

Real Time Mobile Source Activity Database

7/1/99

Weekend Effect Public Workshop

Light Duty Vehicles

- 1964 to 1997
- Activities by Household Vehicle
- Seasonal Variation
- Real Time Second-by-Second

Available Real Time Data

- State and Federal Data
- Week End and Week Day Features
- On-Going FRESNO Project

Data Characteristics

- 13,000,000+ second-by-second records - State
- 11,000,000 combined second-by-second records - Federal
- Time,Speed,Date,etc
- Facility - GPS incorporated

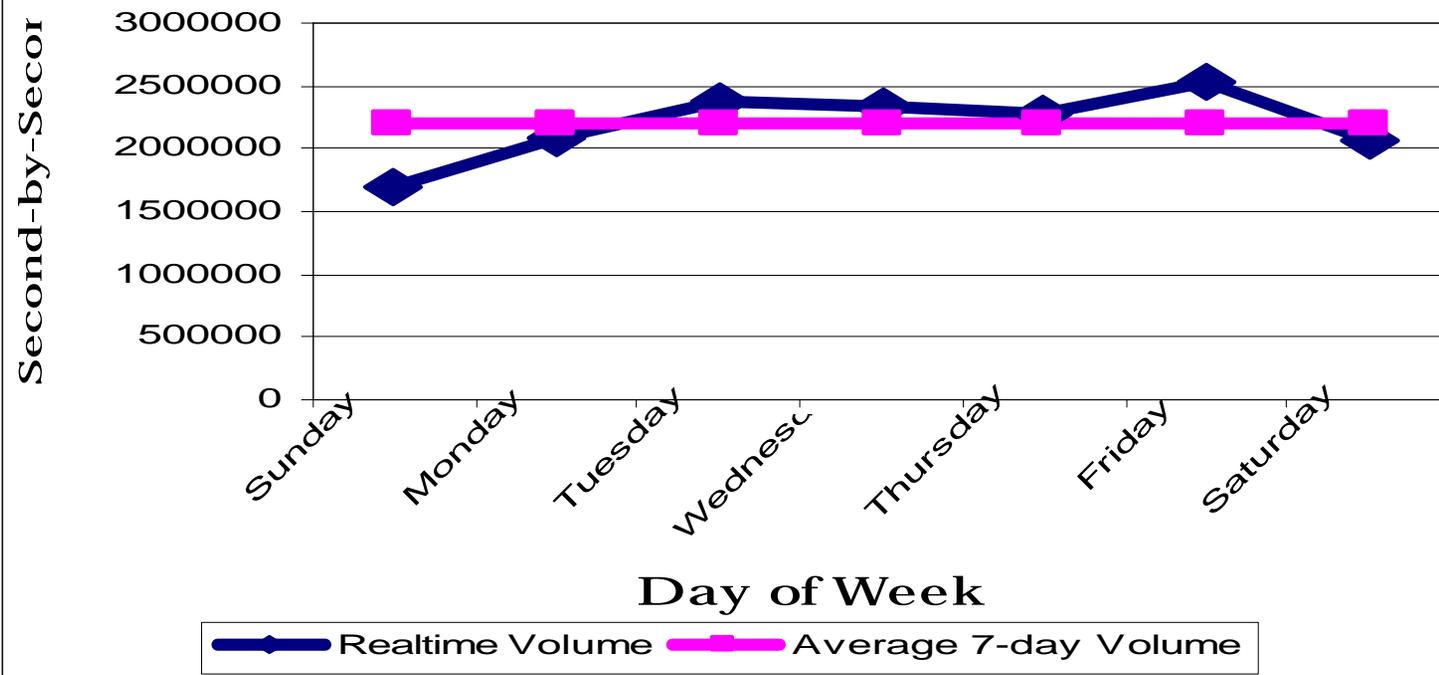
Analysis/Research in Progress Using The Real Time Data

- Compare Measured & Surveyed Driver Activities
- Activities as a Function of Vehicle Age
- Activities as a Function of Household
- Compare Measured and TDM
- All of Above by Week End/Week Day Pattern

