for the Mobility Revolution

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Societal Problem in Community

• Current San Diego transportation system is congested, biased towards cars, and environmentally unsustainable. Moreover, the negative impacts of these problems are highly inequitable with low-income minority communities suffering the most.

Socio-Technical Problem of Community Partner

- Transportation Systems are planned at the regional level by Metropolitan Planning Organizations (MPOs)
- Planning decisions involve infrastructure investments and public policies
- Decision makers lack the requisite tools to optimize and analyze planning of transportation system, in an era with mobility-on-demand services and connected automated vehicles on the horizon

Weekly Research Meetings

- Refine Project Scope
- Refine Research Approach
- Identify Additional Collaborators

Colloquium with California Transpo Executives

- Identify:
- Community Needs
- Regional Planning
- Regional Goals and

Ultimate Beneficiaries

• San Diego Metropolitan Region Residents, Workers, and Visitors

Ultimate Benefits

- Improved Access to Opportunities and Improved Mobility
- A More Equitable and Environmentally Sustainable Transportation System

Immediate Beneficiaries

• SANDAG modelers, planners, and decision makers

Immediate Benefits

• Drastically Improved Decision Support Tools (i.e., Models)

2021 S&CC Principal Investigators' Meeting April 7-9, 2021





Southern ortation /ision and Plans Objectives	Workshops with Community PartnerSANDAG	Inter and F
	 Understand Political Challenges Discuss Potential Policy Levers Discuss Socio-Technical Approach Discuss Modeling Improvements 	 Com Mod Supp Rese

Sustainability

• The Modeling Framework will be developed alongside a community partner who plans to utilize model components in the short term, and the proposed revamped models in the long term.

Transferability

• While the research project aims to address problems in San Diego, the proposed methodological approach will be highly transferable

view other MPO Modelers lanners

pare and Contrast Goals, Policies, els with San Diego ort Transferability of San Diego

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Draft and Submit NSF S&CC IRG Proposal (in Feb. 2021)



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