Adderbury Parish Council – Environment Committee

Traffic Calming



Main Issues Identified by Residents

Milton Road & related developments	Oxford Road	Banbury Road	Twyford Road
Excessive Speed entering and leaving, Unsafe Overtaking	Excessive Speed entering and leaving, Unsafe Overtaking	Speeding & ease of crossing	Speeding leaving the village

Berry Hill Road	Horn Hill Road, Water Lane, High Street,	Traffic lights: Aynho Road, Banbury Road, Oxford Road	Twyford roads
Excessive Speed	Excessive Speed	Congestion - morning and evening peak traffic.	Rat running due to congestion on Banbury and Aynho Roads

Calming & Enforcement - Options

Key - Relative Rough Costs: <e5000 <e20,000="" cost="" d<="" not="" th=""><th>Not Cost Driven</th><th>l</th><th></th><th></th></e5000>						Not Cost Driven	l					
Issues and Potential Measures						Spe	cific Areas of the V	lage to be investig	ated			
П	Ref				A	В	c	D	E	F	6	н
		Issues Identified (across) and	Cost	Approval	Milton Road & related developments	Oxford Road	Twyford roads	Traffic lights: Aynho Road, Banbury Road, Oxford Road	Berry Hill Road	Horn Hill Road, Water Lane, High Street,	Banbury Road	Twyford Road
		Potential Measures (below)	Relative Cost of Each Measure	Highest Level of Approval Required	Excessive Speed entering and leaving, Unsafe Overtaking	Excessive Speed entering and leaving, Unsafe Overtaking	Rat running due to congestion on Banbury and Aynho Roads	Congestion - morning and evening peak traffic.	Excessive Speed	Excessive Speed	Speeding & ease of crossing	Speeding leaving the village
ΙI												
	1	Foliage Clearance - sign visibility		APC	n/a	Urgent - Signs largely obscured near bridge southbound both sides.	n/a	n/a	Ensure relocated position is clear	n/s	n/a	n/s
ı												
	2	Gateways – enhance all approaches [re- paint & resign – e.g. as S. Newington. Nothing currently on Oxford Road]		APC	In place, enhance	Not in place. Introduce by Duchess Bridge	n/a	n/a	In place, enhance & relocate under first streetlight	n/a	In place, enhance	In place, enhance
ΙI												
	3	White on red speed roundels at gateways (in use in e.g. Deddington). Note - would need an OCC 'departure'.		осс	Introduce (at 60mph to 30mph)	(at 40mph to 30mph)	n/a	n/a	Introduce (at 40mph to 30mph) (see relocation)	n/a	n/a	Introduce (at 60mph to 30mph)
11												
	4	Additional 30mph fixed signage [only sign dia.880 with camera symbol permitted]		осс	Introduce (max two permitted in each direction)	Introduce (max two permitted in each direction)	n/a	n/a	introduce (max two permitted in each direction)	introduce (max two permitted in each direction)	Introduce (max two permitted in each direction)	introduce (max two permitted in each direction)
	5	On-road repeater speed roundels [only in conjunction with sign dia.880]		осс	Introduce (max two permitted in each direction)	Introduce (max two permitted in each direction)	n/a	n/a	Introduce (max two permitted in each direction)	Introduce (max two permitted in each direction)	Introduce (max two permitted in each direction)	introduce (max two permitted in each direction)
,	6	No overtaking on approach to gateways [solid double white lines in place of dashed]		occ	Introduce for c. 300 entering & 100m leaving from 30mph	Extend existing c.50m for all the 40mph zone & possibly to the first house. Ghost Island at gateway.	n/a	n/s	Not aware of overtaking being a problem	n/s	n/a	Not aware of overtaking being a problem
1												
KSURES	7	Hazard signage near community facilities (e.g. children, infirm people) [need to check max distances from facilities].		осс	Introduce near play area	At institute. May not be permitted due to crossing	in place near The Rise Play Area	School signage in place	n/a	Possibly near footpaths & roads from Lucy Plackett	Care Home, Bowls Club	n/a
9												
ALMING MEASURE	8	Black on Yellow signage (e.g. Kill your Speed, possibly including 30mphs) and/or CDC calming signage.		OCC/APC	Could be used if dis.550 sign refused	Could be used if dis.880 sign refused	n/a	n/a	Could be used if dis.880 sign refused	Could be used if dls.880 sign refused	Could be used if dis.500 sign refused	Could be used if dis.550 sign refused
13												
ľ	9	Additional Vehicle Activated Signs [feedback about those installed is that they are of limited use].		осс	In place, not considered effective	Could be added if effective, both directions?	Too many rat runs for one sign to be effective	n/a	In place, not considered effective	In place, not considered effective	n/a	Could be added if effective, both directions.

