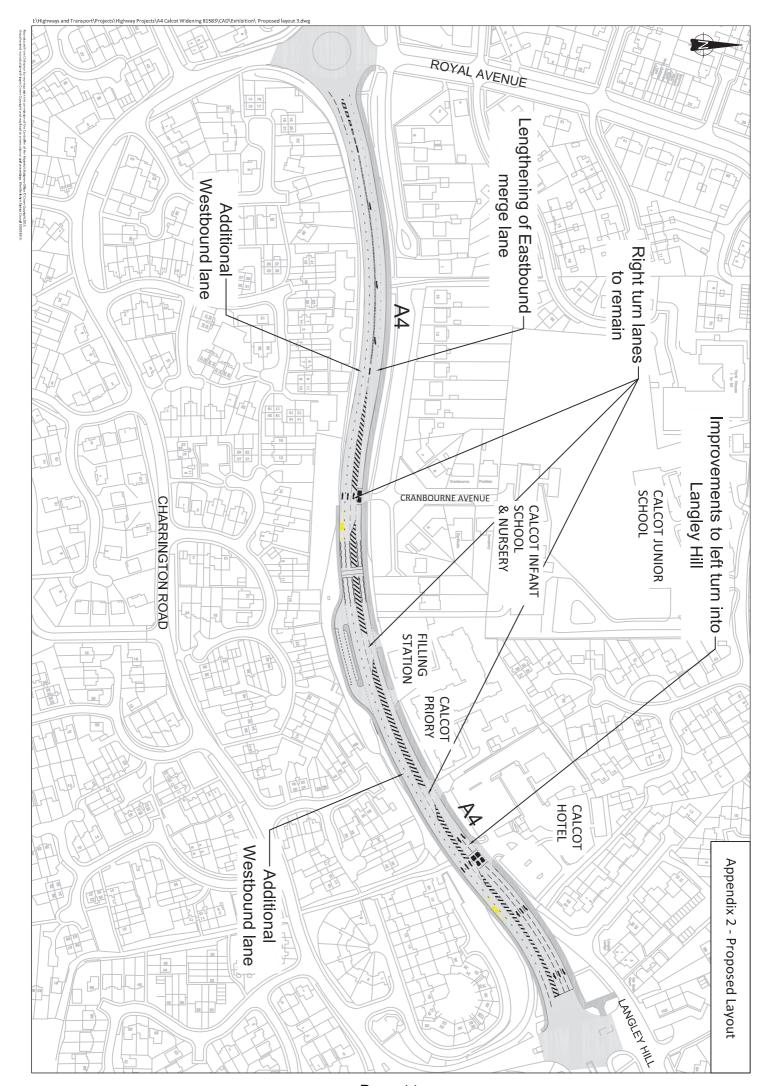
Appendix 4 – Frequently Asked Questions



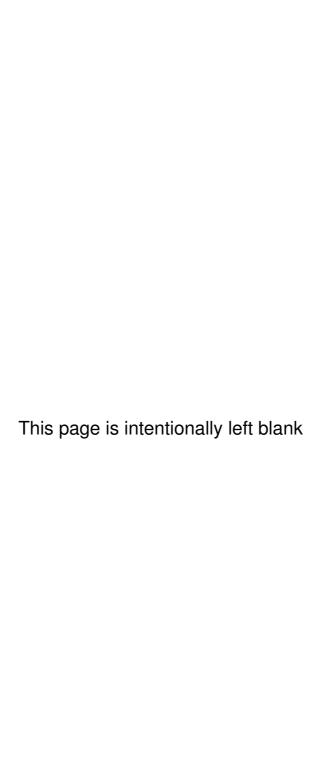


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	Reply from	Comments made	Officer response
1	Local Resident	Provide new bus stop at Calcot Priory for elderly people.	Please read Appendix 4 FAQ Q15
2	Local Resident	a) Worried about works duration.b) Safety concerns: rat running, turns from side accesses.c) Suggested two lanes in each direction.	 a) The Contractor will be contractually encouraged to complete the works as quickly as possible whilst minimising disruption. b) Please read para 4.4 of the main report and Appendix 4 FAQ Q9. c) Please read Appendix 4 FAQ Q3
3	Not used		
4	Local Resident	 a) Plans won't solve congestion. b) Congestion caused by pedestrian crossing lights during school time. c) Possible answer change timing on pedestrian crossing or footbridge. 	 a) Extensive modelling has shown the improvements will improve traffic flow. The scheme was awarded funding in front of many other schemes nationally due the value for money it achieves in delivering traffic flow improvements. b) Please see Appendix 4 FAQ Q12. c) Please see Appendix 4 FAQ Q12.
5	Road User	a) Make it two lanes in each direction b) Concerned about rat running	a) Please read Appendix 4 FAQ Q3b) This is covered in paragraph 4.4 of the main report.
6	Not used		
7	Local Resident	Difficulty exiting from Royal Avenue to Langley Hill junction with A4 what are the plans for them?	This issue is not directly covered within the scope of this project. However when considering traffic management options for Royal Avenue as detailed in para 4.4 of the report, consideration can be given to this problem.