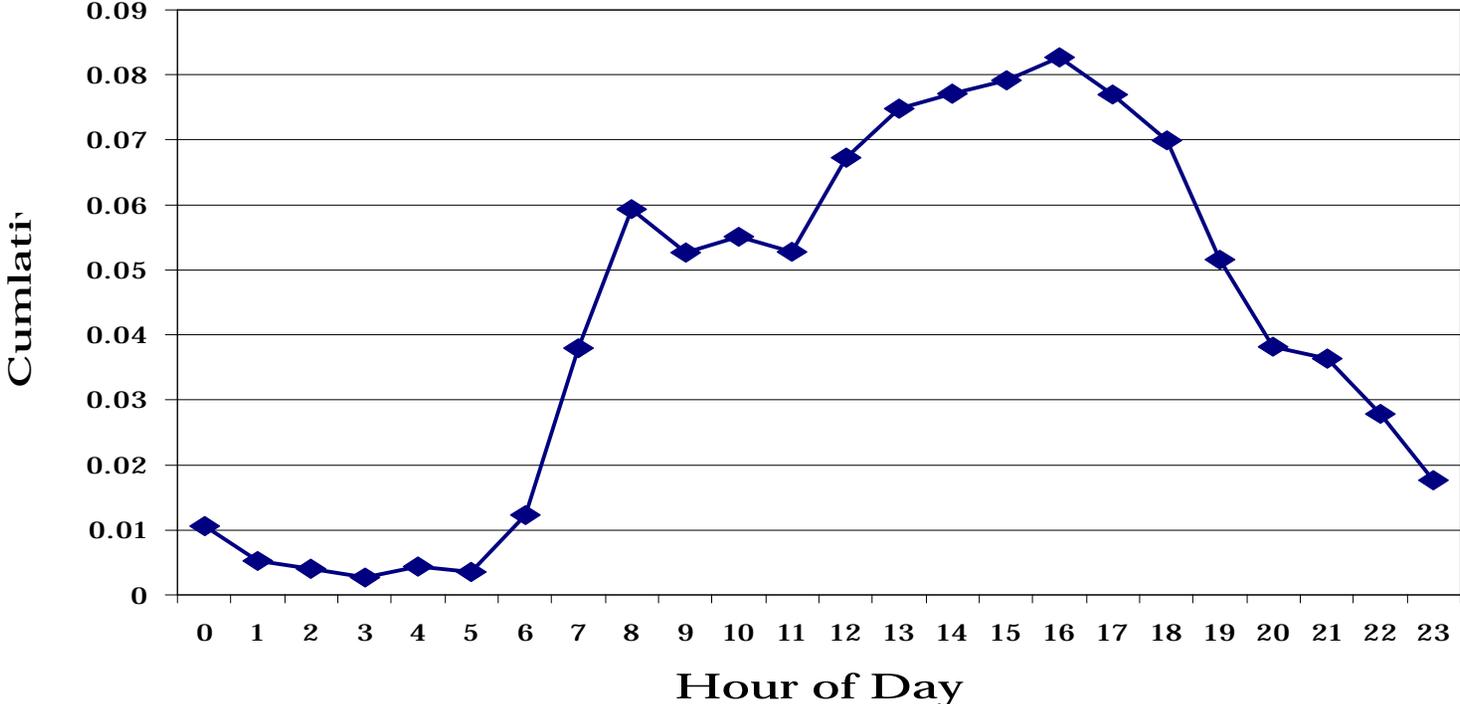
Additional On-Going Research on Activity of Week End v. Week Day

- Impact of Time Lag of Weekday and Weekend from 7-day average as Function of VMT, POP, ETC
- Merging State and Federal Database

Weekend - Weekday Profile [Sac-IVS]



