

‘Travelling Together’: Disability Inclusive Road Development in Papua New Guinea

RESEARCH PROTOCOL



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FACULTY OF
ARCHITECTURE
BUILDING &
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PNG Assembly of
Disabled Persons



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Aim of the study protocol

We are trying to improve access to Papua New Guinea roads for people with disabilities, and for all residents. We also want to improve inclusion of people with disabilities in the process of designing and improving roads.

We want to make sure that everyone who works on this project gets the same information. We went to make sure that people with disabilities give as much information as possible to this project.

Overview

There will be a total of five sites:

- Two rural sites and one urban site with recently completed roads (roads completed in the past five years)
- One rural and one urban road that is in the process of being planned

A “site” is a section of road which you will identify in consultation with the PNG Research Officer. You should choose a section of road near where people with disabilities live (e.g. near houses, schools, markets). You will refer to this section of road when conducting research activities with road decision-makers and people with disabilities.

The data collection will be accomplished by a team of two people, who will report to the PNG Research Officer.

In this research, a **person with disabilities** is someone who has difficulty, for more than 6 months,

- seeing, even if wearing glasses OR
- hearing, even if using a hearing aid OR
- walking or climbing steps OR
- remembering or concentrating OR
- has difficulty with caring for his or her self, such as washing all over or dressing OR
- has difficulty understanding or being understood in their usual language

In this research, a **road decision-maker** may be an engineer or planner working for the local, state, or national government, and village or neighbourhood politicians.

1. In the first visit, you will interview road decision-makers.
2. In the second visit, you will conduct at least one group discussion. You will find approximately 20 people with disabilities who live in the area of your selected section of road. You can get help doing this from village leaders and from other disability organizations. You will ask the group discussion questions, organise the “moveabout” and then hand out the disposable camera and instructions. You may need to have more than one group discussion. You may wish to have a separate group discussion for children with disabilities and their parents, men and women with disabilities, or for the villages which are far apart.

3. In the third visit, approximately one week later, you will participate in a “moveabout”, and collect the camera. Again, you may need to have more than one “moveabout”, depending on how many groups you have.
4. In the fourth visit, approximately two weeks after that, you will return to the site. You will return with the pictures and create a poster from the pictures with the group.
5. In the fifth and final visit, you return the original poster to the people and thank them no more than two weeks after the last visit.

Please give a Project Flyer to people who are enquiring about the project. This may be local leaders, organisations, media and other individuals. You will need to get signed Permission Form from everyone who participates in interviews, group discussions, “moveabouts” or poster activities. These same participants should also receive an Information Sheet to keep.

Step one: Interview with road decision-makers

You should identify two **road decision-makers** who are willing to participate in an interview about the roads and people with disabilities. Ideally, one would be a local politician and one would be a local planner or engineer. Meet them in a quiet place at an agreed time. The interview will take approximately 30 minutes.

Before commencing the interview:

- Thank them for agreeing to participate
- Briefly explain the project to them
- Provide them with an Information Sheet for Potential Participants to keep
- Explain the Permission Form to them

This is a Permission Form. If you sign it:

1. You give permission to participate in this interview
 2. You have been given an information sheet
 3. You know that I will keep this consent form
 4. Interview will be used for research
 5. You can change your mind up until we produce the report for the project
 6. We won't use your name, but it might be possible to guess your name
 7. We would like to audio record the interview
 8. Your name won't be used in publications
 9. If you like, we can send you a copy of the report
 10. Please check the boxes at the bottom, sign and date
- Ask them to check the boxes at the bottom of the permission form, sign and date.

You should keep this form.

You are now ready to start the interview.

One data collector should ask questions and the other should take notes. You can record their answers in the Form for Interviews with Road Decision-makers.



THE UNIVERSITY OF
MELBOURNE

Information sheet for road decision-makers participating in the research project

Research Project: Improving access for people with disabilities through inclusive infrastructure development in rural and urban PNG

We are from PNG Assembly of Disabled Persons.

In partnership with Cardno Emerging Markets (Australia), Divine Word University and the University of Melbourne (Australia), we are undertaking a study for research purposes to determine how people with disabilities are participating in road planning in PNG and how roads are impacting on their lives.

We would like to invite you to participate in a confidential interview. The purpose of this interview is to collect information on the way roads are used in your community, how they are planned and what changes new roads have made or will make in your community or province.

The interview will be conducted by a member of the research team and will take approximately 30 minutes.

The findings from this study will be used to develop guidelines on disability inclusion in road planning and development in PNG, and there will be tools and trainings developed for road and disability stakeholders.

The findings will also be included in a research report and may be published at a later date. You are also welcome to receive a copy of the research report once complete.

Participation in this interview is voluntary. If you decide to participate, you are also free to change your mind and withdraw from the interview at any stage. If you decide not to participate or choose to withdraw from the interview, you will not be disadvantaged in any way, and we will not use any of the information provided by you if the project remains incomplete.

With your permission, we would like to audio taped the interview to ensure that we make an accurate record. We try to keep your responses anonymous and confidential. Your name and contact details will be kept separate from any information from interviews and we will remove any references which might allow someone to guess your identity. The findings from this interview will be combined with findings from other interviews, as well as findings from research with people with disabilities. However, as we are only interviewing a small number of road decision-makers, it is possible that someone may still identify you. We will store the recordings and notes from these research activities for 5 years in the University of Melbourne, after which they will be destroyed.

This project has been approved by the Health Sciences Human Research Ethics Committee (HREC) at the University of Melbourne in Australia. If you would like to contact the HREC, please contact the Executive Officer, Human Research Ethics, University of Melbourne on phone: +61 83442073 or fax: +61 93476739. If you would like to speak to someone locally about the conduct of this study, please contact Ipul Powaseu (Research Officer) on +675 72153047.

Thank you for your time.