	Reply from	Comments made	Officer response
8	Road User	a) Cycle lanes not used because of bad design.	a) Please see Appendix 4 FAQ Q5
	Road Osei	b) What will happen when IKEA arrives?	b) Please see section 2 of the main report.
9	Local Resident	Concern about access turns for Local Residents of Sandown and Cranbourne Ave.	Please read FAQ Appendix 4 Q9
		a) The widening east bound should be extended further.	a) Please see para's 4.6 and 4.7 of the main report.
10	Road User	b) Worried about more traffic using Royal Ave/ Curtis Rd as rat run.	b) Please see para 4.4 of the main report.
		c) New lane exit for Ikea should be considered prior to Savacentre roundabout	c) Please see section 2 of the main report.
11	Road User	Will right turn lanes be restricted?	No.
12	Local Resident	The traffic on that section of the A4 is due to pedestrian crossing and phasing of Langley Hill traffic lights. Same results could be achieved without the cost.	Please see Appendix 4 FAQ Q3. Dualling westbound will significantly improve traffic flow through the crossing and will prevent vehicles exiting the Langley Hill westbound from blocking the progress of motorists travelling along the A4.
13	Local Resident	Bring back roundabout	Please read FAQ Appendix 4 Q13
14	Road User	Congestion comes from pedestrian crossing - have we thought of a bridge?	Please read FAQ Appendix 4 Q12

	Reply from	Comments made	Officer response
15	Road User	a) Loss of treesb) No need for dual lane - out of rush hour.c) What is the disruption going to be?d) What is the cost?e) Is Ikea contributing?	 a) Please read FAQ Appendix 4 Q6 b) As with most two lane roads, the scheme will mainly cater for peak hour traffic. However considering the proposed IKEA development the additional capacity will be of use at other times of the day when customers will be accessing the store. c) Please see para 4.4 of the main report. d) Please read FAQ Appendix 4 Q2 e) Please read Section 2 of the main report.
16	Road User	Improve junction with M4 - similar dedicated turn onto motorway example A34/M40	Improvements are planned to M4 J12 as part of the IKEA development. Please see section 2 of the main report.
17	Road User	a) No on road cycle facilities b) Widening will make it worse for on road cyclists.	a) & b) Please read FAQ Appendix 4Q5 - What improvements are being made for cyclists?
18	Local Resident	 a) The widening should be for eastbound not westbound b) Concerned about rat running c) Maybe reversible middle at set times lane to ease congestion should be considered. 	 a) Please read FAQ Appendix 4 Q3 - Why is the design not two lanes in both direction? And Q10 Why did you choose to only widen the westbound lane? b) Please see para 4.4 of the main report. c) This type of traffic management measure is not conducive to roads with accessed as motorists entering the road would be unclear as to the direction of traffic. This would effectively require removal of the central hatch and right turn lanes which would have a significant detrimental impact on businesses.

	Reply from	Comments made	Officer response
19		a) Change design to 2 lanes in each direction.	a) Please read FAQ Appendix 4 Q3.
	Road User	b) Use lay-by space to enable 5 lanes at garage one for the turning lane + Pedestrian crossing	b) The lay-by is an important amenity used for access to the schools and we would not wish to see it removed.
20	Local Resident	Can someone visit Calcot Priory to talk to Local Residents?	Council Officers hosted a Q and A session at Calcot Priory on the 3/10/13
21	Local Resident	Hopeful the new widening will ease rat running on Charrington Road	Noted
22	Calcot Hotel	Concerned about vehicles turning in and out of his hotel in both directions over widened A4	Consideration for temporary signage for motorists accessing and exiting from the Hotel. Further discussion to take place with the hotel.
23	Road User	Concerned about rat running on Charrington Rd	Please see para 4.4 of the main report.

	Reply from	Comments made	Officer response					
		a) Can we have a footbridge over the road?	a) Please read FAQ Appendix 4 Q12					
		b) Can we have 2 lanes in both directions?	b) Please read FAQ Appendix 4 Q3					
		c) Can we have a 3 lane contra flow system where the 2 lanes in peak 1 lane in off peak.	c) This type of traffic management measure is not conducive to roads with accessed as motorists entering the road would be unclear as to the direction of traffic. This would effectively require removal of the					
24	Local Resident	d) What is being done to protect trees in the area?	central hatch and right turn lanes which would have a significant detrimental impact on businesses.					
	rtooldon	e) Do you intend to widen the A4 into Reading town centre?	d) Please read FAQ Appendix 4 Q6. What will happen to the trees and					
							f) Could this money not be used to improve public transport instead to make people leave their cars at home?	e) Not as part of this project.
		g) Money could be better spent fixing existing roads - A329 Tilehurst -to Streatley.	f) & g) The majority of the funding is from the DfT as part of their Pinch Point Fund and is only available for this specific project.					
		a) Worried about speed on A4 at night - Can we have a speed camera?						
25		Speed camera:	a) Please read FAQ Appendix 4 Q19					
20	Local Resident	b) Why are we only widening to two lanes westbound why not eastbound?	b) Please read FAQ Appendix 4 Q10 and Q3					
		c) I am concerned about rat running on Dorking Way - are there any proposals to deter it?	c) Please see para 4.4 of the main report.					

