



# A Study on User's Opinion On Effect Of Construction Of A Flyover In Shashongachha, Cumilla

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## ABSTRACT

Traffic congestion are a typical occurrence in most sections of the country. Bangladesh, for example, is confronted with this problem as its population and vehicle fleet both expand at the same time. As a result, its past time to take some novel approaches to resolving this pressing issue, such as traffic congestion. The Flyover is one of the most recent solutions to this problem. This concept has recently been proposed and implemented in a number of European and American countries, including the Bangladesh, USA, India and others, and has shown to be a huge success. In this paper, we attempted to recognize and identify the most effective outcomes Flyover can provide by utilizing customer feedback. The core objective of this paper is to analyze public opinion to determine the success of the Flyover, Determine the implications on the daily lives of those living nearby and Analysis of efficiency of the flyover. To achieve the objective of this paper preparation of question, data collection from field, data analysis was done. After this study the percentage of user who are happy or unhappy with the construction of this flyover has been found out and being presented in the results section..

**KEYWORDS:** Flyover, feasibility study, user opinion.

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## I. INTRODUCTION

Whether it is a person or commodities, a vehicle is a fairly prevalent mode of transportation or movement. Despite the fact that numerous types of vehicles have made our lives much easier and more pleasant, when the number is large, it becomes a problem [1]. Traffic congestion are a typical occurrence in most sections of the country. Bangladesh, for example, is confronted with this problem as its population and vehicle fleet both expand at the same time [2]. As a result, it's past time to take some novel approaches to resolving this pressing issue, such as a traffic congestion. The Flyover is one of the most recent solutions to this problem. This concept has recently been proposed and implemented in a number of European and American countries, including the Bangladesh, USA, India and others, and has shown to be a huge success. Bangladesh has also implemented the use of flyovers. However, there has been no research done on the usefulness of Flyover or user feedback on the topic [3]. In this research, we attempted to recognize and identify the most effective outcomes Flyover can provide by utilizing customer feedback. Every new invention takes some time to get used to. So it'd need a few tweaks, but a wide range of people are interested. It already has its advantages. This is a powerful signal for passengers as well as the riding environment. This initiative has the potential to help alleviate traffic congestion significantly [4].

## II. OBJECTIVES OF THE STUDY

- Analyze public opinion to determine the success of the Flyover.
- Determine the implications on the daily lives of those living nearby.
- Analysis of efficiency of the flyover.