[Insert your name and contact phone numbers here]

Principal Investigator:

Associate Professor Carolyn Whitzman, Faculty of Architecture, Building and Planning, University of Melbourne:

whitzman@unimelb.edu.au

Other researchers:

Ms Emma Pearce, Nossal Institute for Global Health, University of Melbourne: epearce@cbm.org.au

Ms Melissa MacDonald, Nossal Institute for Global Health, University of Melbourne: mamac@unimelb.edu.au

Dr.P.R.Karthikeyan, Divine Word University: prkarthi@dwu.ac.pg

Ms Kate McCubbin, Cardno Emerging Markets (Australia): Kate.McCubbin@cardno.com

Project HREC title: Improving access for people with disability through inclusive infrastructure development in rural and urban PNG

Project HREC number: 1034495.1 Date: 30.01.2011. Version 1



THE UNIVERSITY OF
MELBOURNE

Permission form for road decision makers participating in the research project

PROJECT TITLE: Improving access for people with disabilities through inclusive infrastructure development in rural and urban PNG

This is a study for research purposes to determine how people with disabilities are participating in road planning in PNG and how roads are impacting on their lives. It is being undertaken by Associate Professor Carolyn Whitzman, Ms Emma Pearce from University of Melbourne, Ms Ipul Powaseu from PNG Assembly of Disabled Persons, Dr.P.R.Karthikeyan from Divine Word University and Ms Kate McCubbin from Cardno Emerging Markets.

Name of participant:

Name of data collector(s):

1. I give my permission to participate in this research project.
2. The details of the project have been explained to me, and I have been provided with an information sheet to keep.
3. I understand that the researchers will keep the consent form after I sign it.
4. I understand that I will be interviewed by the researcher.
5. I agree that the researcher may use the results of my interview as described in the information sheet.
6. I know that my participation is voluntary and I can change my mind at any time. I don't have to explain why I have changed my mind and the researchers will remove all the information provided by me, as long as the project is incomplete.
7. I know that my interview responses will be kept anonymous and confidential, but there are a small number of interviews which means some people may guess my identity.
8. With my permission the interview will be audio taped and I understand that the recordings will be stored at University of Melbourne and will be destroyed after five years.
9. I have been advised that my name will not be used in any reports or publications arising from the research.
10. A copy of the research findings will be forwarded to me upon my request.

I consent to this *interview* being audio-taped Yes No

I wish to receive a copy of the summary project report on research findings Yes No

Participant signature: Date:

Interview form

Participant's name: _____

Participant's village and province: _____

Section of road: _____

Is the road in planning or completed? _____

Interview Questions

1. What is your position? _____

2. How long have you been in this position? _____ years

3. How long have you lived here? _____ years

4. If the road is completed, when was it completed? _____ years

5. If the road is in planning, when will it be complete? _____ years

6. Is there current or planned maintenance work on the road? Please describe.

7. Who uses the road and for what type of activities? _____

8. If a typical person in your village/town/city/neighbourhood wanted to travel to the nearest urban centre or large town, what is the primary travel mode they would use? (e.g. Walk, PMV, bicycle, motorbike, private car, boat, airplane)

9. Have you seen people with disabilities using this road? If so, what types of disabilities and for what activities? _____

10. Do you know how many people in your village/town/city neighbourhood have disabilities? (If yes, how many and what types of disabilities) _____

11. When planning the road, who is involved in making decisions about:

a. Where the road is placed: _____

b. Road size/width (number of lanes): _____

c. Pedestrian crossings (where people should cross the road): _____

d. Footpaths (or how people should walk alongside the road): _____

e. Traffic control, like stop signs, speed limits, or speed bumps: _____

f. Special considerations for people with disabilities, like ramps and seating: _____

12. How are different aspects of the road funded? Who makes decisions about funding these aspects of the road? _____

13. Have there been any accidents or injuries because of the road? If so, approximately how many per year? _____

14. Do you know if any accidents have involved people with disabilities? _____

15. ~~If the road is completed, have any of the following changed since the road was developed? OR~~

~~If the road is under planning, do you expect any of the following to change once the road is developed?~~

~~a. Price of food (higher or lower): _____~~

~~b. Household incomes (higher or lower): _____~~

~~c. Price of non-food items like clothes (higher or lower): _____~~

~~d. Price of building materials (higher or lower): _____~~

~~e. Number of people working outside the village/town/city neighbourhood (more or fewer):~~

~~_____~~

~~f. Number of people accessing clinics and hospitals outside the village/town/city neighbourhood (more or fewer): _____~~

g. ~~Frequency of trips outside the village/town/city neighbourhood (more or fewer):~~

h. ~~Other changes (Please describe):~~ _____

16. Do you share information on road planning with people in the area? How?

a. Community meetings: _____

b. Local newspaper: _____

c. Other _____

17. Is there anyone else who you think we should speak to?

18. Do you have any other comments or information which you would like to share?

—
Thank you for your participation in this interview. We will be analysing all the findings from this research early next year and can give you an update at that stage. We can also send you a copy of the research report at the end of the project in 2013.

Step Two: Preparing for activities with people with disabilities

Through Disabled People's Organisations, self help groups, community leaders and other sources, you should find up to 20 people with disabilities who live along the section of road and are able to participate in the project. You should try to get an equal number of women and men. You should try to get at least four people between ages 15-25, because there are so many young people in PNG. People under the age of 18 years can participate with permission from their parents or guardians.

Raise awareness in the community about the project by talking with the community leaders. Identify community meeting and other activities which you will not want to disturb. Identify key contact people to refer to throughout your activities with people with disabilities. Complete the Key Contacts and Community Information Form to ensure you have all the necessary information.

Step 3: Group discussions with people with disabilities & give cameras

You may need to set up several meetings and group discussion. For instance, if people have an intellectual disability (have difficulty remembering or learning things), you may want to meet with them and/or their carers separately. If you have people with hearing impairment, you may need to hire an interpreter (there are funds for this). You may want women and men to meet separately, or have a group of young people meet separately. You may need to meet in two separate villages. The group discussion should have no fewer than four and no more than 12 people.

You need to locate a place for the group discussions where people can meet around a table or floor (not a class room unless the chairs can be moved into a circle). The group discussion will take 2-3 hours.

Please contact each person and tell them of the date you are coming. Ask them if they can meet you at the venue for the group discussion. Ask them if they know other people with disabilities in the area and if so, get their telephone number or address.

No later than a week before the group discussion, confirm the location and then phone all people to confirm that they are coming.

Arrive early to the place for the group discussions. Set up the venue with chairs or space for people to sit.

You will also need:

- Voice recorder and spare batteries
- Your camera and spare batteries
- Flip chart paper, coloured pens and stickers for the map
- People with disabilities contact list
- Information sheets for people with disabilities
- Permission forms for people with disabilities
- Name tags
- Disposable camera and labels to give out at the end of the group discussion
- Refreshments, such as soft drink, juice or biscuits

People with disabilities can participate independently, with support from someone they trust or they can appoint someone to participate on their behalf. You should get permission from the parents or guardians of people with disabilities under the age of 18 years.