	Reply from	Comments made	Officer response
		a) No provision for cyclists.	a) Please read FAQ Appendix 4 Q5
		b) Lengthening the eastbound lane will increase speed towards the pedestrian crossing.	b) Please read FAQ Appendix 4 Q19
26	11	c) The Old Bath Road should be reopened for Langley Hill	c) Will be considered as part of the detailed design.
	Local Resident	exit.	d) Please read FAQ Appendix 4 Q12
		d) Footbridge to replace pedestrian crossing.	e) Enlargement of the lay-by would require additional land not under the control of the Highway Authority. The lay-by will be reinstated to its
		e) School lay-by should be enlarged.	current size.
		f) What are you going to do about Dorking Way rat run.	f) Please see para 4.4 of the main report.
		a) Put a bridge over the road instead of pedestrian crossing.	a) Please read FAQ Appendix 4 Q12
27			b) Please read FAQ Appendix 4 Q13
	Road User		c) The Eastbound improvements on the approach to Langley Hill will
		 c) The scheme won't make a difference as it is single lane past Langley hill/ you can't get past Langley Hill junction. 	deliver significant journey time reductions. Much of the traffic at this point (approx 50%) turns into Langley Hill, therefore the need to dual past Langley Hill towards Reading is reduced.

	Reply from	Comments made	Officer response
		a) Angry about loss of trees and natural sound barrier.	
		b) Concerned that the money allocated for new trees is a lie - as he has previous experience.	a) & b) Please read FAQ Appendix 4 Q6
28	Local Resident	c) Disappointed that an acoustic barrier is currently not planned.d) No pedestrian cycleway provision on southwest side	 c) Please read FAQ Appendix 4 Q7 d) There is insufficient space for a footway cycleway on the south side of the A4. Use of the pedestrian crossing is addressed in Please read FAQ Appendix 4Q 12
		forcing people to cross - slowing down flow. e) Feels that the problem is not the A4 it is the junction with the M4 - access should be improved at the M4 junction.	e) Please see para 2.1 of the main report.
		The noise from A4 will increase to an unacceptable level effecting Calcot Priory. Concerned that no consideration for increase in noise for Local Residents next to the A4.	Please read FAQ Appendix 4 Q7) - What noise mitigation will be provided for residents whose properties will now be closer to the road?
		b) Guests exiting the hotel turning right will be impossible - forcing them to turn left then rat run.	b) Please read FAQ Appendix 4 Q9 - How will motorists turn right from the side accesses
		c) Keep Clear boxes do nothing.	c) Noted
29	Local Resident	d) Install a buses only restriction on Charrington Rd to end rat running (Pollards Way).	d) Please see para 4.4 of the main report.
		e) Open up Pincents Lane for access to Tilehurst.	e) & f) These options were considered as part of the Kennet North/South Study published in 2008. This proposal was found to deliver poor value for money and has significant environmental
		f) Install a Western bypass with a new junction on the M4 between Junction 12 and the Tidmarsh bridge.	barriers. The proposed solution to widen the A4 was found to be the most cost effective solution.
		g) Block off Dorking Way to the A4.	g) Please see para 4.4 of the main report.
		h) Concerned with rat running during construction.	h) Please see para 4.4 of the main report.

	Reply from	Comments made	Officer response
30	Road User	a) Bus stop eastbound for Calcot Priory.b) Ensure overhead tree canopy/ side growth can accommodate buses.	a) Please read FAQ Appendix 4 Q15
31	Road User	Ban lorries from Charrington Ave to ease rat run	Please see para 4.4 of the main report.
32	Road User	Dual in both directions	Please read FAQ Appendix 4 Q3
33	Road User	a) East bound lane only extends merge lane.b) 1 - 3m retaining wall drops need roadside restraint.	a) Please see para's 4.6 and 4.7 of the main report.b) Please read FAQ Appendix 4 Q20.
34	Road User	a) Cycle provision on royal avenue roundabout? b) Have bus stop on northern side at end of dual carriageway.	a) Please read FAQ Appendix 4 Q5b) Please read FAQ Appendix 4Q15) Can you provide a bus stop outside the Calcot Priory?
35	Road User	Ban entry to Beansheaf from A4 westbound at traffic lights 7:30-9 like at Southcote Lane/Circuit Lane roundabout to stop rat run.	This proposal will be discussed with Local Ward Members following completion of the Origin Destination surveys in Charrington Rd which are planned for completion in November.
36	Road User	a) Increase waiting time at pedestrian crossing.b) East of scheme on the A4 the pedestrian traffic lights stop 4 lanes - change to only half the road at a time	a) Please read FAQ Appendix 4 Q12 b) This is outside the scope of this project and will be reported to the Highways and Transport Traffic management Team for investigation.

