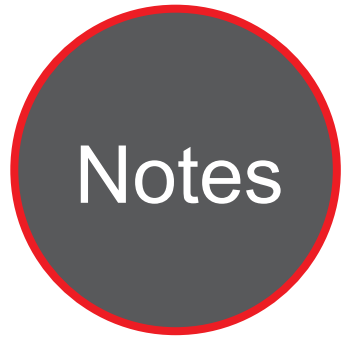




Caltrans Division of Research,
Innovation and System Information

Research



Planning, Policy
and
Programming

APRIL 2019

Project Title:
Addressing the Uncertainty in
the Outcomes of On-Demand
Ridehailing and Sustainable
Transportation in Transportation
Planning and Policy

Task Number: 3313

Start Date: December 1, 2018

Completion Date: August 31, 2019

Task Manager:
Patrick Tyner
Associate Transportation Planner
patrick.tyner@dot.ca.gov

Outcomes of On-Demand Ridehailing

Assessing external factors and determining major hurdles to enable sustainable and equitable outcomes from Ridehailing

WHAT IS THE NEED?

This study builds on current research exploring the perspectives of transportation stakeholders throughout California, on the potential impacts of on-demand ridehailing services and a number of policy approaches to address those impacts. Additionally, this task utilizes interview data collected in early 2018 to investigate two questions:

- How do external factors, including stakeholder type, degree of engagement, and jurisdictional boundaries, affect transportation stakeholders' actions to address potential outcomes of ridehailing services related to congestion, emissions, and equality of access?
- How do external factors, including stakeholder type, degree of engagement, and jurisdictional boundaries, affect transportation stakeholders' perception as major hurdles to establishing policies that will enable the most sustainable and equitable outcomes from these new services?

WHAT ARE WE DOING?

This task will cover all aspects of research related to the two questions, focusing on the external factors of ridehailing, including a review of relevant background documents such as general plans and local ordinances, and a literature review of work related to the impacts of on-demand ridehailing on sustainable transportation outcomes:

Task 1 Review document and literature

The researchers will build a database of key planning and policy activities related to on-demand ridehailing. This will also include compiling academic literature and relevant reports related to the impacts of on-demand ridehailing.



DRISI provides solutions and
knowledge that improves
California's transportation system

Task 2 Utilize interview transcripts

The research analysts will develop a code for the interview content based on interviewees' responses and comments.

Task 3 Analyze interview results

Since activities respondents are currently engaged in on-demand ridehailing, the analysis will provide insight on the major obstacles they see related to integrating on-demand ridehailing with sustainable transportation goals.

Task 4 Follow-up meetings

The research team will discuss research findings with interviewees and other stakeholders; and potential next steps for the development of policies to enhance sustainability and mobility with on-demand ridehailing services. Besides, the research team will produce policy briefs, professional journal articles, and a webinar to demonstrate the research results.

WHAT IS OUR GOAL?

The goal of this research is to better understand the outcomes and impacts of ridehailing in relation to overall mobility. Furthermore, how local governments view the challenges related to these services, as well as what types of support might be needed from regional or state governments.

WHAT IS THE BENEFIT?

Caltrans' mission is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. The rapid adoption of ridehailing services has impacted the way Californians travel and plan for travel.

These impacts need to be fully addressed in Caltrans' planning efforts to improve the sustainability of the state's transportation infrastructure, and moving towards the State's goals of Greenhouse Gas and Vehicle Miles Traveled reduction.

WHAT IS THE PROGRESS TO DATE?

The first Project Panel progress meeting occurred in March 2019.

IMAGES

Interview Participants

Stakeholder Group	Total Population	Interview Completed
26 Randomly Selected City Planning Agencies	Approx. 430	11
City Planning Agencies of California's 26 Largest Cities	26	
Regional Transportation Planning Agencies and Metropolitan Planning Organizations	44	17
State Agencies (Relevant to Natural Resources and/or Transportation)	12	5
Ridehailing Service Providers	11*	1
Interest Groups and Non-profits	25	8
Total**		42

*11 companies held Transportation Network Company permits in CA at the time of project initiation.

**42 interviewees participated, from 39 organizations and agencies