

## The Rickshaws of Dhaka, Bangladesh

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ENVS662: Green Design and the City

# Outline of Presentation

## Background

- Timeline
- Dhaka, Bangladesh

## Sustainability

- People
- Planet
- Profit
- Politics

## Evaluation & Conclusion



# Today (Europe and United States)

Photo Credit: BicyTaxi



Photo credit: CityCruiser



Photo Credit: BicyTaxi



Photo Credit: Main Street Pedicabs



Photo Credit: Main Street Pedicabs

# Background > Dhaka, Bangladesh

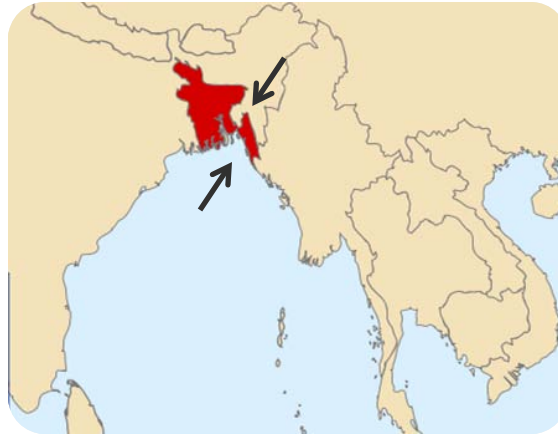


Image credit: Wikipedia

**Largest City, Capital of Bangladesh**

**Transportation Profile**

- "The City of Rickshaws"

**Employment Profile**



Image credit: Dhaka Embassy

Lasnier, France. Rickshaw Art in Bangladesh. 2002. The University Press limited. Dhaka.; Kalabamu, Faustin. "Rickshaws and the Traffic Problems of Dhaka." Habitat International. Vol. 11, No. 2, pp. 123-131, 1987.; McGee, Terry. "Urbanization takes on new dimensions in Asia's population giants." Population Today. Population Reference Bureau. October 2001.; "Affordable housing dangerously short as Dhaka population explodes." Zimbo. July 2008. <<http://www.zimbo.com/pictures/rsXeJv9-AiD/Affordable+Housing+Dangerously+Short+Dhaka>>

# Background > Dhaka, Bangladesh

Largest City, Capital of Bangladesh

Transportation Profile

- "The City of Rickshaws"

Employment Profile

Table 1. Modal split of vehicular traffic volume in Dhaka City

Type of vehicle	Cars	Buses	Trucks	Autorickshaws	Motorcycles	Rickshaws	Bicycles	Other
Percent	19	2	1	7	6	59	4	2

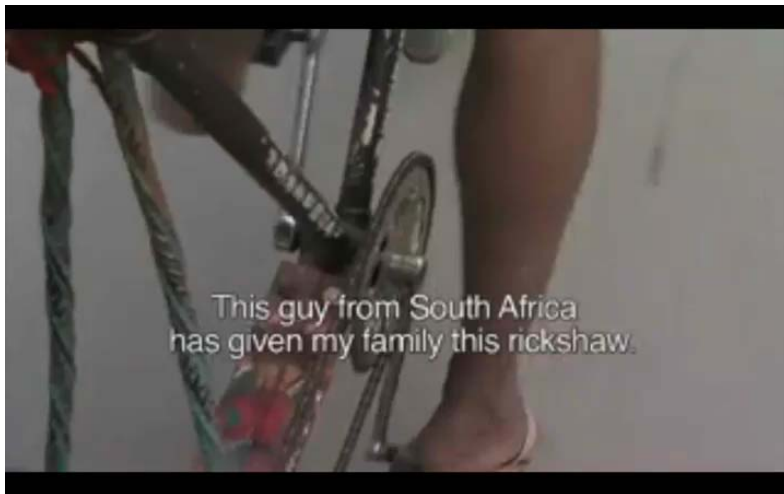
Source: Ahmed (1980).

Lasnier, France. Rickshaw Art in Bangladesh. 2002. The University Press Limited. Dhaka.; Kalabamu, Faustin. "Rickshaws and the Traffic Problems of Dhaka." Habitat International. Vol. 11, No. 2, pp. 123-131, 1987.; McGee, Terry. "Urbanization takes on new dimensions in Asia's population giants." Population Today. Population Reference Bureau. October 2001.; "Affordable housing dangerously short as Dhaka population explodes." Zimbo. July 2008. <<http://www.zimbo.com/pictures/rsXeJy9-AiD/Affordable+Housing+Dangerously+Short+Dhaka>>

# Background > Dhaka, Bangladesh



Image credit: Unknown



Movie credit: 1we

Largest City, Capital of Bangladesh

Transportation Profile

- "The City of Rickshaws"

Employment Profile

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# Sustainability > People

+

- Cheap, Low-  
Income  
Customer Base

Photo credit: National Geographic



- Reliability  
(Accessibility  
regardless of  
weather or  
street  
conditions)

- Ambulance



-

- Colonial Relic /  
Dehumanizing

- Wallah's health

- (Public's Safety)

Movie credit: Seinfeld



Lasnier, France. Rickshaw Art in Bangladesh. 2002. The University Press Limited. Dhaka.; Kalabamu, Faustin. "Rickshaws and the Traffic Problems of Dhaka." Habitat International, Vol. 11, No. 2, pp. 123-131, 1987.; McGee, Terry.; Gallagher, Rob. The Rickshaws of Bangladesh. University Press Limited: Dhaka, 1992.