	Reply from	Comments made	Officer response
37	Road User	 a) Objects to destruction of trees. b) Is there need for the improvements as it's only busy in peak times. c) Vary lanes into contra flow system as Castle Hill. d) Two lanes in one direction then changing depending on time of day. 	 a) Please read FAQ Appendix 4 Q6 b) Please read FAQ Appendix 4 Q1 - Why is this scheme needed? c) & d) This type of traffic management measure is not conducive to roads with accessed as motorists entering the road would be unclear as to the direction of traffic. This would effectively require removal of the central hatch and right turn lanes which would have a significant detrimental impact on businesses.
38	Road User	Charrington Rd is being used as a rat run - place a restriction that only allows buses through.	Please see para 4.4 of the main report.
39	Road User	a) Yellow box marking outside of hotel.b) No right turn out of hotel.c) New sign for M4 utilising mini-roundabout on Charrington Rd for hotel guests.	 a) Will be considered as part of the detail design. b) . Please read FAQ Appendix 4 Q9 c) . Please read FAQ Appendix 4 Q9
40	Road User	Move water pump from lay-by verge to new location with permission from Parish Council	Noted – A suitable new location will be agreed with the Parish Council
41	Road User	Keep water pump in lay-by or move to linear park.	Noted – A suitable new location will be agreed with the Parish Council
42	Road User	No issue with new layout. But there is a fox living in the undergrowth constantly seen walking on public walkway @ 5 Latimer Drive.	Please read FAQ Appendix 4 Q14

	Reply from	Comments made	Officer response
43	Road User	a) Request for more info on: provisions for cyclists.	a) Please read FAQ Appendix 4 Q5
	Road User	b) How impact to local wildlife will be measured/minimised	b) Please read FAQ Appendix 4 Q14
44		Worried about safety of on carriageway bus stop (Red Cottage Drive).	a) The scheme design will be subject to an independent safety audit prior to construction. This issue will be reviewed at that time.
	Road User	 b) People living on the north side will have difficulty turning towards the M4. 	b) Please read FAQ Appendix 4 Q9
		c) What about cyclist provision.	c) Please read FAQ Appendix 4 Q5
	Road User	a) What safety features will be implemented along	There are no planned changes to the footpath on the north of the A4 that require any additional safety features.
45		westbound footpath. b) Hard to exit Calcot Priory now - harder with widening.	The alignment of the A4 follows the original design of the A4 and so no additional safety features for pedestrians have been added.
		c) Relative in Calcot Priory - what about the view from building with all vegetation gone?	b) Please read FAQ Appendix 4 Q9
			c) Please read FAQ Appendix 4 Q6
		d) Can bus stop be installed between Royal Avenue and Murdochs to assist shoppers?.	 d) This request is outside the scope of this project and will be forwarded to the Council's Public Transport Team for investigation and response.

	Reply from	Comments made	Officer response
46	Road User	a) A4 and Streetlights too close to house.b) Increase in dust and noise during construction.c) Rejects new road being so close.	 a) The lighting for this project has been redesigned utilising the newest technology. The new design uses less lamp post columns and enables more directional lighting control minimising the overspill to adjacent properties. b) Increase in noise during construction is unfortunately inevitable. However the Council will work with the preferred contractor to minimise noise and to use techniques to suppress dust. c) Noted.
47	Road User	 a) The problems are left turn to Langley Hill and pedestrian crossing. This scheme will solve neither. b) The community impact cost is too great for no gain. c) Funding by IKEA is irrelevant. d) Loss of trees/habitat even if planted elsewhere is not good enough. e) Cost benefit report should be made available to the public. 	 a) Please see para 1.4 of the main report and Please read FAQ Appendix 4 Q12 b) Please read FAQ Appendix 4 Q1 c) Please read FAQ Appendix 4 Q2 d) Please read FAQ Appendix 4 Q6 e) This will be placed on the Council's website.

	Reply from	Comments made	Officer response	
		a) Large insert from the retaining wall - please confirm that it is an error.	a) A personal response was sent to this request.	
		b) Are there any plans for an acoustic fence?	b) Please read FAQ Appendix 4 Q7	
		c) Will there need to be access to our property to carry out	c) All works will be carried out from the Highway.	
		works?	d) Please see para 2.1 of the main report.	
48	Road User	d) Are the road flow levels taking into account increase from IKEA?	Extensive modelling for this scheme has shown the proposed scheme will improve traffic flow taking into account predicted	
		e) Where will the overflow of traffic be diverted to during construction?	additional flows from IKEA.	
		CONSTRUCTION.	e) Please see para 4.4 of the main report	
		f) Will there be a consultation as to when the working hours will be?	 Yes. This will form part of a further consultation exercise prior to the works starting. 	
				g) Will you be sending out the plans again as they bear no resemblance to initial letter?
		a) School crossing is main problem. Can we replace with a bridge?	a) Please read FAQ Appendix 4- Q12	
49	Road User	b) Worried about rat running on Charrington and Dorking Rd.	b) Please see para 4.4 of the main report	
		c) How will this be planned with the IKEA development roadworks.	 Both works will be coordinated so that there is minimal disruption to the public. 	

