

การบูรณาการความร่วมมือในการแก้ไขปัญหาจราจร  
ในพื้นที่จังหวัดสมุทรปราการ

**Integrated Cooperation in Traffic Management Problem Solving  
in Samutprakarn Province.**

Mr. Gumtorn Thavornstit\*

**Executive Summary**

Traffic problems in the area of Samut Prakarn province consist of three important issues namely (1) inappropriate network roads, (2) critical point on network roads (3) sites of activities which effect the net work communication. An approach to solve the problems at mutual view-point is that every related sector must integrate collaboration to solve the traffic problems in the area of Samut Prakarn province. It starts from an analysis of factors which cause traffic problems in each area, defining policy, plan/project to solve the traffic problems

**Major causes of traffic problems are as follows :**

1. Network roads counts very few in comparison with the amount of traffic and the area of the province is divided into three parts by the Chao Phraya River and Bangna road which is the main road. This causes the connecting roads require a great number of bridge structure or elevated intersections.
2. Network roads neither function as main road nor subordinate roads because sites of activities are dense along every main road.
3. The geography of Samut Prakarn is flooded wetland. Consequently, to develop the transport system, one needs to consider the impact of irrigation.
4. A great number of large-scale factories and industrial settlements lead to a great quantity of big trucks with the ratio up to 20-40 %.
5. Main network roads lie considerably apart. To use the detours is consequently inconvenient and using allies or small-sized local streets in order to avoid the congestion is inevitable. This causes the dense traffics on subordinate roads.
6. Sites of activities including big department stores, large-scale housing, factories which are not located in the industrial settlement are usually situated on main roads which make the expansion of traffic surface unlikely.

**Recommendations of policies :**

At present, the area of Samut Prakarn province is affected by the traffics caused by the construction of megaprojects such as the construction of BTS skytrain extension and this results in the traffic

surface of Sukhumvit road is reduced into two lanes per direction.

Besides, there is also a construction of road and bridge around the dig canal in the Bangplee district. Most of this construction is time consuming by years. In the near future, if the Government approves the construction of green line skytrain from Baring-Samut prakarn and from Samut Prakarn-Bangpoo, which lasts three years, the traffic problems in Samut Prakarn will greatly increase. Therefore, in order to prevent the imminent traffic problems, the sub-committee for the provincial land traffic planning should designate measures and approaches for operation as follows :

1. Promotion and Encouragement to improve river transportation system along the Chao Praya river by having the Department of Water Transportation and Marine Commerce expand the road along Sathorn Pier, Klong Ladbodhi, Samut Prakarn which is only a one-hour trip in order to add an alternative in case of traffic congestion on the road.

2. Setting up Station Plaza around the multi-purposed plaza in front of the province city hall

Setting up the Plaza to accommodate the mass transportation system in the future is indispensable because Station Plaza will be the spot for the change of transportation mode such as from private cars to boats, private cars to skytrain, or boats to skytrain. The suitable location for the construction of Station Plaza is the area around Samut Prakarn city hall because it is located near the future BTS route which is close to the Chao Phraya river and lies on the Sukhumvit road which functions as main road.

3. Construction or improvement of network roads

Construction or improvement of network roads as a whole for The province needs a co-study of the overall city planning in order to solve the problems integrally.

4. An integration of collaboration with related sectors

Sectors which are responsible for the traffic solution should integrate collaboration or coordination in order to solve the traffic problems effectively.

5. Setting up mass transportation system in preparation for the skytrain by considering the local administrative organizations whose area lies adjacent to the skytrain project route to operate bus service from the subordinate road in the community to connect with the train station.

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\* Vice Governor, Samutprakarn Province