

Wutichai Thongchaim 2010: Bike Routes Improvement Guidelines for Sustainable Tourism A Case Study of Historical Routes in Phra Nakhon Si Ayutthaya Island. Master of Urban and Environmental Planning, Major Field: Urban and Environmental Planning, Department of Urban and Environmental Planning. Thesis Advisor: Associate Professor Eggarin Anukulyudhathon, Doc.3eme Cycle. 175 pages.

Ayutthaya was one of capital cities of Thailand and is known as one of cities surrounded with the geography of the environmental friendly areas. On 13th December 1991 it has been specified to be the essential historical town by the UNESCO in Carthage city, Tunisia. Many strategic plans and visions have been developed to raise Ayutthaya as the world heritage in culture, impassive and friendly residential area so that this is to attract tourism industry. Another important strategy employed is to pronounce Ayutthaya as an ideal town in terms of environmental friendly aspect. Using unpolluted vehicles such as bicycles are promoted to residence and tourists. Roadways and bicycle lanes are provided by the Tourism Authority of Thailand (TAT) for those who use bicycles to travel around the city not only to meet strategic plans but also to maximize positive outcome.

A route trail identified by TAT comes across Preedee Dhamayong Bridge. Bike lane is built in the remaining network of traffic lanes. This has negative effects in terms of safety and convenience on bicyclists and motor users because of planning and design procedure failures. Even though influences of previous roadway design, there is and crucial implementation called "Retro-Fitting" (Mn/DOT Bikeway Facility Design Manual, 2007) that potentially resolves such unwelcome consequences at the right place.

As a result of research, the progressive procedures of development and physical of bike lane have to be generated to meet standard. Advantages such as environment friendly of this are able to adapted and altered to guide line bike 'route tourism.

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Student's Signature

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