	Reply from	Comments made	Officer response
50	Road User	 a) Worried about dual lane becoming race track at night. b) Where is the land coming from? c) Plant mature trees for privacy/ sound break where the 2 lanes are westbound. d) Can we install a bridge instead of pedestrian crossing? 	 a) Please read FAQ Appendix 4 Q19 b) Please see para 1.4 of the main report c) Please read FAQ Appendix 4- Q6 d) Please read FAQ Appendix 4- Q12.
51	Road User	No measures for cyclists. We should encourage people to cycle. Current provision is inadequate. High quality segregated direct lanes. Traffic calming on the approach to roundabouts. Cycle safety measures at traffic lights.	Please read FAQ Appendix 4- Q5
52	Local Resident	Object because – a) increase in noise b) property will be overlooked c) loss of environment. d) Doesn't think widening is necessary.	 a) Please read FAQ Appendix 4- Q7 b) Please read FAQ Appendix 4- Q8 c) Please read FAQ Appendix 4- Q6 d) . Please read FAQ Appendix 4- Q1
53	Road User	a) Make it two lanes in both directions. b) Allow U-turn at Langley Hill.	a) Please read FAQ Appendix 4 Q3 b) This will not be allowed in the new schemes. Motorists will have to turn round at the Charrington Road roundabout.
54	Local Resident	Footbridge required for pedestrian crossing.	Please read FAQ Appendix 4

	Reply from	Comments made	Officer response
55	Local Resident	Due to illness would like bus stops next to Calcot Priory.	Please read FAQ Appendix 4 Q15
56	Local Resident	In reference to conversation in drop in session please confirm distance of 0.7m from retaining wall to boundary fence and distance from kerb to boundary fence.	The minimum distance from the any retaining structure to a property boundary will be 1m. Further details of exact measurements can be discussed with residents on request.
57	Local Resident	a) Charrington Rd is being used as a rat run - what are your plans to stop this during construction?b) Speeds of these cars are 50mph can you reduce it to 20mph?	 a) Please see para 4.4 of the main report. b) As this section of the A4 is a main arterial route to Reading and the M4 it is not feasible to reduce speeds to 20mph as part of these works.
		c) Can there be a speed camera installed?	c) Please read FAQ Appendix 4 Q19

	Reply from	Comments made	Officer response
58	Local Resident	 a) Presentation should have been clearer - powerpoint etc. Bordering irresponsible that we are spending this money - with no studies being carried out by planners. b) The main problem is with the pedestrian crossing. At all other times it flows well. c) Will any mature trees be cut down? d) Are there plans to replant to compensate loss of greenery? e) Users disregard box junction at Langley Hill - what enforcement measures are there? f) Can Pincents Lane connected directly to the M4 be considered? g) Eastbound is only moving merge point. h) There has been no prior consultation. i) Without addressing the pedestrian crossing issue this scheme will have little effect. 	 a) Please see para 1.2 of the main report b) Please read FAQ Appendix 4 Q12 c) Please read FAQ Appendix 4 Q6 d) Please read FAQ Appendix 4 Q6 e) Enforcement is possible under the Road Traffic Act f) Please see para 2.1 of the main report g) Please see para's 4.6 and 4.7 of the main report. h) The scheme is in its early stages and consultation has taken place as soon as possible. i) Please read FAQ Appendix 4 Q12
59	Local Resident	Stop right turns and make two lanes in each direction will save future money being spent.	Please see para's 4.6 and 4.7 of the main report.

	Reply from	Comments made	Officer response
60	Local Resident	 a) Property backs onto the A4 widening. Currently only have 1m wire fence at bottom of garden. b) Will the natural growth of the bank be removed during construction - this is now acting as a natural barrier? c) Is any noise barrier proposed as both the road being closer and lack of trees will increase noise? d) How will the retaining wall look when finished? e) Will it look like a solid block of concrete from my house? Can a facing be applied? f) Will access to my land be required as there is only 0.7m distance to my fence? g) Is a crash barrier being installed to protect properties? h) We have had experience of a car leaving the carriageway and rolling down the embankment. With no 	 a) The scheme is designed to be within the highway boundary. Maintenance or provision of a fence is down to the individual property owner. b) Please read FAQ Appendix 4 Q6 - c) Please read FAQ Appendix 4 Q7 - d) Please read FAQ Appendix 4 Q18 e) Please read FAQ Appendix 4 Q18 f) Access to private properties is not required. The minimum distance from and property boundary to the works will be 1m. g) Please read FAQ Appendix 4 Q20. h) The scheme will be designed to the latest national standards and subject to an independent safety audit.
61	Local Resident	slope vehicles could be propelled into our garden. a) Water from the A4 is going onto Sandown Ave and flooding gardens - see photos. b) Contractors on a previous visit have filled in ditch between Cranbourne Ave and garage. c) Where is the risk assessment and impact assessment of this, as this is an accident waiting to happen? d) There should be traffic lights for Local Residents of Cranbourne Ave.	 a) &b) Please read FAQ Appendix 4 Q22 c) The scheme will be designed to the latest national standards and subject to an independent safety audit. d) The number of trips generated from residents in Cranbourne Avenue doesn't the provision of traffic light controlled junction. Please read FAQ Appendix 4 Q9

	Reply from	Comments made	Officer response
62	Road User	Footbridge for crossing – now or future	Please read FAQ Appendix 4- Q12
63	Road User	Please widen both lanes	Please read FAQ Appendix 4Q3
64	Local Resident	 a) Worried about access to and from Sandown Avenue Calcot. b) Mud and weeds at entrance on Sandown Ave is a safety issue. c) Crossing should have crossing patrol to enable larger groups to cross rather than small groups. d) They didn't receive a letter dated 17th Sept 	 a) Please read FAQ Appendix 4 Q9 - b) As part of the scheme mud and weeds within the highway authority boundary will be addressed. c) Please read FAQ Appendix 4 Q12 d) Noted.
65	Local Resident	 a) Worried about extra noise generated by widening. What are we doing to improve this? Extra mature trees? b) Are we cutting down trees in verge for widening? c) Can you improve the surface of Mayfield Ave at the same time as we will be inconvenienced 	 a) Please read FAQ Appendix 4 Q7 b) Please read FAQ Appendix 4 Q6 c) This will be reported to the Council's maintenance team for inspection.

