

PROJECT FEASIBILITY SUMMARY

Local Highway Improvement (LHI) Initiative



Applicant	Melbourn PC	Status	Draft
Application Reference No	30 - South Cambs	Version	1.0
Assigned Highways Officer	Joshua Rutherford	Approved by	
Location of proposal	New Road		
Streetview Link	https://www.google.co.uk/maps/place/Mortlock+St,+Melbourn,+Royston/@52.0804181,0.0228402,17z/data=!4m5!3m4!1s0x47d87f699afc040b:0xb9a7019faa214717!8m2!3d52.0830801!4d0.0169375		
Highway Issue or Improvement -	Speed reduction & road safety		
Key Considerations -	Forward visibility to new raised features. Compliance with 20mph speed limit. Appropriate levels of lighting. Suitable install / mounting locations for the new posts and road markings.		
Optimum Solution -	Installation of 40mph buffer zone extending out 400m. Installation of speed cushions, one alongside existing GW feature at entry point to village, and a further 3 pairs of cushions on New Road to compliment the existing traffic calming - 7no total. 800 linear m 20mph Zone from existing GW feature to junction with High St. Advisory HGV sign at junction with Beechwood Avenue		
Other options considered -	Central islands, further give way chicanes, road narrowing's and passive safety measures.		
Key project risks -	Objections to the locations of the speed cushions may mean the 20mph wont be self enforcing, (as the number of pairs of cushions might have to reduce), if this is the case then the 20mph would have to be withdrawn and the speed cushions installed within the existing 30mph limit with additional warning signs which haven't been included in the below costs. We have assumed there are no conflicts with utilities and that the road is in good enough condition to install the cushions without first patching the road.		

TECHNICAL APPRAISAL OF PROPOSED SOLUTION	
Road Safety Benefit and/or Issues	RAG
1 serious injury on New Road outside 30mph limit.	
Risks to Delivery (see 'Key project risks' section above for further information)	RAG
Objections to Speed Cushions & Speed Limit	
Effectiveness	RAG
Physical measures will result in lower vehicle speeds.	
Maintenance Considerations	RAG
Features will be maintained by CCC going forward	

ESTIMATED CONSTRUCTION & OTHER COSTS	
Item	Estimated Cost
Staff Cost	£ 2,037.82
Construction Cost (Inc. Traffic Management)	£ 17,893.66
TTRO	£ 1,000.00
Safety Audit (Stages 1-3)	£ 2,000.00
Legal Traffic Regulation Order (Includes 2 No. Newspaper Adverts)	£ 1,000.00
Sub-Total	£ 23,931.48
10% Risk Contingency	£ 2,393.15
GRAND TOTAL	£ 26,324.63

Total Project Budget Required	£	26,324.63
Applicant Contribution	£	11,400.00
CCC Contribution applied for	£	14,924.63
Estimated duration of project	10 - 12 months (commencing 1st April 2022)	