With each participant, and if appropriate their carer or guardian:

- Thank them for agreeing to participate.
- Briefly explain the project to them.
- Record their details on the contact list.
- Provide them with an Information Sheet for Potential Participants (Attachment 4) to keep.

- Read out the Permission Form (Attachment 5) and tick each box as you read it. You can read this form in the local language, reword and answer questions to ensure the participants understand.
- Ask the participant, and if appropriate parent to sign and date the form. You should keep this form.
- Label a camera with their name to give them at the end of the group discussion.



Information sheet for people with disabilities participating in the research project

Research Project: Improving access for people with disabilities through inclusive infrastructure development in rural and urban PNG

We are from PNG Assembly of Disabled Persons (PNGADP).

In partnership with Cardno Emerging Markets (Australia), Divine Word University and the University of Melbourne (Australia), we are undertaking a study for research purposes to determine how people with disabilities are participating in road planning in PNG and how roads are impacting on their lives.

We would like to invite you to participate in this research project. We invite you to participate in a number of activities over the next four weeks including group discussions, a group walk around your community, taking photographs with a camera (which we will provide you), and making a poster out of these photos. A member of the research team will visit this village on four separate occasions to run these activities.

Participants will meet the researcher at [insert meeting point here]. Group discussions will take no longer than 2-3 hours; the walk will be no longer than 90 minutes; participants will have the camera for a whole week to take photos during their daily activities; and finally making the poster will take approximately 1 hour.

These activities will provide information about how people with disabilities currently use roads in your community and the things they like and dislike about the roads and other infrastructure.

The findings from this study will be used to develop guidelines on disability inclusion in road planning and development in PNG, and there will be tools and trainings developed for road and disability stakeholders.

The findings will also be included in a research report and may be published at a later date. Participants will receive a copy of the poster at the end of the study, and you are welcome to receive a copy of the research report once complete.

Participation in this study is voluntary. If you decide to participate, you can do so independently, with support from your parent or guardian, or your parent or guardian could participate on your behalf. If you decide to participate, you are also free to withdraw from the research activities at any stage. If you decide not to participate or choose to withdraw from the study, you will not be disadvantaged in any way and will still have the same access to all the services and support of PNGADP.

You will be able to participate in the group walk using your own way of moving. There may be vehicles and obstacles encountered on the walk. Different routes for the group walk will be discussed with participants and researchers will clearly explain the procedures in order to minimise any potential risks in the environment during the walk. Researchers can refer you to other organisations for available follow-up or services upon your request.

Group discussions will be audio recorded to ensure that we make an accurate record. Your name and contact details will be kept separate from any information supplied in the study and we will remove any references which might allow someone to guess your identity. The findings from these research activities will be combined with findings from other communities, as well as findings from research with road decision-makers. We will store the recordings and notes from these research activities for 5 years in the University of Melbourne, after which they will be destroyed.

This project has been approved by the Health Sciences Human Research Ethics Committee (HREC) at the University of Melbourne in Australia. If you would like to contact the HREC, please contact the Executive Officer, Human Research Ethics, University of Melbourne on phone: +61 83442073 or fax: +61 93476739. Alternatively, you can contact Tony Kevi (PNG Assembly of Disabled Persons) on +675 71519070 if you would like to speak to someone locally about this study.

Thank you for your time.

[Insert your name and contact phone numbers here]

Principal Investigator:

Associate Professor Carolyn Whitzman, Faculty of Architecture, Building and Planning, University of Melbourne:

whitzman@unimelb.edu.au

Other researchers:

Ms Emma Pearce, Nossal Institute for Global Health, University of Melbourne: epearce@cbm.org.au

Ms Melissa MacDonald, Nossal Institute for Global Health, University of Melbourne: mamac@unimelb.edu.au

Dr.P.R.Karthikeyan, Divine Word University: prkarthi@dwu.ac.pg

Ms Kate McCubbin, Cardno Emerging Markets (Australia): Kate.McCubbin@cardno.com

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Name of participant:

Name of data collector(s):

Information to be communicated

Tick to indicate that information has been communicated

My name isWe are researching how people with disabilities are participating in road planning and how the roads are impacting their lives.

We would like you to participate in several activities including group discussions, a walk around your community, taking photographs using a camera, and making a poster with the photos. These activities will take approximately 5-6 hours of your time over the next four weeks.

If you decide to participate, you can participate on your own, with support from someone you trust, or you can ask your parent or guardian to participate instead of you.

You are free to withdraw from this study at any time.

Group discussions will be recorded on an audio tape which will be kept with our research notes at the University of Melbourne for the next 5 years. Your name and other personal details will be kept separate to the tape and other notes. You will not be identified in any reports.

You will not be disadvantaged in any way, if you decide **not** to participate in the study.

Here is an information sheet about the project with our contact details for you to keep.

Are you willing to participate in this study?

Yes **No**

Yes with support **Yes parent/guardian to complete**

Are you willing to have your photograph taken and used for teaching or publications? **Yes** **No**

Signature of participant: Date:

Signature of parent/guardian (as required): Date:

Data collectors should decide who will be taking notes and who will be asking questions.

The data collector asking questions should encourage every person to speak and be sure that one or two people do not dominate the discussion. Be careful not to introduce your own opinion and let the participants speak for themselves. Remember that some people may require time and repetition to understand the questions. Others may require time for translation.

The data collector taking notes needs to listen carefully. Ask if you don't hear something or need something to be repeated.

The data collector asking questions should also encourage people to identify different places on a hand drawn map of the road section throughout the discussion. The map could be drawn by yourselves before the group discussion, or you might ask the participants to draw it themselves at the beginning. The map is a tool to stimulate discussion and it does not need to be accurate. You can also encourage people, particularly children, to be creative drawing things they like and dislike on different parts of the map. You can also use stickers and dymotape to allow people with visual impairments to participate in this activity. There should be 10 minutes at the beginning of the meeting for people to informally talk. This is a good time to serve juice and refreshments and to give everyone their name tags.

Group Discussion Form

Name of Data Collectors: _____

Site: _____

Date: _____

Thank all participants for agreeing to participate. Data collectors and participants introduce themselves one-by-one. Introduce the project and activities to the whole group. Explain what will happen today:

- Today, we will ask some questions about your typical day and your community. Everyone will be given a chance to speak.
- There are no right and wrong answers.
- After we ask the questions, we will give you a camera and instructions for using the camera.