	Reply from	Comments made	Officer response
		a) Lack of consideration for cyclists.	a) Please read FAQ Appendix 4 Q5
		 b) On carriageway bus stops will be safety concern for cyclists. 	b) The scheme will be subject to an independent safety audit.
66		c) Cycle path on the westbound side as there are no side	c) Please read FAQ Appendix 4 Q5
	Road User	accesses? 1 Cycle lane on each side? d) Can the additional lane be for buses only?	d) There are relatively few buses that travel along the A4 as they mainly keep to the Charrington Road estate. Using this lane purely for buses would represent poor value for money.
		e) Can existing cycle lane have priority over side entrances?	e) This can be considered as part of the detailed design.
		f) Can we extend cycle lane to edge of West Berkshires boundary?	f) Please read FAQ Appendix 4 Q5
	Local	a) There will be a lot of dust and noise from construction?	a) Increase in noise during construction is unfortunately inevitable. However the Council will work with the preferred contractor to
67		b) It will be REALLY hard to turn out of Calcot Priory.	minimise noise and to use techniques to suppress dust.
	Resident	c) A bus stop is essential - it's a long way to the bus stops	b) Please read FAQ Appendix 4 Q9 -
		from Calcot Priory.	c) Please read FAQ Appendix 4 Q15
		Main problem is from pedestrian crossing.	
68		a) Overpass?	
	Road User	b) Underpass?	a) b) & c) Please read FAQ Appendix 4- 12
		c) Now or in future?	

	Reply from	Comments made	Officer response
		Worried about increase of noise through reduction of natural barrier - she will have to double glaze.	
		b) Worried about flooding as the ditch is in the proposed widening.	a) Please read FAQ Appendix 4 Q7
			b) Please read FAQ Appendix 4 Q22
		c) Worried that the engineering sound barrier/scheme proposal will be an eyesore.	c) Please read FAQ Appendix 4 Q18
69		d) Worried about the impact of house prices - how are you going to mitigate it?	d) Please read FAQ Appendix 4 Q21
	Local Resident		e) Please read FAQ Appendix 4 Q20
		e) How are we going to deal with safety if vehicles leave the road?	 f) Decisions will be made as per the Council's decision making process.
		f) We want to ensure that where decisions are made it is open to the public and they can vote/pose questions/ have discussions.	g) The land to the north of the A4 does not belong to the Highway Authority.
		g) Can we widen to the other side of the road?	h) Noted.
		h) Please ensure that all houses are mailed to - neighbours didn't get the letters.	
70	Local Resident	Worried about speeding on A4 - what are our proposals to enforce speed limit?	Please read FAQ Appendix 4 Q19
71	Local Resident	Wants to meet with member of staff to address his issues with the scheme.	Local resident was informed of consultation sessions. Officers are available to meet on request.

	Reply from	Comments made	Officer response
72	Road User	 a) Introduce measures to block rat run on Royal Avenue. b) Can we look at enforcement of box junctions on J12? c) Can we look at the re-phasing of traffic lights on junction 12? d) Pedestrian crossings cause congestion - build bridge? e) Thoughts for cycle provision. 	 a) Please see para 4.4 of the main report. b) This will be reported to the Council's Traffic Management Team. c) Please see para 2.1 of the main report d) Please read FAQ Appendix 4 Q12 e) Please read FAQ Appendix 4 Q5
73	Local Resident	a) We should consider flashing crossing warning lights in advance of crossing. b) Railings should be painted yellow.	 a) This has previously been considered by the Council's Traffic Management Team and discounted as flashing signs are erected on the approaches to school entrances. The entrance to the school is from Royal Avenue. b) Noted.
74	Local Resident	Dual in both directions	Please see para 4.6 and 4.7 of the main report.
75	Local Resident	Wants 3m highways acoustic barrier to be installed	Please read FAQ Appendix 4 Q7
76	Road User	Cycle facilities - forward stop areas?	Please read FAQ Appendix 4 Q5
77	Councillor for Theale	a) Dual in both directions. b) Worried about pedestrian crossing.	a) Please see para 4.6 and 4.7 of the main reportb) Please read FAQ Appendix 4 Q12