### III. METHODOLOGY

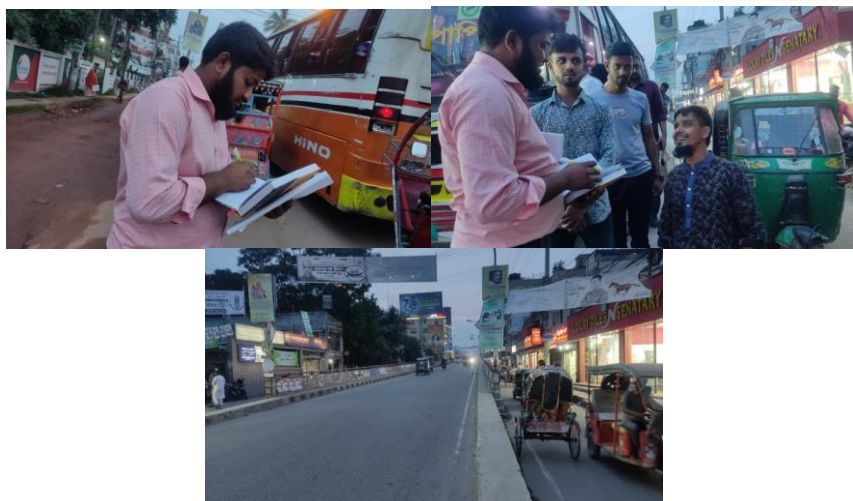
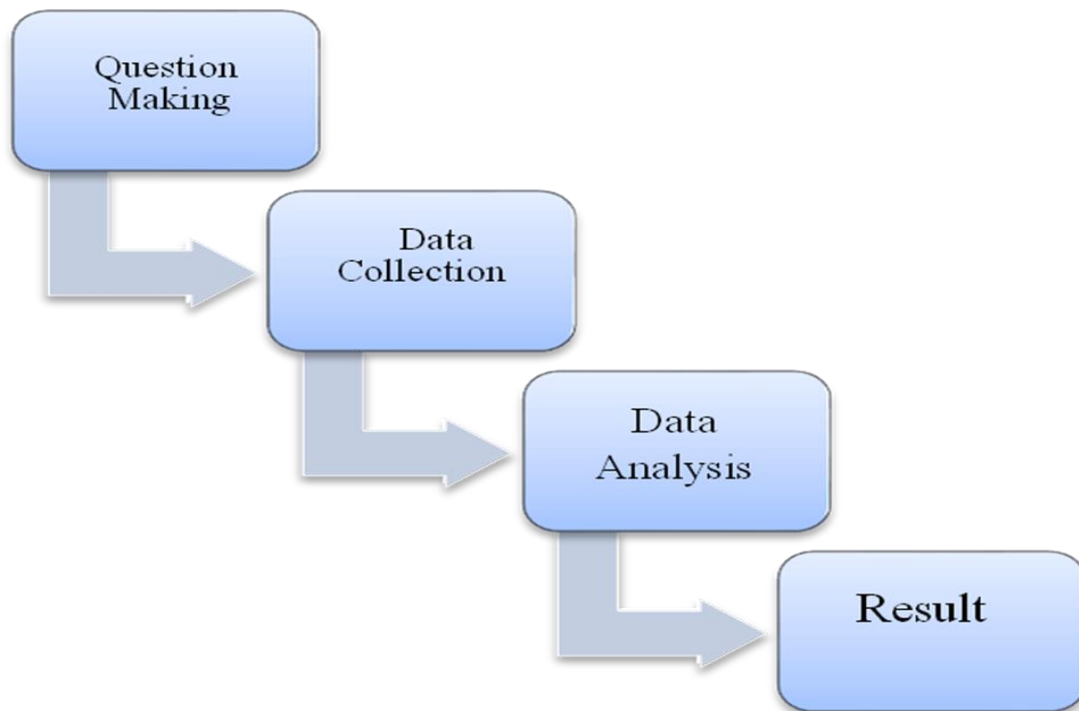


Figure 1: Data Collection

**IV. QUESTION MAKING/QUESTIONNAIRE SURVEY**

FOLLOWING QUESTION OR SURVEY SHEET WERE **DESIGNED** TO DETERMINE THE **PUBLIC USER OPINION AND IMPLICATIONS ON DAILY LIFE,**

**Determination of Implications on Daily Life**  
Name: *Archlow Haiden* Age: *59* Profession: *Chairman*  
Gender: *Male* Address: *Reiscourse, Cumilla,*

SL No.	Questions	Answer (Yes/No)
01	Flyover is causing greater noise pollution?	No
02	Is it useful to pedestrian?	Yes
03	is there any change in the income source of roadside vendors and hawkers?	No
04	Does the flyover save time for both public and private transportation users?	Yes
05	Will the flyover will cause any further issue in the future?	Yes.

Figure 2: Questionnaire Survey Form

## Public User Opinion

Vehicle type: *car (person)* Age: *40*. Driver's Name: *Fazuk*  
 Address: *cantonment, cumilla*.

SL. No.	Question	Answer (Yes/No)
01	How the flyover will affect Cumilla's economy?	<i>No.</i>
02	Does the flyover helps to reduce traffic congestion?	<i>Yes.</i>
03	How frequently you use the flyover?	<i>Yes.</i>
04	Does the narrow roads have an impact on the flyover?	<i>Yes.</i>
05	Does the flyover saves time ?	<i>Yes.</i>
06	Does the flyover will cause any further issue in future?	<i>Yes.</i>

Figure 3: Questionnaire Survey Form

## Determination of Implications on Daily Life

Name: *Jaglal Haiden* Age: *59* Profession: *Ex-Service*  
 Gender: *Male* Address: *Sashongasa, Cumilla*