# Sustainability > Planet

- +
  - Non-motorized
    - Fully human-powered
  - Not required to expand existing/create new roads
- (Traffic Congestion)



Image credit: Wordpress – freshclick

Lasnier, France. Rickshaw Art in Bangladesh. 2002. The University Press Limited. Dhaka.; Kalabamu, Faustin. "Rickshaws and the Traffic Problems of Dhaka." Habitat International, Vol. 11, No. 2, pp. 123-131, 1987.; McGee, Terry.; Gallagher, Rob. The Rickshaws of Bangladesh. University Press Limited: Dhaka, 1992.

# Sustainability > Profit



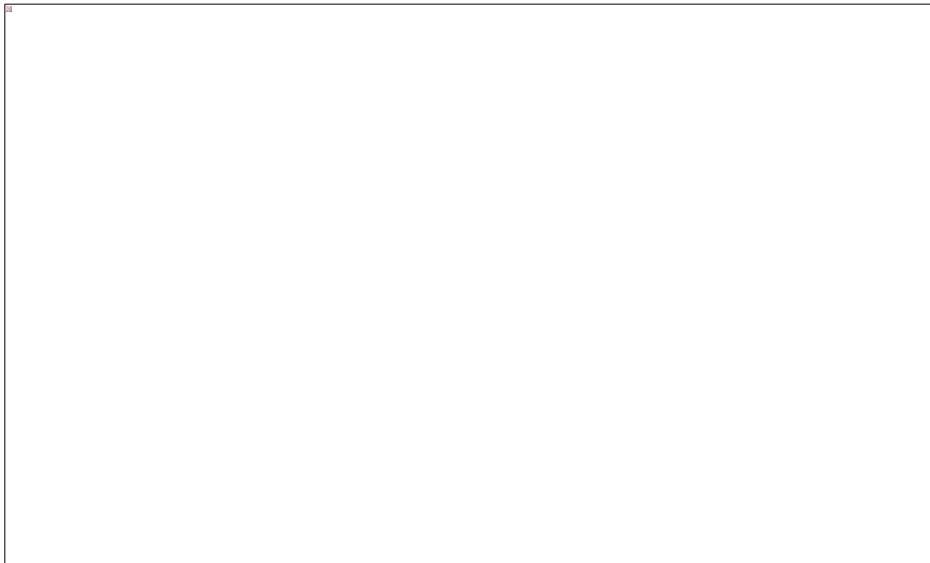
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- Value-Added

-

- Rickshaw Owner  
vs. Renter/Wallah

Value-Added in the Transport  
Sector, 1984/1985



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Terry.; Gallagher, Rob. The Rickshaws of Bangladesh. University Press Limited: Dhaka, 1992.

# Sustainability > Politics

- +
  - **Modernity**
- Westernization
- **Modernity**



Improved Rickshaw, Image credit: Nimbkar Agricultural Research Institute

“Rickshaws and the Traffic Problems of Dhaka.” Habitat International. Vol. 11, No. 2, pp. 123-131, 1987.; McGee, Terry.; Gallagher, Rob. The Rickshaws of Bangladesh. University Press Limited: Dhaka, 1992.

# Evaluations & Conclusion

Employment  
Accessibility (Social and Geographic)  
Environmental  
Value added  
Rickshaw Redesign  
Infrastructure Redesign

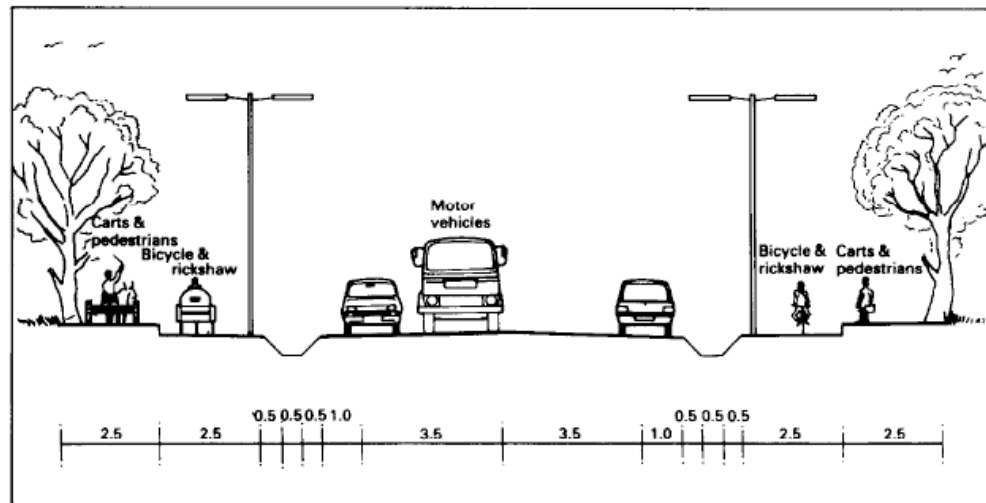


Fig. 4. Possible segregation of roads.

QUESTIONS?