	Reply from	Comments made	Officer response
78	Road User	Footbridge for crossing	Please read FAQ Appendix 4 Q12
79	Road User	Dual in both directions	Please see para 4.6 and 4.7 of the main report
80	Local Resident	Stop rat running on Charrington Rd	Please see para 4.4 of the main report
81	Local Resident	a) Loss of trees - natural screen.b) Loss value of his house.c) Wants crash + noise barrier	a) Please read FAQ Appendix 4 Q6, Q7 and Q8.b) Please read FAQ Appendix 4 Q21c) Please read FAQ Appendix 4 Q20 and Q7
82	Local Resident	Meeting held stated 1m gap between supporting wall and boundary - drawing says 0.7m please clarify.	This has been addressed and reported to the resident.
83	Local Resident	Pedestrian bridge.	Please read FAQ Appendix 4 Q12

	Reply from	Comments made	Officer response
84	Local Resident	a) M4 traffic causes congestion.	a) M4 traffic causes congestion.
		b) Pedestrian crossing causes congestion.	b) Please read FAQ Appendix 4 Q12.
		c) Environmental objections.	c) Please read FAQ Appendix 4 Q6
		d) Close crossing and make them walk to main junction.	d) Noted.
		e) Project is expensive for little congestion.	Modelling and financial assessments has shown the scheme will deliver significant value for money.
	Local Resident	a) Dual all the way into Reading.	This is because the constant and an electrical and an electrical and
		b) Main congestion is at junctions of Langley Hill and M4.	a) This is beyond the scope of this project and would involve significant land acquisition.
0.E		c) Local Residents or Access only - signs may help during construction.	b) Please see para 2.1, 4.6 and 4.7 of the main report
85		d) School must find alternative parking area other than	c) Please see para 4.4 and 4.5 of the main report
		Curtis Rd.	d) Please see para 5.1 of the main report.
		e) Pincents Lane should be looked at for direct link to M4 junction.	e) Please see para 2.1 of the main report.
		f) Restrict right turns and allow u turns at junctions.	f) Please read FAQ Appendix 4 Q9

	Reply from	Comments made	Officer response
86	Local Resident	a) Objects to destruction of trees and habitat.	a) Please read FAQ Appendix 4 Q6 and Q14
		b) Hard surfacing leading to flooding.	b) Please read FAQ Appendix 4 Q22
		c) Scheme won't help bottleneck as M4 is bottleneck.	c) Please see para 2.1 of the main report
		d) Ikea will increase problem.	d) Please see section 2 of the main report.
		e) Two lanes will make cycling more difficult.	e) Please read FAQ Appendix 4 Q5
		 f) Has been maintaining and planting on land at the rear of property - doesn't want this destroyed. 	f) Land to be used for this scheme will be within the Highway boundary.
		g) Wall/fence will be unsightly.	g) Please read FAQ Appendix 4 Q18
		h) Both sides of road should be considered for scheme.	h) Highway land is not available to the north of the A4.
		i) Improve cycle provision.	i) Please read FAQ Appendix 4 Q5.
	Road User	a) Flooding risk concerns	a) Please read FAQ Appendix 4 Q22
87		b) Privacy concerns	b) Please read FAQ Appendix 4 Q8
		c) Property values.	c) Please read FAQ Appendix 4 Q21
		 d) Where is acoustic testing on website. Q & A from 25th meeting. 	d) Information has been uploaded to the website.
88	Road User	Pedestrian crossing is the cause of congestion all the way to Langley hill. This prevents vehicles being able to exit Langley Hill.	Please read FAQ Appendix 4 Q12

	Reply from	Comments made	Officer response
89	Councillor for Theale	a) Lay-by should be abolished - for right turn lane into BP.b) Calcot hotel entrance should be moved to Old Bath Rd.c) Allow u turns at major junctions for Cranbourne Ave.	 a) The lay-by is an important amenity for parents accessing the school and removal would prove unpopular. b) To be considered as part of the detailed design. c) Please read FAQ Appendix 4 Q9
90	Local Resident	Money should be used on front line services	Please read FAQ Appendix 4 Q2

Frequently Asked Questions 27/11/13 A4 Calcot Widening, Langley Hill to Royal Avenue.

Q1) Why is this scheme needed?

A1) Widening the A4 between Langley Hill and Royal Avenue has long been an aspiration of West Berkshire Council. A number of studies, most recently the North/South Kennet Study, identified this option as the most cost effective solution to improving traffic flow between the West Reading/Tilehurst area and M4 junction 12.

A bid was submitted to central government for funding as part of the Department for Transport's (DfT) Local Pinch point programme and funding was awarded in front of many other bids nationwide, because of the excellent value for money this scheme provides.

Q2) How much is the scheme costing? Where is this money coming from? Is IKEA contributing?

A2) The total scheme cost is approximately £2.9m. The majority of the funding (£2m) will come from the DfT as part of their Local Pinch point Fund programme: https://www.gov.uk/government/organisations/department-for-transport/series/local-pinch-point-fund

This is a pot of money aimed at removing pinch points and improving traffic flow in areas that have seen significant development.

The remainder of the funding is from S106 developer's contributions (including IKEA) and from the Council's Local Transport Plan grant.

Why this can't be used for other areas?

Q3) Why is the design not two lanes in both direction?

A3) There is not enough available highway land for two lanes without removing the right turn lane. This could be done, but would mean a ban on all right turns along this stretch of road. We could remove the right turn lane/hatching in future if eastbound congestion gets worse, but the lane improvements at either end will yield a good short term benefit.