SL No.	Questions	Answer (Yes/No)
01	Flyover is causing greater noise pollution?	<i>No</i>
02	Is it useful to pedestrian?	<i>Yes</i>
03	Is there any change in the income source of roadside vendors and hawkers?	<i>Yes</i>
04	Does the flyover save time for both public and private transportation users?	<i>No</i>
05	Will the flyover will cause any further issue in the future?	<i>No.</i>

Figure 4: Questionnaire Survey Form



Figure 5: Data Collection

#### V. ANALYSIS & RESULTS

- After our field data collection we have run an analysis of our data on the following manner,
- For **Public User Opinion**,
- We have **divided** the user of the flyover into 6 (six) groups,
  - Car
  - Emergency vehicle
  - Three wheeler (CNG)
  - Truck
  - Motorbike
  - Three wheeler (Battery powered)

##### For **Car users**,

- **71.66 %** car users have showed positive attitude to the flyover
- **28.33%** car users have showed negative attitude towards the flyover
- Their point of view was that in future flyover can make issues like scarcity of spaces for future generation and expansion of business

##### For **Emergency vehicles** (Ambulance/Police/Civil defense),

- **86.66%** were positive to flyover
- **13.33%** were negative to flyover

##### For **Three Wheeler (Battery)**,

- **63.33%** had shown negative approach
- **36.66%** had shown positive approach

##### For **Truck**,

- **78.33%** truck drivers had shown positive mind set to the flyover
- **21.66%** truck drivers had shown negative approach

##### For **Motorbike**,

- **74%** had shown positive attitude to flyover
- **26%** had shown negative attitude to flyover

##### For **Three Wheeler (CNG)**,

- **51.66%** had shown positive attitude to the flyover
- **48.33%** had shown negative attitude

For **Determination of Implications on Daily Life,**

- We have visited 30 inhabitant's around the research area and we have found,
- **67.33%** inhabitant's are **happy** with the construction of flyover
- **32.66%** inhabitant's are **unhappy** with the construction of the flyover

**VI. Results and Discussion**

- After analyzing our field data we have come to an **result** that,
- **66.66%** user's of the flyover at Shashongacha is happy with it's construction
- **33.33%** user's are not happy with the flyover

Thus shows us that the construction of the flyover is some what close to successful but not fully.

**VII. CONCLUSION**

IN LIGHT OF THE ABOVE DISCUSSION AND ASSESSMENT POINTED OUT, IT IS REVEALED THAT THE FLYOVERS CONSTRUCTED HAVE NOT BEEN GENERALLY SUCCESSFUL IN REDUCING CONFLICTS AMONG RAIL, ROAD TRAFFIC & PEDESTRIANS AND HAVE NOT IMPROVED MOBILITY AND SAFETY SIGNIFICANTLY. A FULL-GRADE SEPARATED FLYOVER CONFIGURATION ALONG WITH NMV AND PEDESTRIAN INCLUSIVE INTEGRATED DESIGN IS SEEMED TO BE THE APPROPRIATE SOLUTION. ALTERNATIVELY, INSTEAD OF MAKING EXPENSIVE FLYOVERS AT ALL THE LEVEL CROSSINGS.

**REFERENCES**

- [1]. Benjamin K. Sovacool, Early modes of transport in the United States: Lessons for modern energy policymakers, *Policy and Society*, 27:4, 411-427, DOI: 10.1016/j.polsoc.2009.01.006
- [2]. S,Khan A,Khan, Traffic Congestion in Dhaka city: Suffering for City Dwellers and Challenges for Sustainable Development, Article in *European Journal of Social Sciences* · October 2018
- [3]. A,Taleb, Impact of Flyovers in Dhaka City of Bangladesh on the Affected People in the Adjacent Area, *International Journal of Engineering and Technology* 4(1):103-106(January 2012), DOI:10.7763/IJET.2012.V4.327
- [4]. K,Mahmud, Possible Causes & Solutions of Traffic Jam and Their Impact on the Economy of Dhaka City, *Journal of Management and Sustainability* 2(2) (may 2012)
- [5]. R, shamsher, Traffic Congestion in Bangladesh- Causes and Solutions: A study of Chittagong Metropolitan City, March 2015 *Asian Business Review* 2(1):13, DOI:10.18034/abr.v2i1.309