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Does Ringmer need a bypass Introduction

I am going to do my project on whether Ringmer needs a bypass because of the levels of traffic and noise there are, especially in rush hour times. In my investigation I am going to do a traffic count to see how many cars really do go through Ringmer at different times of the day, I am going to make maps of possible routes of where the bypass could go, I am going to ask local people if they think having a bypass would be a good idea. I am going to go to all of the places whereby a bypass may have t o go through, e.g. a farmers field, so I would ask the farmer if they would allow it to be built. I am going to contact the Ringmer council and I am going to contact east Sussex council and see what they think of having a bypass. I am doing the project in Ringmer because it is a village that is growing fast and the main road is going to be right in the middle of development. Ringmer is also a convenient place for me to work with, as it is very close.

You can see where Ringmer is by looking at the maps that I have provided.

The data I will need to collect will be information from the local people to see if they think a bypass is a good idea, I will have to collect data myself on how much traffic really does go through Ringmer, Data from farmers who own lots of land to ask if they would be happy to have a bypass go through or near some of their land. I will do traffic counts to determine how much traffic there is and I will send out a questionnaire to the people of Ringmer to ask them. I have provided 1 example of the questionnaire.

Once I have collected the data I will put the information in bar charts, pie charts and use tables.

I think that the people of Ringmer will think that it's a good idea and I think that traffic counts will also be very high.

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Methodology

Method	Sampling technique	Day	Date	Times	Conditions
Questionnaires	Random	Monday/ Tuesday	21st/22nd July	6pm	Hot/sunny
Interviewed Land owners	Biased	Wednesday	23rd July	1pm	Hot/sunny
Traffic counts	Systematic	Thursday/Friday/ Saturday	24th/25th/ 26th July	10 mins a time at 8.30 am and 1.30 pm	Hot/sunny

I have used several methods for gathering my data; I have made it this way to be as fair as possible. My research shows that Ringmer will probably need a bypass whether the people think it's a good idea or not because the traffic is very bad. Traffic is especially bad in the mornings. I have tested the traffic at 2 sites, one at the roundabout at 1 end of Ringmer and one at the other end of Ringmer just before you get to Lewis at the chalk pits. I chose a random method for my questionnaires so there could be a large mix of results I could look at. I chose a biased method for interviewing landowners because it was necessary for talking to the right people who own the land surrounding Ringmer. And I chose a systematic method for the traffic counts to ensure it was fair. From the questionnaires I hope to find out what the people of Ringmer think about having a bypass and how bad they think the traffic really is. From the landowners I need to find out if they would be prepared to sell some of their land so a bypass could be put in. From the traffic counts I need to find out how much traffic really does go through Ringmer at rush hour and at another time of the day.

Possible problems I could have encountered were that the whether could have been awful and not many people would be out on the roads, we may have forgotten about doing the traffic count at a time and then be late. I may not of been able to get hold of the land owners. An accident may have occurred on the road and caused a jam during my count which would have affected my results. Not many people may have been bothered to do the questionnaires. To collect the traffic data we had to have 2 people doing it- 1 at each site. Luckily nothing went wrong when I was collecting data so I believe I have some accurate results.

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Data Processing

Basic data

Site A- time 8.30 am

Vehicle:	Car	Bike	Bus	Lorry	Van	Other
Tally						

Site A- time 1.30 pm

Vehicle:	Car	Bike	Bus	Lorry	Van	Other
Tally						

Site B- time 8.30 am

Vehicle:	Car	Bike	Bus	Lorry	Van	Other
Tally						

Site B- time 1.30 pm

Vehicle:	Car	Bike	Bus	Lorry	Van	Other
Tally						

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Data Presentation

I used the tally charts just to collect my data, now I am going to display the data from my questionnaires, interviews and traffic counts in many ways. I have used these pie charts (Below) to demonstrate the percentage of different vehicles that come through Ringmer at different times of the day and then an all together percentage of the vehicles that come through Ringmer at any time.

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Data Presentation

Here I have used a bar chart to show the exact numbers of different vehicle types that pass through Ringmer, I used this because you can also see the relation of exactly how many there are rather than the pie chart which shows the vehicles in proportion to each other. I have done this 1 chart to account for all of the traffic counts and times, so these results are from both sites at both times from all the days.

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Data Presentation

Here I have used a line graph to show the relation of the number of vehicles with the time of day and the place. I have used this because it is an effective way to display how much traffi c there is at different places and on different days. I have done this with the total number of all the vehicles added together on a single count at 1 location e.g. I have counted all vehicles on day 1 at site A at 8.30 - that would be 1 point on my graph.

