

MULTIMODAL TRANSPORTATION SYSTEM WITH ARC-GIS

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ABSTRACT

People move within an urban usually happens from origin to destination. For that reason, when studying, transportation system which has many modes of public transport but one should look to it as multimodal transportation system with relations and dynamics between its components. In order to do any study related to transportation a model showing the multimodal system is needs. The research is to develop an ArcGIS data model for a multimodal transportation system combining each mode in transport network planning. For that reason, when studying, analyzing transportation systems one should not consider each mode of transport separately but one should look to it as multimodal transportation system with relations and dynamics between its components. Now what we have done in this paper is that we have used the Arc GIS to create a multimodal transportation system. With this information we can find the exact location of any destination.

Keywords: Arc GIS, Multimodal transport, Geometry of Surface, traffic volume flow, GIS, etc.

1. INTRODUCTION

The multimodal transportation is a kind of transportation within the city passenger move from start to end, also called multimodal transport, it has more than two modes of transportation in start to end journey. Multimodal transport is often used together for various transportation modes. A goal of new multimodal passenger transport is to reduce major traffic from the roads and increase use of public transport. To help the traveler various multimodal journey planners such software has been use to help travelers to think and schedule their trip. .Multimodal transport concentrates on type of Road, Rail & Metro which high-speed options (i.e. city bus, auto rickshaw, or tricycle) are used at the start or end of the movement.[1] Trains offer early transit from a rural into an urban area, where peoples can use a way to complete their trip. Most transportation modes have always been used multi transport; for example, people have used road or urban railway to an airport or inter-regional railway station.

2. LITERATURE SURVEY

A study refers to design multi-modes of the transport system which is also used to investigate the aftermath of multimodal travelling for the design of multimodal transport networks. It should have good multimodal