Calming & Enforcement - Options

Issues and Potential Measures				Specific Areas of the Village to be Investigated								
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		Issues Identified (across) and	Cost	Approval	Milton Road & related developments	Oxford Road	Twyford roads	Traffic lights: Aynho Road, Banbury Road, Oxford Road	Berry Hill Road	Horn Hill Road, Water Lane, High Street,	Banbury Road	Twyford Road
		Potential Measures (below)	Relative Cost of Each Measure	Highest Level of Approval Required	Excessive Speed entering and leaving, Unsafe Overtaking	Excessive Speed entering and leaving, Unsafe Overtaking	Rat running due to congestion on Banbury and Aynho Roads	Congestion - morning and evening peak traffic.	Excessive Speed	Excessive Speed	Speeding & ease of crossing	Speeding leaving the village
	10	Relocation of 30mph commencement on Berry Hill Road from Oxford Road, to improve visibility. Traffic Order required.		OCC & Traffic Order	n/a	n/a	n/a	n/a	Relocate speed change and gateway to under the first streetlight.	n/a	n/a	n/a
	11	Speed bumps, etc. (not on the main roads)[effective, but could introduce noise & vibration issues]		OCC & Traffic Order	Not really suited to a secondary route	n/a	Consider	n/a	Not really suited to a secondary route	Consider	n/a	n/a
	12	Constraints: Islands, Chicanes & build- outs(various options tailored to locations – e.g. Ayriho)		OCC & Traffic Order	Space for an Island/crossing. Include as part of aports facilities entrance works.	Ghost island only- no space for physical island	Various options to make rat running less attractive	Already in place	Aynho-style narrowing and chicaning feasible. Allow white lines to disappear.	See OCC options report. Specifically consider build-out on HHR oppositie streetlight at RCR. Also Key-Clamp type pedestrian barriem by mill stream on WL.	islands/Controlled Crossing?	n/a
	13	20mph zones (not on the main roads) (feasible for village centre & possibly Twyford)		OCC & Treffic Order	Investigate 30mph and 20mph proposals	n/a	Consider	n/a	Investigate 30mph and 20mph proposals	See OCC feasibility report Feb 2016	n/a	n/a
	14	Restrict Junction at the Oak Tree. Use a temporary restriction initially for a c. 12 month trial.		MHCLG & Traffic Order	n/a	n/a	n/a	n/a	n/a	See OCC feasibility report Feb 2016	n/a	n/a
Ш												
	20	Police Enforcement on main roads (need discussions with TVP on mobile units)		TVP	Priority 2 - consider funding a hardstanding	Priority 1 - consider funding a hardstanding	n/a	n/s at lights. TVP already visits Aynho Road (Priority 4)	Priority 2	Priority 6	Priority 5	Consider - funding a consider hardstanding
MEASURES	21	Community Speedwatch [effective elsewhere – e.g. Croughton]		TVP	Priority 2	Priority 1	n/a	n/a	Priority 2	Priority 6	Priority 5	Consider
DAF ORCEMBNT MEA	22	Gatso-style e.g. nesting boxes [need to be realistic, can be added to SatNav data]		APC	Consider	Consider	n/a	n/a	Consider	Consider	n/a	Consider
EMF ORC	23	Camera Boxes (ideally flash, no camera) [can be very effective – need costings]		APC	Prioritize	Prioritie	n/a	n/a	n/a	Consider	n/a	n/a
	24	Fixed Cameras (Specs/Cetso/Truvelo) (SPECS(everage) not suited. TVP not resourcing fixed)		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

OCC Traffic Surveys

Road	Survey Year				
	2012	2014	2017	2018	
Aynho Road		Υ		Υ	
Banbury Road		Υ	Υ		
Berry Hill Road				Υ	
High Street				Υ	
Horn Hill Road	Υ			Υ	
New Road				Υ	
Oxford Road			Υ		
Roads in Twyford (6 No.)				Υ	
Twyford Road		Υ			

OCC Traffic Data

- Mean (24h): the average speed of all vehicles as measured in a 24 hour period.
- **85%ile (peak):** the highest hourly average of the speed that 85% of vehicles drive at or below. Ideally this will be at or below the speed limit for the road. Night and Day peaks are shown separately.
- >45mph: the number of vehicles exceeding 45mph (in a 30mph zone) in a 24 hour period
- **>60mph:** the number of vehicles exceeding 60mph (in a 30mph zone) in a 24 hour period

