

Future Challenges Leveraging Technology

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Even marginal improvements can yield large benefits in terms of dollars, travel time, etc.



Challenges requiring an integrated approach

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Often the realization of this integration is poor at best



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Policy questions linger, e.g., is reallocating the burden via congestion pricing or ramp metering equitable?



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e.g.,

- Vehicle classification from existing single loop detectors
- Buses as probes and sensor platforms
- AADT from aerial photos



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Create the virtual "water cooler" for the exchange of ideas and ad hoc team building across organizational/disciplinary boundaries



Opportunities for Gov/Indist/Academia

Need to find Government agencies that are interested in truly improving operations and are willing to take R+D risks

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Need to find academics that appreciate the real world challenges faced by operating agencies and are able to push the state of the art and the state of the practice

(what good is research if it only results in a journal article)



What role can UTCs play?

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Foster an environment where government, academics and industry work together