Establish ground rules with participants:

- “Agree to disagree” and respect each other’s opinions.
- Don’t use bad language.
- Keep information about each other private.

1. Can you show me on the map where you live? (Mark on map)

2. How long have you lived in this village?

3. What kinds of things do you like about where you live? (Mark on map)

4. What kinds of things do you dislike about where you live? (Mark on map)

5. Do you attend school? How do you get to school? (Mark on map)

6. Do you work, whether you are paid money or not (including gardening and other unpaid work)? If so, can you show me where you work? What kinds of work do you do? (Mark on map)

7. Do you have home duties (fetching water or firewood, taking care of children or older relatives)? What kinds of duties?

8. Do you go to a trade store or canteen to buy things for your family? Which trade store or canteens and what do you buy?

9. Do you go to a doctor, nurse, or other health worker regularly? If so, can you show me where you go? What kinds of health issues bring you to a health worker?

10. Do you have family and friends in your village or area you regularly visit (once a month or more)? If so, where do they live?

11. What do you do when you are not at home, or school, or work, or doing other duties – your 'free time'? Where do you go?

12. What is your favourite place in this village/ area to go to? Why?

13. Now we are going to ask about how you get from home to work, school, trade store or canteens, friends, family, and 'free time' places. Are there particular routes you like to take? Why?

14. Please say whether you agree or disagree with these statements and why:

a. I can easily access the road from where I live.

Agree / Disagree _____

b. I feel safe crossing the road.

Agree / Disagree _____

c. I feel safe walking/moving along the road.

Agree / Disagree _____

d. I think the traffic on the road moves too fast.

Agree / Disagree _____

e. I feel that I have adequate space to walk/move along the footpaths along the road.

Agree / Disagree _____

f. The road has improved my ability to access neighboring towns and villages.

Agree / Disagree _____

g. The road has improved my ability to access work/school.

Agree / Disagree _____

h. I believe the road design incorporates features that meet my special needs.

22. Next visit, we would like to run a “Moveabout” activity. This involves a group walk along a short section of this road to identify things we like and dislike, and changes we might be able to suggest. Which part of the road should we do our “Moveabout” along?

23. Thank you for your help! Is there anything else we should have asked or any other information you would like to give us?

Give out the cameras to each participant and explain:

- This camera can only be used once.
- It can take up to 36 pictures.
- We would like you to take pictures of places you go to and routes you take to go to these places. We would like you to take pictures of places you like and dislike and tell us why you like or dislike them.
- You can also take 1 or 2 pictures of your family and friends and have someone take 1 or 2 pictures of you.
- You should bring the camera back to us at the next visit in one week so that we can develop the photos for you.

Answer any questions. Make sure that everyone has your contact details and that they know where and when to meet for the “moveabout”. Thank everyone for their participation.

Step 4: “Moveabout” with people with disabilities & collect cameras

Select the section of road for the “moveabout” based on the suggestions of participants and your visits to the road site. You may need to set up several “moveabouts” on different sections of the road or involving different groups of people. For instance, if people have an intellectual disability (have difficulty remembering or learning things), you may want to do the activity with them and/or their carers separately. You may want women and men to do the activity separately, or have a group of young people. You may need to hire an interpreter (there are funds for this) for people with hearing impairments, and transportation to get to and from the “moveabout site”.

A single group for the “moveabout” should have no more than 8 people, or it will be difficult to keep everyone together.

You will need to bring on the “moveabout”:

- A camera and spare batteries
- A bag or backpack for the disposable cameras
- Mobile phone with enough top-up
- Name tags
- Some water and a few biscuits in case anyone feels sick
- An umbrella or jacket in case it starts to rain
- People with Disabilities Contact List, extra Information Sheets and Permission Forms for People with Disabilities, and the “Moveabout” Form

You should also have refreshments, such water, juice and biscuits, for after the “moveabout” is finished.

Data collectors should decide who will be asking questions, taking notes and photos. You should also decide how you will manage the safety of group while moving along the road.

Ask all participants to meet in one location. This may be at the start of the “moveabout” site or in the village.

Organise transportation for the participants to the start of the “moveabout” if necessary.

When all participants have gathered, make a record of who is present of the People with Disabilities Contact List. Any new participants (i.e. those not involved in the group discussion) need to be given an Information Sheet for People with Disabilities and complete a Permission Form for People with Disabilities.

Collect up disposable cameras from the participants. If some have not yet taken all their photos, they can use it while on the “moveabout” and you can collect it after.

Explain the purpose of the “moveabout” which is for people with disabilities to show the Data Collectors what they like and dislike about this part of the road. There may be problems with lots of traffic, problems with crime, problems with being able to see ahead, problems with crossing the road, problems with how well looked after the road is. People should also suggest improvements or ideas: where there should be crossings, traffic lights, stop signs, speed bumps, street lights, or trade store or canteens.

You are now ready to start the “moveabout” which should not take longer than 90 minutes.

“Moveabout” Form

Name of Data Collectors: _____

Site: _____

Date: _____

Thank all participants for agreeing to participate. Data collectors and participants introduce themselves one-by-one. Introduce the project and activities to the whole group. Explain what will happen today:

- Today we will be doing an activity called the “moveabout”.

- We will be moving along a short section of this road, so that you can show us what you like and dislike about this part of the road. There may be problems with lots of traffic, problems with crime, problems with being able to see ahead, problems with crossing the road, problems with how well looked after the road is. People should also suggest improvements or ideas, such as where there should be crossings, traffic lights, stop signs, speed bumps, street lights, or trade store or canteens.

- Please stay as a group and stay on the side of the road.

- Please do not walk on the road.

- If you feel tired or unwell, please tell us and we will arrange some transport for you to return to our meeting point.

- Everyone will be given a chance to speak and there are no right and wrong answers.

Establish ground rules with participants:

- “Agree to disagree” and respect each other’s opinions.

- Don’t use bad language.

- Keep information about each other private.

1. Why do people use the road (e.g. to get to school, work, trade store or canteens, friends)?

2. Where do you cross the road? Why do you cross there?

--

3. What kinds of good and bad experiences have you had using this road?

4. Is there a lot of traffic? How many cars, trucks and other motor vehicles (eg., motor bikes) are there passing by now?