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Data Presentation

This displays where I think the bad traffic jams are, the green areas are the sections that are clear and the red are bad congestion spots, the blue star just indicates the middle of the road section. This wasn't intended as part of my research but it is just something we noticed whilst doing the traffic counts. I think this could prove useful as to where the new bypass route should go, and what other roads the byp ass could be linked to, to stop traffic jams. The Diagrams below show some of the possible bypass routes that we suggested in the questionnaire, the number next to it represents how many people chose that route.

Data Presentation

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I have used this spike graph to show how many people think that having a bypass is a good idea, it also shows the landowners opinion on the bypass. The spike graph is an effective way of showing the data as it can be read easily.

Data Interpretation

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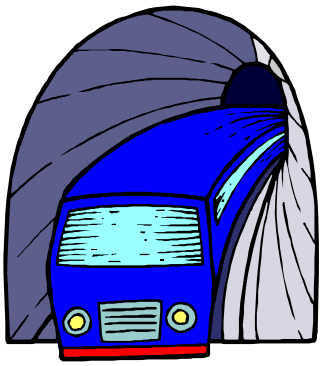
From the data I collected I have found that more people In Ringmer do want to have a bypass put in, however the landowners are not to happy about it, they do not want their land ruined by the bypass and they aren't prepared to sell their land. You can see this from the spike graph on page _. The traffic data that I collected displayed on pages _ -_ shows that Ringmer could do with a bypass and that one should really be put in. I have found that early in the mornings, during the week the traffic is very bad, high levels of cars come through and cause jams, they occur in rush hour, when people are doing the school run and are going to work. Mostly the vehicles that come through Ringmer are cars and vans.
On Saturdays the traffic is low in the mornings and is much higher in the afternoons. In my personal opinion I think that Ringmer does need or at least is going to need a bypass installed soon because the amount of traffic is very high during the week. I also think a bypass would be a good idea because lots of children have to cross the road to get to school each day. I think the problem would also be partly solved if Ringmer had more public transport like more busses, and a train station.



Conclusion

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I started my enquiry is situated in Ringmer and it is to do with Ringmer needing a bypass, I aimed to find out if this small village needed a bypass because I had noticed that there was a lot of traffic in the area on the main road leading into Lewes. I used questionnaires and I interviewed people to find out if they thought a bypass would be a good idea and a friend and I counted some traffic to provide data on how much the road really is used.

- Ringmer does/will need a bypass within the next few years.
- The amounts of traffic in the mornings are very large.
- Landowners do not want to sell their land for a bypass.
- The people of Ringmer think a bypass is a good idea.
- The road divides the community.
- The road is dangerous for children crossing it to get to school.

My hypothesis was correct, I had a feeling that Ringmer had a lot of traffic flowing through it, especially in the mornings. My hypothesis was correct because the amount of traffic going through Ringmer is too high and the people of Ringmer think that a bypass would be a good idea, unfortunately the landowners are not prepared to sell the land. I think that this system for researching whether a bypass is required in a small village would work elsewhere e.g. Laughton. I think that I made the results I got as accurate as possible.

Evaluation

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I think that the enquiry topic I chose was a good one because I have used many ways for researching the project and their were plenty of results for me to analyse.
My research went well because the weather was good for doing the traffic counts, this made the results fair, also I did it over 3 days and had 1 day on a weekend and the other 2 during the week, I could of improved that by doing it for 2 weeks running, or doing the counts when it was wet as well to see if anything was massively different. I had plenty of people answering my questionnaires; this gave me a large variety of results, which was good for me to process. However my interviews didn't go very well with the landowners because they were busy and didn't have much time to think about the questions I was asking them. I think that my sample area was large enough for this enquiry and I think I chose a good location to send out my questionnaires because I got most of them back. There was no way I could overcome the problems with the landowners but I don't think it has affected my results much anyway.
I think that my results are all reliable except for the interviews with the landowners because they weren't really very interested in answering the questions. I think that my traffic results are pretty accurate because I tested it in 2 places and on different days, also at different times so I got a good range of data. I think that the landowners not paying much attention to the questions might of effected the results a bit but not much. I don't think others would of interpreted the results differently to me.
The conclusions I came up with, I personally think are very good but possibly biased towards my opinion. I could have asked other people with different opinions what they thought of the bypass and my conclusions to see if they would of made any different conclusions from the data I gathered. I could have had conclusions whereby there may be no need for a bypass as there wasn't enough traffic to need 1, that's if the research was done differently to the way I did it. I think that generally the enquiry went well, just the landowners not paying much attention to the questions I asked them was the only problem, this could have affected my results and conclusions, also my conclusions could be biased because of my opinion. If I did it again then I would give the landowners more time to answer my questions and I would get more people with different opinions to interpret my data that I gathered.