Q4) How will the Council discourage motorists from rat-running along Charrington Road and Royal Avenue during construction?

A4) Two lanes of traffic will remain open on the A4 throughout the construction period which should keep traffic flowing and reduce the amount of rat running.

A number of suggestions were also received from the drop-in consultation session including physical restrictions and HGV bans on Charrington Rd and Royal Avenue during the construction. These will be investigated further and reported back through the Local Ward Members and the Parish Councils.

Q5) What improvements are being made for cyclists?

A5) The main focus of the funding is aimed at easing traffic congestion. An off carriageway foot/cycle path already exists on the north side of the A4 and on carriageway cycle lanes exist on Charrington Road that extends parallel to the A4. There is not enough available land to provide on carriageway cycle lanes on the A4; however consideration will be given to improving cycle priority along the existing route.

Q6) What will happen to the trees and bushes where the road is being widened?

A6) Unfortunately a number of mature oaks and adjacent undergrowth would have to be removed to make way for the road widening. Replacement planting will take place along the A4 where possible. A landscaping scheme will be developed and discussed with adjacent residents. Close board (acoustic) fencing has also been incorporated within the length of the scheme to provide screening.

Q7) What noise mitigation will be provided for residents whose properties will now be closer to the road?

A7) Acoustic experts have been employed by the Council to advice on the best form of noise mitigation for adjacent properties. This could take the form of a noise barrier or secondary glazing for affected properties. Once the acoustic report is complete it will be made public and discussed with adjacent residents.

Q8) What is the Council going to do about privacy for properties where the trees have been removed.

A8) At locations where the trees have been removed either replacement planting will be provided if there is enough space, alternatively fencing will be erected to provide a barrier.

Q9) How will motorists turn right from the side accesses?

A9) The right turn lanes will be retained. It may be harder to turn right but visibility is good. Keep clear markings will be used as appropriate to stop traffic queuing at the pedestrian crossing blocking Cranbourne Ave. If drivers aren't comfortable with turning right across two lanes of oncoming traffic it is only a short detour to go round the roundabout at Royal Ave, and then turn left.

Q10) Why did you choose to only widen the westbound lane?

A10) The morning peak westbound congestion tends to be worse and less predictable than the afternoon peak eastbound congestion. The eastbound lane improvements should make a positive difference as we are extending the Langley Hill left turn lane and significantly extending the merge lane from Royal Avenue.

Q11) When will the construction start and how long will it take?

A11) If approved to proceed it is intended to commence work on site by July 2014 for approximately 9 months.

Q12) The main problem in the morning is the pedestrian crossing. What about a bridge?

A12) Any bridge would require extensive ramps on the approach and room does not exist within the Highway to accommodate this.

The crossing will be widened so more people can cross at a time. This will enable us to optimise the frequency with which the crossing will stop traffic. The two lane westbound approach to the crossing will significantly improve capacity in the morning peak when the crossing causes most delays.

An underpass will encounter similar problems to the provision of a bridge. Land would not be available to achieve the required levels and the construction costs would be significant. Underpasses can also prove unpopular due to anti-social behaviour.

Q13) Some problems were created when Langley hill was converted to a signalised junction can we change it back to a roundabout?

A13) No. Traffic levels have grown a lot since it was a roundabout. Traffic signals will be "fair" to all approaches. The roundabout was notorious at the time for accidents due to motorists taking risks to enter the roundabout. Returning the junction to a roundabout would also remove the pedestrian crossings at this junction which would further compromise safety at this busy junction.

Q14) What measures will be taken to protect wildlife where the road is being widened?

A14) Ecological consultants have been employed to ensure any wildlife adjacent to the A4 is preserved.

Q15) Can you provide a bus stop outside the Calcot Priory?

A15) This will be looked at and incorporated into the design if a safe location for a bus stop can be located.

Q16) During the construction will parents be able to continue to park in the lay-by on the A4 when taking children to school.

A16) Unfortunately the lay-by will be out of commission for much of the construction and cannot be used. West Berkshire Council will discuss alternative locations for park and walk with the School for the duration of the works.

The lay-by will be retained for use after construction is complete.

Q17) What happens next?

A17) The results of this consultation will be reported to the Council's Executive Member for Highways at the end of November, who will determine whether the scheme will continue to detailed design.

Q18) What will the fence and retaining wall look like?

A18) The detailed design of the fencing and retaining wall will be discussed with individual property owners as part of the detailed design process. A further consultation exercise will be carried out to review these details.

Q19) I am concerned about speeding when the road is completed. Will a speed camera be installed?

A19) Speed cameras are installed in locations where road safety records are particularly poor. This scheme will be designed to the latest design standards and subject to an independent road safety audit.

Q20) Will a crash barrier be installed to protect properties?

A20) The scheme will be designed in accordance with the latest national design standards. Crash barriers will be installed in locations where these standards dictate it is appropriate.

Q21 Concerned about loss of value to property?

A21) If residents are concerned about their property value they will be able to submit a claim for compensation under the land compensation act. The Council will contact those properties which the District Valuer deems to be affected and advise them of their rights.

Q22) What will be done to prevent Flooding?

A22) The drainage system on the A4 will be upgraded to accommodate the additional surface area created by widening the road.