5. Are there any street lights? If they get broken, do they get replaced quickly?

6. Are there signs showing you where to go?

7. Are there footpaths? Is it well-maintained? Are there lots of cracks or obstructions?

8. Is it easy to get onto the road with a wheelchair or a pram? Why? Why not?

9. Is there a lot of rubbish around? Are there rubbish bins?

10. Is the road well maintained? Are there lots of cracks or obstructions on the road?

11. Are there lots of people around? Are there equal numbers of men and women, or more of one or the other? Are there children playing near the road?

12. Are there owners of trade stores or other people informally keeping an eye on what is going on?

13. Are there abandoned buildings or other unsafe places near the road?

14. Are there good things like benches, shade, or interesting things to see along the road?

15. What ideas do you have for improving the road?

16. Any other comments or information....

Ensure that all participants return to the meeting point safely. Set up somewhere to rest, and provide refreshments such as water, juice and biscuits. Collect up any remaining disposable cameras. Answer any questions participants may have. Make sure that everyone has your contact details and that they know where and when to meet for the poster activity. Thank everyone for their participation.

Develop photos as soon as possible as instructed by the PNG Research Officer. Ensure that each participant's photos are kept in separate envelopes with their name on it for the next activity.

Step 5: Making posters

Have the photos taken by the participants developed and labelled in an envelope with their name. You need to locate a place for the poster activity where people can meet around a table or floor (not a class room unless the chairs can be moved into a circle). This activity will take approximately 1 hour.

People can make their own individual posters or a group poster with the photos. For instance, if people have an intellectual disability (have difficulty remembering or learning things), you may want them and/or their carers to do their own poster, but children may prefer to make a group poster. If you have people with hearing impairments, you may need to hire an interpreter (there are funds for this).

You will need to bring to the poster making activity:

- The developed photos for each participant in separate envelopes
- Voice recorder and spare batteries
- Your camera and spare batteries
- A3 size paper, coloured pens and glue
- People with Disabilities Contact List, Information Sheets and Permission Forms for People with Disabilities, and the Poster Form
- Name tags
- Refreshments, such as soft drink, juice or biscuits

When all participants have gathered, make a record of who is present on the People with Disabilities Contact List. Any new participants (i.e. those not involved in the group discussion and “moveabout”) need to be given an Information Sheet for People with Disabilities and complete a Permission Form for People with Disabilities.

Explain the purpose of the poster activity:

- To create posters out of the photographs. People will arrange the photographs and write something next to the photographs of why they like and dislike the places.
- The posters will be taken away by the data collectors to be copied and then returned to participants at the next visit.

Distribute the photographs to each participant and give them two pieces of paper. Each participant should have space to lay out their photographs and their paper on a hard surface (a table or a hard floor).

Data collectors or participants write their name and ‘places I like’ on the top of one piece of paper, and their name and ‘places I dislike’ on the top of another piece of paper. Participants should then separate their photos onto each of these pieces of paper appropriately.

Data Collectors should ask each person to explain one photo which they like, and one they dislike, and why. Write any interesting stories or information in the Poster Form.

Participants can then stick these photos on the paper and Data Collectors help them write a few words around the photos.

When the posters are ready, take a photo of each poster for back-up. Collect the markers, glue sticks, and most importantly, all ‘posters’. Make sure each poster has the person’s name on it.

Thank people for participation in the project. Invite them to have some refreshments. Arrange a time and place to meet them again to return the posters and give them some more information on the project.

Step 6: Returning the poster

As soon as possible after the activity, take two colour photocopies of each poster. Send one photocopy to the Research Officer, and email the photographs of the poster to Research Officer. Keep the other photocopy in a safe place.

Then bring the original posters back to the person with disabilities with a thank you letter signed by both Data Collectors. Answer any questions which participants have, and explain that you will keep them updated on the progress of the research.

Give another thank you note to whoever provided the space to meet in the community and to any people who helped with your research work.

Make sure that all participants, and the village leaders, have your contact phone number for any questions which they may have in the future.

Looking after the information

After each activity, review your notes and listen to any voice recordings. Add anything which you may have missed to the forms. Photocopy all completed forms, including Permission Forms, and keep somewhere safe in your house or office. Keep originals and photocopies in separate places. When all activities are complete, you will have to give the following to the PNG Research Officer:

- The original completed forms:
 - Permission Forms for Road Decision-makers
 - Interview Forms
 - People with Disabilities Contact List
 - Permission Forms for People with Disabilities
 - Group Discussion Forms
 - "Moveabout" Forms
 - Poster Forms
- A photocopy of each poster
- The voice recorder

Fact sheet

Disability in PNG

- GoPNG refers to international research in the National Policy on Disability which estimates 10-15% of the population are living with a disability.
- Most common impairment is difficulty moving, followed by difficulty seeing and then difficulty hearing. Most people with disabilities also report experiencing more than one type of impairment.
- Causes of disability are disease, accidents and aging. In Goroka, some disabilities are caused by domestic violence and fights.
- A quarter of people with disabilities living in rural areas and a half living in urban areas complete secondary schooling.

Convention on the Rights of Persons with Disabilities

- The GoPNG have signed the CRPD
- Article 9 on Accessibility requires the Government to identify and eliminate barriers to roads.
- Article 32 on International Cooperation requires that people with disabilities participate in, as well as benefit from, development processes.

Roads in PNG

- Many people in PNG (35% of the population) live a long distance from a major road which will link them to a large town.
- National roads are under the coordination and management of the national government, and feeder roads under the local level government responsibility.
- Most major roads (85%) are impassable during the wet seasons.
- The Australian Government and the World Bank are supporting the GoPNG to improve the roads.

Government policies

- The objective of the PNG National Policy and Action Plan on Disability is to create a barrier free physical and social environment for all. The GoPNG recognizes that “inaccessibility to the built environment is still a major barrier, which prevents people with disabilities from actively participating in social and economic activities.

- The GoPNG Medium Term Development Strategy 2005 – 2010 mentions road maintenance as a one of seven priority areas.
- The National Transport Development Plan 2006 – 2010 identifies the national roads for development.
- The Department of Works Corporate Plan 2009-2012 has identified a need to improve engagement with communities and key stakeholders.