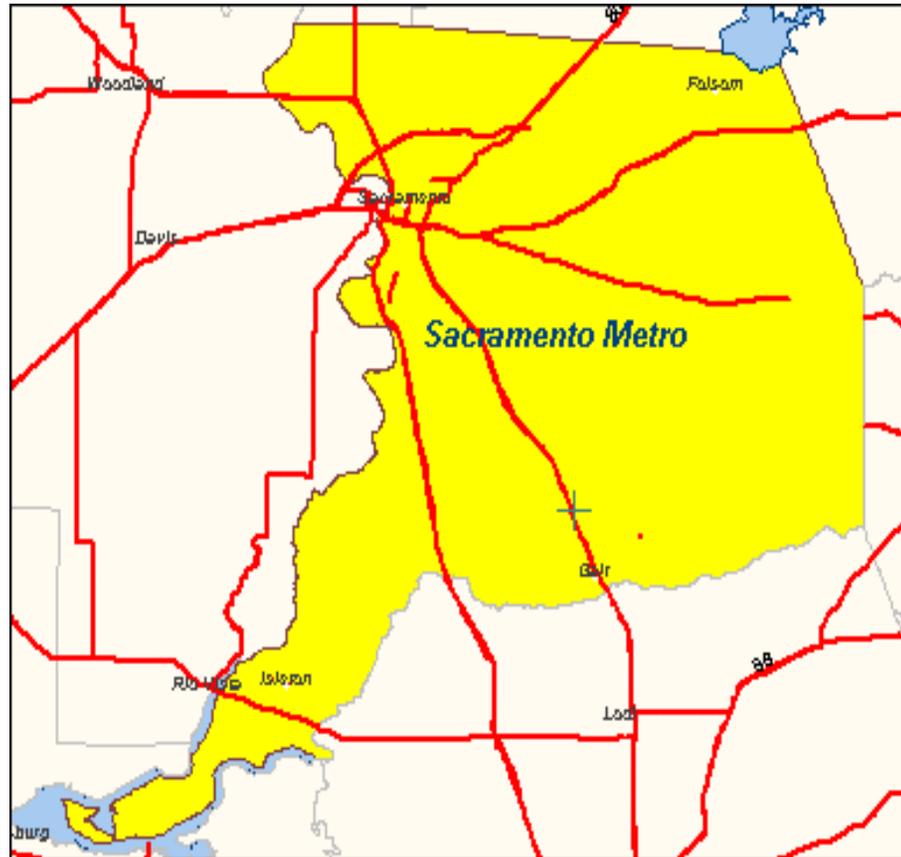
Hour-of-Day Cumulative



List of Relevant Papers

- Proceedings of the CRC contains several papers using the State and Federal Database