Quantifying the Concerns Raised

Road	Average	85%ile	85%ile	>45mph	>60mph
	Mean (24h)	(Peak hour - D)	(Peak hour - N)	Number	Number
High Street:	19 mph	24 mph	26 mph	0	0
Roads in Twyford:	18-23 mph	29 mph	32 mph	0	0
Horn Hill Road:	25 mph	33 mph	38 mph	3	0
New Road:	29 mph	36 mph	40 mph	9	0
Banbury Road:	30 mph	37 mph	50 mph	101	6
Aynho Road:	33 mph	39 mph	48 mph	224	6
Berry Hill Road:	34 mph	33 mph	51 mph	154	2
Twyford Road:	35 mph	39 mph	47 mph	216	2
Oxford Road:	38 mph	42 mph	54 mph	706	14

Village Approaches – Examples







Village Interior – Examples



Funding Allocation – Initial Views

Budget	Measure	Location/Beneficiary	References - Potential Measures
(000)			
5	Line & Roundel Painting	Village wide	A3, A5, A6, B3, B5, B6, E3, E5, F5, G2, G5, H2, H5
5	Signage - Dia 880 (& Hazard?)	Village wide	A2, B2, E2, F2, G2, H2, H4
5	Gateway & Signage - New	Oxford Road	B2
5	Gateway & Signage - Relocate	Berry Hill Road	E10
3	Enforcement Hardstandings	Oxford, Twyford & Milton Rds	A20, B20, H20
1	Speed Camera Repairs	Village wide	A21-H21
1	Small Works (e.g. paint & trees)	Village wide	A1, A2, B1, E1, E2, G2, H2
2	Oak Tree - Temp Closure	Horn Hill Rd & New Road	F14
2	Traffic Order No. 2	Village wide	
1	Contingency	Village wide	
30	Total		

Priorities – Funding Needed

Twyford Road, Berry Hill Road, Milton Road, Oxford Road









Constrictions – Funding Needed

Twyford Road, Berry Hill Road, Milton Road, Oxford Road





Progress To Date

- Environment Committee Meeting c.Monthly
- Contact Article aimed at Residents
- Letters to Adderbury Businesses (63)
- Identification of Issues & Potential Solutions
- Feasibility Walk Through OCC Highways
- Traffic Data Analysis & Confirmation of Priorities
- Delegated Authority & Mandate APC to EC
- Enforcement Request APC to CDC to TVP
- Foliage Clearance Oxford Road & Aynho Rd
- Sign Cleaning Oxford Road cleaned
- Gateway Painting Prices for All
- Reference Examples Various
- Product Research Various

Next Steps - Enforcement

- APC & CDC: Chase Enforcement Request
- CDC & TVP: Review & Agreement of Need
- TVP, OCC & APC: Agree Enforcement Locations
- TVP: Mobile Enforcement Location Risk Assessment
- APC & OCC: Hardstandings Works Packages & Procurement
- OCC: Hardstandings Construction
- TVP: Reallocate Mobile Enforcement

Next Steps - Calming

- APC: Feasibility Proposal By Road & Holistically
- OCC & TVP: Review & Agreement
- APC: Village Consultation, Amendments as Needed
- OCC: Design Production & RSA (Stage 2)
- APC & OCC: Funding Approval
- APC: Traffic Orders Exact Requirements
- OCC: Traffic Orders Submission (12 weeks)
- OCC: Works Packages & Procurement By Trade
- OCC: Works Construction
- OCC: RSA (Stages 3 & 4)

Next Steps – Community Speedwatch

- APC: Find out requirements
- APC: Find willing residents
- APC: Agree locations & frequency/rotas
- APC: Risk Assessments & Method Statements
- APC/OCC: Approve Funding
- APC: Source Mobile Speed Camera, PPE
- APC: Carry out Community Speedwatch
- APC: Serious & Persistent Offender Data to TVP
- TVP: Warning Letters to Offenders

Making Adderbury Safer - How Can We Help?

Role/Action	Lead	Support
EC Chair & Coordination	Martin Rye	Jonathan White
EC Minutes	Theresa Goss	EC Members
Proposal Papers/Comms	Jonathan White	EC Members
APC Budget & Procurement	Theresa Goss	Martin Rye
OCC Budget & Procurement	Geoff Barrell (OCC)	Arash Fatemian (OCC)
Roads - Technical	Jonathan White	Mike Wasley (OCC)
Feasibility Report Compilation	Needed	Jonathan White
Village Wide Improvements	Jonathan White	Martin Rye
Oxford Road	Jonathan White	Jonathan White
Twyford Road	Needed	Jonathan White
Berry Hill / Milton Road	Gareth Jones	Jonathan White
Aynho Road	Needed	Jonathan White
Banbury Road	Needed	Jonathan White
Oak Tree Corner	Keith Mitchell	Jonathan White
Clean Signs & Clear Foliage	n/a	Needed
Consultation with Residents	Needed	Needed
Community Speedwatch	Needed	Needed
TVP Enforcement	Martin Rye	Andrew McHugh (CDC)