Documents and Forms for Photocopying

1. Project flyer
2. Information sheet for road decision-makers participating in the project
3. Permission form for road decision makers participating in the project
4. Interview form
5. Key contacts and community information form
6. People with disabilities contact list
7. Information sheet for people with disabilities participating in the project
8. Permission form for people with disabilities participating in the project
9. Group discussion form
10. "Moveabout" form
11. Poster form

Insert project flyer here...



Information sheet for road decision-makers participating in the research project

Research Project: Improving access for people with disabilities through inclusive infrastructure development in rural and urban PNG

We are from PNG Assembly of Disabled Persons.

In partnership with Cardno Emerging Markets (Australia), Divine Word University and the University of Melbourne (Australia), we are undertaking a study for research purposes to determine how people with disabilities are participating in road planning in PNG and how roads are impacting on their lives.

We would like to invite you to participate in a confidential interview. The purpose of this interview is to collect information on the way roads are used in your community, how they are planned and what changes new roads have made or will make in your community or province.

The interview will be conducted by a member of the research team and will take approximately 30 minutes. The findings from this study will be used to develop guidelines on disability inclusion in road planning and development in PNG, and there will be tools and trainings developed for road and disability stakeholders. The findings will also be included in a research report and may be published at a later date. You are also welcome to receive a copy of the research report once complete.

Participation in this interview is voluntary. If you decide to participate, you are also free to change your mind and withdraw from the interview at any stage. If you decide not to participate or choose to withdraw from the interview, you will not be disadvantaged in any way, and we will not use any of the information provided by you if the project remains incomplete.

With your permission, we would like to audio taped the interview to ensure that we make an accurate record. We try to keep your responses anonymous and confidential. Your name and contact details will be kept separate from any information from interviews and we will remove any references which might allow someone to guess your identity. The findings from this interview will be combined with findings from other interviews, as well as findings from research with people with disabilities. However, as we are only interviewing a small number of road decision-makers, it is possible that someone may still identify you. We will store the recordings and notes from these research activities for 5 years in the University of Melbourne, after which they will be destroyed.

This project has been approved by the Health Sciences Human Research Ethics Committee (HREC) at the University of Melbourne in Australia. If you would like to contact the HREC, please contact the Executive Officer, Human Research Ethics, University of Melbourne on phone: +61 83442073 or fax: +61 93476739. If you would like to speak to someone locally about the conduct of this study, please contact Ipul Powaseu (Research Officer) on +675 72153047.

Thank you for your time.

[Insert your name and contact phone numbers here]

Principal Investigator:

Associate Professor Carolyn Whitzman, Faculty of Architecture, Building and Planning, University of Melbourne:
whitzman@unimelb.edu.au

Other researchers:

Ms Emma Pearce, Nossal Institute for Global Health, University of Melbourne: epearce@cbm.org.au

Ms Melissa MacDonald, Nossal Institute for Global Health, University of Melbourne: mamac@unimelb.edu.au

Dr.P.R.Karthikeyan, Divine Word University: prkarthi@dwu.ac.pg

Ms Kate McCubbin, Cardno Emerging Markets (Australia): Kate.McCubbin@cardno.com

Project HREC title: Improving access for people with disability through inclusive infrastructure development in rural and urban PNG

Project HREC number: 1034495.1 Date: 30.01.2011. Version 1



Permission form for road decision makers participating in the research project

PROJECT TITLE: Improving access for people with disabilities through inclusive infrastructure development in rural and urban PNG

This is a study for research purposes to determine how people with disabilities are participating in road planning in PNG and how roads are impacting on their lives. It is being undertaken by Associate Professor Carolyn Whitzman, Ms Emma Pearce from University of Melbourne, Ms Ipul Powaseu from PNG Assembly of Disabled Persons, Dr.P.R.Karthikeyan from Divine Word University and Ms Kate McCubbin from Cardno Emerging Markets.

Name of participant:

Name of data collector(s):

11. I give my permission to participate in this research project.
12. The details of the project have been explained to me, and I have been provided with an information sheet to keep.
13. I understand that the researchers will keep the consent form after I sign it.
14. I understand that I will be interviewed by the researcher.
15. I agree that the researcher may use the results of my interview as described in the information sheet.
16. I know that my participation is voluntary and I can change my mind at any time. I don't have to explain why I have changed my mind and the researchers will remove all the information provided by me, as long as the project is incomplete.
17. I know that my interview responses will be kept anonymous and confidential, but there are a small number of interviews which means some people may guess my identity.
18. With my permission the interview will be audio taped and I understand that the recordings will be stored at University of Melbourne and will be destroyed after five years.
19. I have been advised that my name will not be used in any reports or publications arising from the research.
20. A copy of the research findings will be forwarded to me upon my request.

I consent to this *interview* being audio-taped Yes No

I wish to receive a copy of the summary project report on research findings Yes No

Participant signature: Date:

Interview form

Participant's name: _____

Participant's village and province: _____

Section of road: _____

Is the road in planning or completed? _____

Interview Questions

1. What is your position? _____

2. How long have you been in this position? _____ years

3. How long have you lived here? _____ years

4. If the road is completed, when was it completed? _____ years

5. If the road is in planning, when will it be complete? _____ years

6. Is there current or planned maintenance work on the road? Please describe.

7. Who uses the road and for what type of activities? _____

8. If a typical person in your village/town/city/neighbourhood wanted to travel to the nearest urban centre or large town, what is the primary travel mode they would use? (e.g. Walk, PMV, bicycle, motorbike, private car, boat, airplane)

9. Have you seen people with disabilities using this road? If so, what types of disabilities and for what activities? _____

10. Do you know how many people in your village/town/city neighbourhood have disabilities? (If yes, how many and what types of disabilities) _____

11. When planning the road, who is involved in making decisions about:

g. Where the road is placed: _____

h. Road size/width (number of lanes): _____

i. Pedestrian crossings (where people should cross the road): _____

j. Footpaths (or how people should walk alongside the road): _____

k. Traffic control, like stop signs, speed limits, or speed bumps: _____

l. Special considerations for people with disabilities, like ramps and seating:

12. How are different aspects of the road funded? Who makes decisions about funding these aspects of the road? _____

13. Have there been any accidents or injuries because of the road? If so, approximately how many per year? _____

14. Do you know if any accidents have involved people with disabilities?

15. If the road is completed, have any of the following changed since the road was developed? OR

If the road is under planning, do you expect any of the following to change once the road is developed?

i. Price of food (higher or lower): _____

j. Household incomes (higher or lower): _____

k. Price of non-food items like clothes (higher or lower): _____

l. Price of building materials (higher or lower): _____

m. Number of people working outside the village/town/city neighbourhood (more or fewer):

n. Number of people accessing clinics and hospitals outside the village/town/city neighbourhood (more or fewer): _____

o. Frequency of trips outside the village/town/city neighbourhood (more or fewer):

p. Other changes (Please describe): _____

16. Do you share information on road planning with people in the area? How?

d. Community meetings: _____

e. Local newspaper: _____

f. Other _____

17. Is there anyone else who you think we should speak to?

18. Do you have any other comments or information which you would like to share?

—
Thank you for your participation in this interview. We will be analysing all the findings from this research early next year and can give you an update at that stage. We can also send you a copy of the research report at the end of the project in 2013.

