

Abstract Submission Form



2010 ITE Western District Annual Meeting

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Paper Title:

A Smart Growth Approach to a Subregional Fee Program with the Help of an Activity-Based Travel Forecasting Model

Relevant Session/Topic:

Transportation and Land Use Policies

Author:

Name: Britt Fugitt

Employer: DKS Associates

Mailing Address: 8950 Cal Center Dr, Suite 340, Sacramento, Ca, 95826

Phone #: (916) 368-2000

e-mail: bcf@dksassociates.com

Co-authors:

Co-author 1: John Long

Co-author 2:

Abstract: 250 words maximum. Use 12 point Arial font, single space.

The Cities of West Sacramento, Sacramento and Elk Grove, plus Caltrans District 3, Caltrans Headquarters, SACOG, and Regional Transit were brought together to develop a better approach to mitigating impacts to the State Highway system. This research effort developed a new “smart growth” method to calculate development fees to help mitigate traffic impacts of growth on a portion the State Highway system in Sacramento County. This “smart growth method” bases impacts on estimates of delay increases on the State highway system to not only capture the effects of trip length but also trip direction. The proposed fee rates capture the effects of a fee district having an imbalance of land use types thus promoting smart growth. SACOG’s activity-based travel demand model was used because of its ability to distinguish the “primary” purpose of a trip from intermediate stops within a trip. For example, stopping for coffee on one’s way to work would be an intermediate stop; whereas the primary purpose of the trip is define as a home-to-work trip. Also referred to as “pass by trips”, intermediate stops would not impact the performance on the State Highway system. The fee in each fee district favors development of land uses that the district is currently lacking. Smart growth research shows that areas with a “good” mix of houses, retail, and employment generate more localized trips; hence reduces traffic impacts to the State Highway system. A set of fees based on this method were unanimously recommended by the multi-agency working group.

Abstracts are due by 5:00pm on Monday, January 11, 2010.

e-mail your abstracts to:

Amit Kothari, P.E., (Technical Chair)
San Francisco Municipal Transportation Agency
e-mail: amit.kothari@sfmta.com
Ph. (415) 701-4462

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