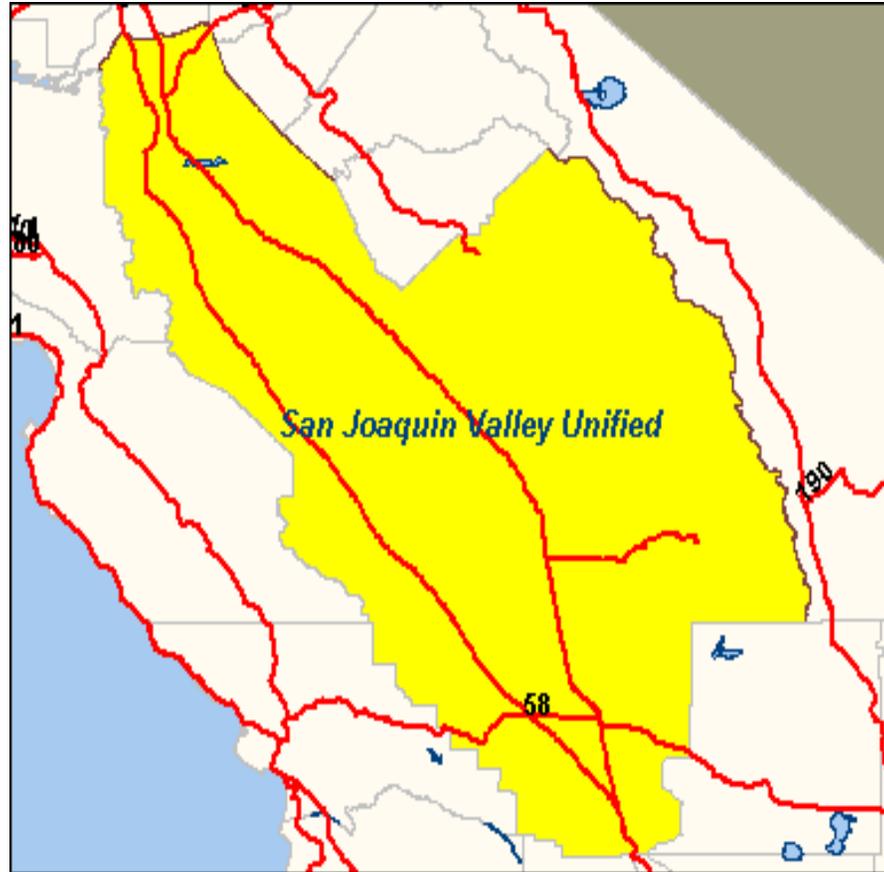
Sacramento Project Area



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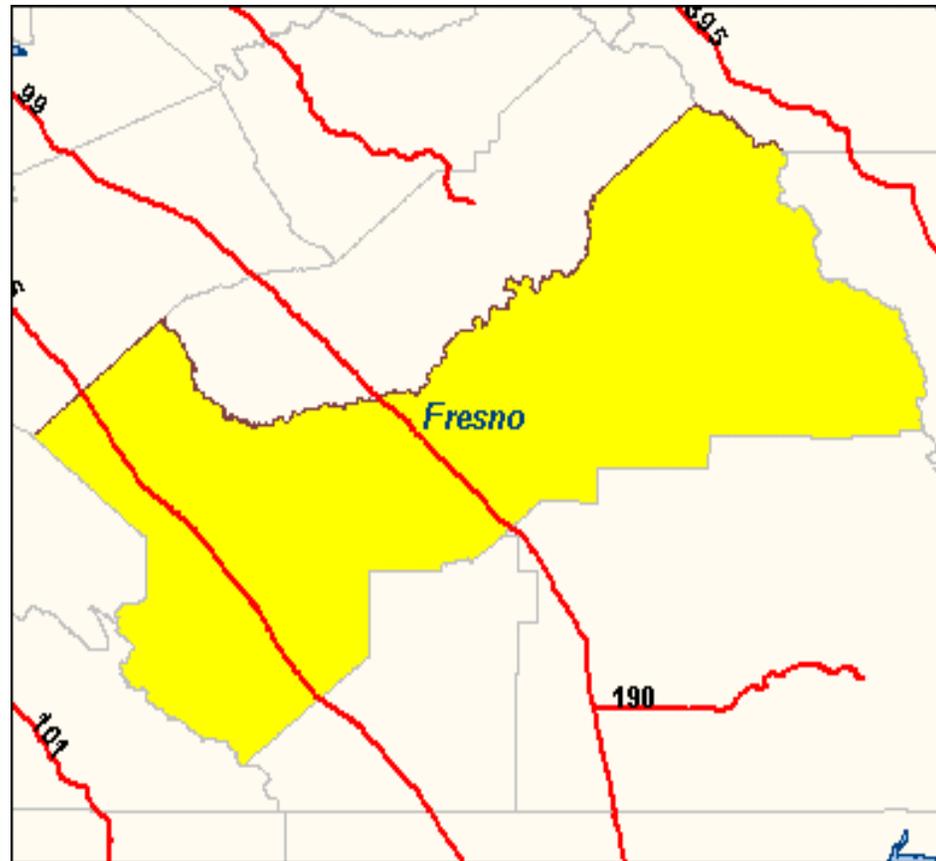
San Joaquin Valley



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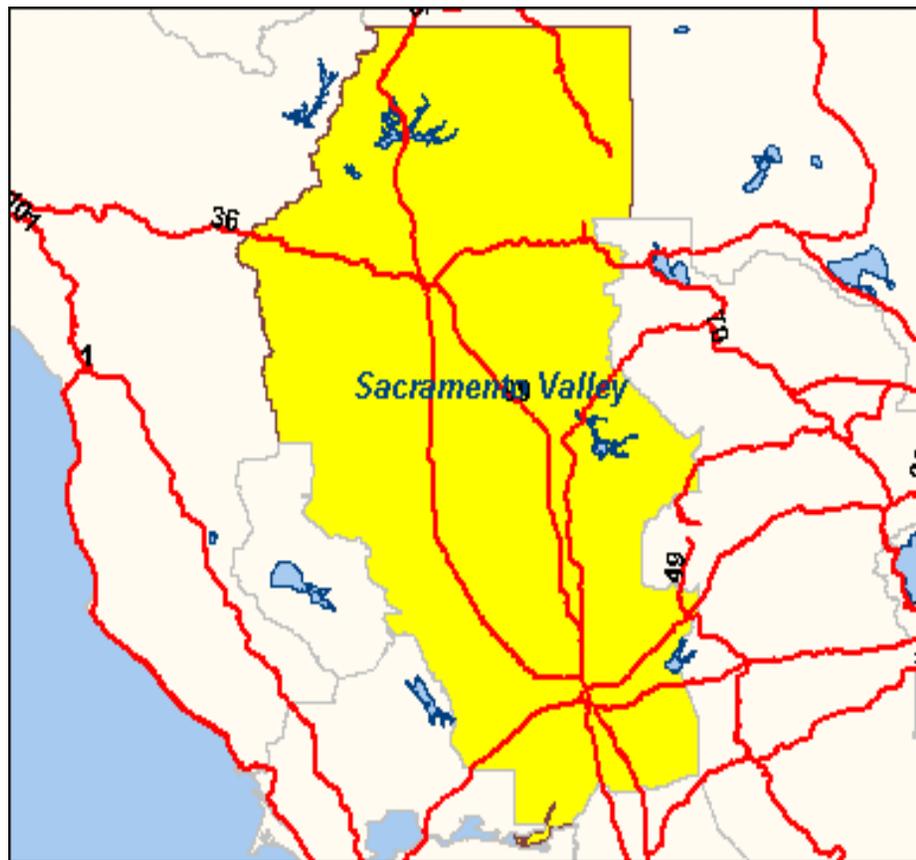
Fresno Project Area



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Sacramento Valley



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