Key contacts and community information form

Ipul Powaseu PNG Research Officer Ph: +675 72153047
My research partner Ph:
Local village leaders: _____

Village activities and meetings: _____

People to assist with transport: _____

Local police: _____

Local medical clinic or hospital: _____

Repairing aids and devices: _____

Organisations working in violence against women: _____

Organisations working in children's welfare: _____

Male DPO representative: _____

Female DPO representative: _____



Information sheet for people with disabilities participating in the research project

Research Project: Improving access for people with disabilities through inclusive infrastructure development in rural and urban PNG

We are from PNG Assembly of Disabled Persons (PNGADP).

In partnership with Cardno Emerging Markets (Australia), Divine Word University and the University of Melbourne (Australia), we are undertaking a study for research purposes to determine how people with disabilities are participating in road planning in PNG and how roads are impacting on their lives.

We would like to invite you to participate in this research project. We invite you to participate in a number of activities over the next four weeks including group discussions, a group walk around your community, taking photographs with a camera (which we will provide you), and making a poster out of these photos. A member of the research team will visit this village on four separate occasions to run these activities.

Participants will meet the researcher at [insert meeting point here]. Group discussions will take no longer than 2-3 hours; the walk will be no longer than 90 minutes; participants will have the camera for a whole week to take photos during their daily activities; and finally making the poster will take approximately 1 hour.

These activities will provide information about how people with disabilities currently use roads in your community and the things they like and dislike about the roads and other infrastructure.

The findings from this study will be used to develop guidelines on disability inclusion in road planning and development in PNG, and there will be tools and trainings developed for road and disability stakeholders.

The findings will also be included in a research report and may be published at a later date. Participants will receive a copy of the poster at the end of the study, and you are welcome to receive a copy of the research report once complete.

Participation in this study is voluntary. If you decide to participate, you can do so independently, with support from your parent or guardian, or your parent or guardian could participate on your behalf. If you decide to participate, you are also free to withdraw from the research activities at any stage. If you decide not to participate or choose to withdraw from the study, you will not be disadvantaged in any way and will still have the same access to all the services and support of PNGADP.

You will be able to participate in the group walk using your own way of moving. There may be vehicles and obstacles encountered on the walk. Different routes for the group walk will be discussed with participants and researchers will clearly explain the procedures in order to minimise any potential risks in the environment during the walk. Researchers can refer you to other organisations for available follow-up or services upon your request.

Group discussions will be audio recorded to ensure that we make an accurate record. Your name and contact details will be kept separate from any information supplied in the study and we will remove any references which might allow someone to guess your identity. The findings from these research activities will be combined with findings from other communities, as well as findings from research with road decision-makers. We will store the recordings and notes from these research activities for 5 years in the University of Melbourne, after which they will be destroyed.

This project has been approved by the Health Sciences Human Research Ethics Committee (HREC) at the University of Melbourne in Australia. If you would like to contact the HREC, please contact the Executive Officer, Human Research Ethics, University of Melbourne on phone: +61 83442073 or fax: +61 93476739. Alternatively, you can contact Tony Kevi (PNG Assembly of Disabled Persons) on +675 71519070 if you would like to speak to someone locally about this study.

Thank you for your time.

[Insert your name and contact phone numbers here]

Principal Investigator:

Associate Professor Carolyn Whitzman, Faculty of Architecture, Building and Planning, University of Melbourne:

whitzman@unimelb.edu.au

Other researchers:

Ms Emma Pearce, Nossal Institute for Global Health, University of Melbourne: epearce@cbm.org.au

Ms Melissa MacDonald, Nossal Institute for Global Health, University of Melbourne: mamac@unimelb.edu.au

Dr.P.R.Karthikeyan, Divine Word University: prkarthi@dwu.ac.pg

Ms Kate McCubbin, Cardno Emerging Markets (Australia): Kate.McCubbin@cardno.com

Project HREC title: Improving access for people with disability through inclusive infrastructure development in rural and urban PNG

Project HREC number: 1034495.1 Date: 30.01.2011. Version 1



THE UNIVERSITY OF
MELBOURNE

Permission form for people with disabilities participating in the research project

PROJECT TITLE: Improving access for people with disabilities through inclusive infrastructure development in rural and urban PNG

This is a study for research purposes to determine how people with disabilities are participating in road planning in PNG and how roads are impacting on their lives. It is being undertaken by Associate Professor Carolyn Whitzman, Ms Emma Pearce from University of Melbourne, Ms Ipul Powaseu from PNG Assembly of Disabled Persons, Dr.P.R.Karthikeyan from Divine Word University and Ms Kate McCubbin from Cardno Emerging Markets.

Name of participant:

Name of data collector(s):

Information to be communicated

Tick to indicate that information has been communicated

My name isWe are researching how people with disabilities are participating in road planning and how the roads are impacting their lives.

We would like you to participate in several activities including group discussions, a walk around your community, taking photographs using a camera, and making a poster with the photos. These activities will take approximately 5-6 hours of your time over the next four weeks.

If you decide to participate, you can participate on your own, with support from someone you trust, or you can ask your parent or guardian to participate instead of you.

You are free to withdraw from this study at any time.

Group discussions will be recorded on an audio tape which will be kept with our research notes at the University of Melbourne for the next 5 years. Your name and other personal details will be kept separate to the tape and other notes. You will not be identified in any reports.

You will not be disadvantaged in any way, if you decide **not** to participate in the study.

Here is an information sheet about the project with our contact details for you to keep.

Are you willing to participate in this study?

Yes

No

Yes with support

Yes parent/guardian to complete

Are you willing to have your photograph taken and used for teaching or publications?

