

Development and Evaluation of a Ramp Metering System on the Lodge Freeway

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ABRIDGMENT

•AN evaluation of the effectiveness of the ramp control system on Detroit's Lodge Freeway indicated that traffic operation on the freeway in the peak period was substantially improved when the control system was implemented. Statistics indicate that both total input to the freeway and total travel were not changed by the controls.

Total travel time on the freeway was about 23 percent less during the control period, indicating greater efficiency. This efficiency represents a dollar saving to freeway motorists of about \$382,500 per year.

When a freeway ramp control plan is being developed, it is necessary to consider the freeway and the corridor area as an integral system. This same traffic network should also be considered in the evaluation of a control system.