

The role of Transportation planning in the Improvement of the physical structure of zone 8 of Tehran using SWOT model

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Extended abstract

1- Introduction

Every city use includes traffic specification the changes by transportation planning cause objective manifestation in general texture of the city. This manifestation involves promotion and demotion of spatial texture of city that is through optimization, reconstruction, expansion and creating new obstacles. Transportation planning is a new subject in geographic science and its use in city planning in general and regional planning in particular has strated recently. The transportation system and traffic are parts of city's activities and they indicate the dynamism and vitality of a whole city. There is no doubt that without transportation, one can not imagine a vital and dynamic city.

2- Theoretical Bases

The term "trans" means to send from one place to another and "port" means carry (Moradi Massihi, 2004: 313).

The concept of transportation from the economical point of view means to carry passengers and goods form one place to another (Bulghari, 2004: 63).

Transportation planning is a systematic technique in analyzing the transportation traffic. Its aim is to create safety (security) in a dynamic and suitable transportation system relating to the current and future needs and priorities of society (Shayegh, 1982: 44).

Transportation planning of city is an intermediary subject and is a new technical profession which has acquired the influential theoretic principles, tools and methods that are used in the interactions of private and government sections (Amininejad and Aftekhari, 2007: 25).

The network of connection as an inseparable part of regional city, whether in organic form or in preplanned designs, is to achieve the least needs of city concerned. The reformation of transportation network and the services provided for commuters is one of the essentials of physical specification in the

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indices of efficiency, justifiable economy and safety in unused texture of city (Perry Symons, 1994: 68).

3- Discussion

The analysis of SWOT is a term used for the recognition of internal weak and strong points, opportunities and outside threat that a system has to encounter. This model of systematic opportunity and threat of outside are compared with a structured approach of weak and strong points of an internal system. The purpose of this comparison is to recognize one of the four special methods to make harmonic situation of internal and external.

After analysis of variables, the situation of transportation in physical texture of 8th region of Tehran was standardized with amount data of each 58 variables accorded to 1 and 10. Finally the average exponents of each index of SWOT were calculated. According to the study done the strong points are with the average of 8.7 exponent, weak points 8.7, opportunities 9.1 and threats 7.2.

4- Conclusion

What comes from the transportation traffic point of view in city texture are the moving specification, the various transportation system at hand, safety and expenses in related systems. In the present research, the role of transportation planning in the physical texture of 8th region of Tehran was studied. The findings of this research show that the transportation and traffic studies have been done in five sections, and each section, during past six years, namely; from 2003 to 2009, has used the technique of SWOT. In the applied

technique, the external opportunities and threats are systematically compared and observed with the internal weak and strong points in a structured approach. It shows that the physical texture of 8th region of Tehran has considerable weak and strong points. Thus, with regard to the result of output, the enforcement strategies were used. Finally, it was observed that most of the actions taken for the studied transportation traffic system of the city in the region have overlaps with strategy output from the table SWOT. Also, all the changes created is due to the step taken by municipality of Tehran to enhance the transportation in reforming physical texture.

5- Suggestions

In respect to this research done there are few suggestions to enhance the transportation system of Tehran:

Changing in the border of region to the extent that the main roads of first and second are separated logically.

Defining a rational relation between region and supra-regional use which is effective.

Pragmatism in deciding the path of main streets of first and second and changing the performance of Metro stations.

Reduction of population density in some localities.

Making the definition of passages network according to the present situation and performance of traffic process caused by it and systematization of sequential city.

Creating a modern transportation system.

Organizing the passages distribution towards Resalat square.

Preventing the whole process of traffic to enter and enter the east Tehran to Resalat Square.

Setting the relative relations of Imam Ali (P.U.H) road and the effect of it in passages network and periphery uses.

Equipment of Madani Street as a second main road.

Creating cross lines of uneven for the streets of Ostad Hassan Bana and Shanzdah Metri Dovom.

Unevenness of pedestrians and commuters' movement in extensive scale in Resalat Square.

Key words: Planning, Transportation planning, Physical Texture of 8th region of Tehran Municipality, The SWOT Method of Analysis.

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