Yes

No

Signature of participant:

Date:

Signature of parent/guardian (as required):

Date:

Group Discussion Form

Name of Data Collectors: _____

Site: _____

Date: _____

Thank all participants for agreeing to participate. Data collectors and participants introduce themselves one-by-one. Introduce the project and activities to the whole group. Explain what will happen today:

- Today, we will ask some questions about your typical day and your community. Everyone will be given a chance to speak.
- There are no right and wrong answers.
- After we ask the questions, we will give you a camera and instructions for using the camera.

Establish ground rules with participants:

- “Agree to disagree” and respect each other’s opinions.
- Don’t use bad language.
- Keep information about each other private.

1. Can you show me on the map where you live? (Mark on map)

2. How long have you lived in this village?

3. What kinds of things do you like about where you live? (Mark on map)

4. What kinds of things do you dislike about where you live? (Mark on map)

5. Do you attend school? How do you get to school? (Mark on map)

6. Do you work, whether you are paid money or not (including gardening and other unpaid work)? If so, can you show me where you work? What kinds of work do you do? (Mark on map)

7. Do you have home duties (fetching water or firewood, taking care of children or older relatives)? What kinds of duties?

8. Do you go to a trade store or canteen to buy things for your family? Which trade store or canteens and what do you buy?

9. Do you go to a doctor, nurse, or other health worker regularly? If so, can you show me where you go? What kinds of health issues bring you to a health worker?

10. Do you have family and friends in your village or area you regularly visit (once a month or more)? If so, where do they live?

11. What do you do when you are not at home, or school, or work, or doing other duties – your ‘free time’? Where do you go?

12. What is your favourite place in this village/ area to go to? Why?

13. Now we are going to ask about how you get from home to work, school, trade store or canteens, friends, family, and 'free time' places. Are there particular routes you like to take? Why?

14. Please say whether you agree or disagree with these statements and why:

a. I can easily access the road from where I live.

Agree / Disagree _____

b. I feel safe crossing the road.

Agree / Disagree _____

c. I feel safe walking/moving along the road.

Agree / Disagree _____

d. I think the traffic on the road moves too fast.

Agree / Disagree _____

e. I feel that I have adequate space to walk/move along the footpaths along the road.

Agree / Disagree _____

f. The road has improved my ability to access neighboring towns and villages.

Agree / Disagree _____

g. The road has improved my ability to access work/school.

Agree / Disagree _____

h. I believe the road design incorporates features that meet my special needs.

Agree / Disagree _____

i. Life became better for me after the road was installed.

Agree / Disagree _____

j. I would use the road more if it were safer for me.

Agree / Disagree _____

15. Are there particular routes you avoid? Why? Are there places you would like to go but cannot? Why? Are there dangerous places you avoid? What makes them dangerous?

16. Travel outside your village: When you leave the village/town/city neighborhood, where do you usually go? What is your reason for leaving the village? How do you usually travel? How often would you leave your village?

17. If you wanted to travel to the nearest urban center, what is the primary travel mode you would typically use? (Walk, PMV, bicycle, motorbike, bus, taxi, private car, boat, airplane)

18. Has this village or area changed in the time you have lived here? Has it become better or worse? Why?

19. Have you ever been consulted about roads being built or maintained near your village? Do you know anyone who has been consulted about this new road?

20. Who do you think makes decisions about roads near your village?

21. If you could travel 10 years into the future and see this village/ area become a better place, what kinds of changes would there be?

22. Next visit, we would like to run a “Moveabout” activity. This involves a group walk along a short section of this road to identify things we like and dislike, and changes we might be able to suggest. Which part of the road should we do our “Moveabout” along?

23. Thank you for your help! Is there anything else we should have asked or any other information you would like to give us?

Give out the cameras to each participant and explain:

- This camera can only be used once.
- It can take up to 36 pictures.
- We would like you to take pictures of places you go to and routes you take to go to these places. We would like you to take pictures of places you like and dislike and tell us why you like or dislike them.
- You can also take 1 or 2 pictures of your family and friends and have someone take 1 or 2 pictures of you.
- You should bring the camera back to us at the next visit in one week so that we can develop the photos for you.

Answer any questions. Make sure that everyone has your contact details and that they know where and when to meet for the “moveabout”. Thank everyone for their participation

“Moveabout” Form

Name of Data Collectors: _____

Site: _____

Date: _____

Thank all participants for agreeing to participate. Data collectors and participants introduce themselves one-by-one. Introduce the project and activities to the whole group. Explain what will happen today:

- Today we will be doing an activity called the “moveabout”.
- We will be moving along a short section of this road, so that you can show us what you like and dislike about this part of the road. There may be problems with lots of traffic, problems with crime, problems with being able to see ahead, problems with crossing the road, problems with how well looked after the road is. People should also suggest improvements or ideas, such as where there should be crossings, traffic lights, stop signs, speed bumps, street lights, or trade store or canteens.
- Please stay as a group and stay on the side of the road.
- Please do not walk on the road.
- If you feel tired or unwell, please tell us and we will arrange some transport for you to return to our meeting point.
- Everyone will be given a chance to speak and there are no right and wrong answers.

Establish ground rules with participants:

- “Agree to disagree” and respect each other’s opinions.
- Don’t use bad language.
- Keep information about each other private.

1. Why do people use the road (e.g. to get to school, work, trade store or canteens, friends)?

2. Where do you cross the road? Why do you cross there?

--

3. What kinds of good and bad experiences have you had using this road?

4. Is there a lot of traffic? How many cars, trucks and other motor vehicles (eg., motor bikes) are there passing by now?

5. Are there any street lights? If they get broken, do they get replaced quickly?

6. Are there signs showing you where to go?

7. Are there footpaths? Is it well-maintained? Are there lots of cracks or obstructions?

8. Is it easy to get onto the road with a wheelchair or a pram? Why? Why not?

9. Is there a lot of rubbish around? Are there rubbish bins?

10. Is the road well maintained? Are there lots of cracks or obstructions on the road?

11. Are there lots of people around? Are there equal numbers of men and women, or more of one or the other? Are there children playing near the road?

12. Are there owners of trade stores or other people informally keeping an eye on what is going on?

13. Are there abandoned buildings or other unsafe places near the road?

14. Are there good things like benches, shade, or interesting things to see along the road?

15. What ideas do you have for improving the road?

