



**Benha University
Faculty of Arts
Geog - Department**

(Summary)

The Role of Transportation In The Development

**An applied Geographic Study
On El- Sinbellaween District**

**A Thesis Submitted in Partial Fulfillment
Of the Requirements for the Degree of Master of Arts**

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The study of "**The role of Transportation in the Development
An applied Geographic Study on El- Sinbellaween District**" included Introduction, 6 Chapters, and a conclusion.

The Introduction contained the idea of research, the limits of the study, previous studies, the subject of the study, objectives, relevance, and curriculum and methods used, as well as, the difficulties they faced.

And then, study of the transportation system in El- Sinbellaween district where, the historical development of roads and warrants, and their geographical distribution, as well as railways and its historical development, and means of transportation workforce, competition and integration between them, and the status of the contract of El- Sinbellaween District, and then parking positions of vehicles.

The study of the status of the transportation system in El- Sinbellaween district reached to an integrated system, consisting of roads and means of transport, holding and waiting stations, which do not operate separately but work together, and interact each with other, the system is governed by the needs and requirements of the population, and coming from outside, either for work, education, shopping or otherwise, in a circular motion purposeful origin and destination.

It was the intention of addressing the transportation networks at El- Sinbellaween district study and analysis, by using of statistical methods; where some indicators and the application of statistical measures such as: turning index, and measures of access between a network, or contact measurements interdependence, the spread of the network, and the density of road networks in relation to the population then, the size.

It was clear from the study and analysis of transportation systems installed El- Sinbellaween district: semi-straight roads, and the El- Sinbellaween city is the most central contract of carriage, given the geographical mediated between a network, as well as to a great correlation between the network, and reflects the status of the road network in El- Sinbellaween district which is developed, and tend to be held convergence.

Then, studied traffic routes on El- Sinbellaween roads, and motives were analyzed purposes, and patterns; been dealt with the movement of vehicles on roads and passenger traffic, and then the movement of goods and commodities, both roads and railway.

The study found that there are some geographic controls affecting traffic status; and one of it is the continued increase in the numbers of vehicles, and the characteristics of daily movements, and others, then some theories explain the movement were applied, as an indicator Theta, and the interaction theory, the theory of parity when drop, and others.

And the study of traffic routes in El- Sinbellaween district concluded that there are periods of peak daily, are the peak time of the morning, at noon, and two days more traffic intensity on the roads in it: Sunday; it is the beginning of the week, and Thursday; where the weekly market in El-Sinbellaween. The nature of the movement and the type of load affected the occurrence of some traffic problems and traffic accidents.

Then, transportation and the geographical environment has been studied in El- Sinbellaween district, and which were addressed some natural factors influencing transport including; geographical location, climate, and lines levels, as well as some human factors affecting transportation, such as population, land use, and others.

The study of transportation and the geographical environment in El-Sinbellaween district noted that the impact of human factors on the transport status stronger and the most prominent than natural factors, given the constant change, as shown by the presence of some of the environmental impacts of transportation, including the positive effects, such as economic and social; and the negative effects such as different types of pollution, traffic accidents, and others.

The study examined the role of transportation in the economic development in El- Sinbellaween district; efficient transport service status was studied where identified transport services efficient were done to the village level and local units. Also, agricultural development and the role of transportation in were studied through a review of agricultural development potential and the role of transportation in the transportation and marketing of agricultural products.

And then, the role of transportation in the livestock and poultry development were examined; through the study of the production and distribution of broiler farms, and the evolution of the production of table eggs, and the role of transport in the transport of feeds, as well as its role in the excreta transportation.

Industrial development in El- Sinbellaween district was studied and the roles of transportation in were studied; where possibilities of industrial development in El- Sinbellaween district were studied, and the relationship

between the efficiency of transportation in the villages and industrial development possibilities in it. Then, business development status in El-Sinbellaween district was studied, through the study of commercial activities and the role of transport in it.

It was found that the transportation has an important role in the activity of commercial traffic, as well as in recreation at El- Sinbellaween district, as well as in the distribution of some service activities on the roads, including the activities of car services, passenger services and activities.

Turning to, the role of transportation in human and urban development, through the study of some of the indicators of human development status, education, healthcare and income averages, which showed that and getting strong correlation between educational and medical facilities places choosing and roads places and length. Also, found that, the transport has a prominent role in urban development; was to determine forms of urban shops, and in the bloc and the integration built, and others.

The study then covered some of the problems faced in the transport system and its impact on the development status in El- Sinbellaween, including roads special problems, due to poor engineering design, misuse, and the vehicles special problems, due to the lack of oversight, and the problems of the positions of waiting. That, few in count and lack of its facilities.

Then, transportation and development in El- Sinbellaween district were studied, by analyzing current status of development map, and drawing development proposed map, avoid defects in current development map.

The Thesis ended with conclusion on the results, key recommendations, and some of the proposals; that, some results of the study are:

- There are very centrality in the transportation network in El-Sinbellaween district and El- Sinbellaween city, which considered as the movement centre; that it is a population meeting place, a point that brought them together, it is also a major focus of social and cultural services.

- There are four types of movement on El- Sinbellaween district roads, the most important is movement (Interior - Interior) refers to the weakness of center gravity of the movement from outside because of the geographical location between cities: Mansoura, Zagazig, Mahala, which led at the same

time to increase the volume of traffic with migrant status from El-Sinbellaween district to the outside.

The study suggested some of recommendations, which aim to increase the efficiency and effectiveness of the role of transportation in the development, including:

- Eliminating curves accompanied plants impede vision, then the expansion of roads, and work to remove these plants continuously.

- It is recommended to eliminate the indiscriminate transportation phenomenon in El- Sinbellaween district, through labor division between taxis and buses with administrative oversight of this.

- legalizing work Alreksha vehicles, and subjected to the system of traffic; so can eliminate the effects of the problems caused by Alreksha entry to work in El- Sinbellaween district.

- The allocation of vehicles to transport passengers and other goods. Overall, taking into account each type to be fit for the type of cargo transported.

- Recommendation of expansion in the study of certain important points, including:

- A study of the socio-economic variables affecting the demand for transport in El- Sinbellaween district.

- The role of the service of El- Sinbellaween city in the transportation problem.