

Fresno County Regional Transportation Network Vulnerability Assessment SCOPE OF WORK

INTRODUCTION:

The Fresno Council of Governments (Fresno COG) will conduct a vulnerability assessment for the Fresno County region transportation network, which will provide valuable data for local jurisdictions to use and integrate within their General Plans, as well as inform the next update of the Regional Transportation Plan. The Plan will identify areas of the region where the multi-modal transportation network is vulnerable to potential impacts of climate change, such as wildfire, temperature, and precipitation, and identify strategies to remedy those impacts that have co-benefits to public health, natural ecosystems, social equity, the economy, and greenhouse gas emissions.

Project Area Demographics

The project area for the Fresno County Regional Transportation Network will cover Fresno County, which is home to approximately 979,915 residents. Fresno County is culturally diverse, with 52.8% of residents identifying as Hispanic or Latino, 10.8% identifying as Asian, and 5.8% identifying as Black or African American. The median annual household income is \$45,963 with an average household size of 3.16 persons. CalEnviroScreen 3.0 identifies 13 of the 15 incorporated cities, as well as the predominant area of unincorporated Fresno County, as disadvantaged communities. Fresno County has four out of the top ten most disadvantaged communities in the State of California, with 40% of the total 119 disadvantaged census tracts ranked in the top ten percent statewide by CalEnviroScreen 3.0.

RESPONSIBLE PARTIES:

Fresno COG, with assistance from a consultant. A consultant will not be selected until the grant is awarded and will follow standard Fresno COG processes. Estimated consultant costs are included in the project timeline.

OVERALL PROJECT OBJECTIVES:

- Conduct a vulnerability assessment to identify specific areas of the region where the multi-modal transportation network is vulnerable to potential impacts of climate change.
- Recommend adaptation strategies and specific actions to remedy identified climate related vulnerabilities.
- Identify co-benefits of implementation of the adaptation strategies with regard to public health, economy, ecological systems, and social equity considerations.

1. Project Initiation

Task 1.1 Project Kick-Off Meeting

- Fresno COG will hold a kick-off meeting with Caltrans staff to discuss grant procedures and project expectations including invoicing, reporting, and all other project information.
 - Responsible Party: Fresno COG
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Task 1.2 Develop a Request for Proposal for Consultant Services

- Develop and issue a Request for Proposal for consultant services.
- Responsible Party: Fresno COG

Task 1.3 Consultant Selection & Contract Execution

- Review consultant proposals and work with a scoring committee to recommend a preferred consultant. Develop and execute contract with the preferred consultant.
- Responsible Party: Fresno COG

Task	Deliverables
1.1	<i>Meeting Notes</i>
1.2	<i>Request for Proposals – Fresno County Transportation Network Vulnerability Assessment</i>
1.3	<i>Executed Consultant Contract</i>

2. Collaboration and Community Engagement

Task 2.1 Identify Vulnerability Assessment Working Group

- Identify a Vulnerability Assessment Working Group to assist Fresno COG and the consultant in development of the assessment. Fresno COG will invite Caltrans to participate, if desired. Representatives to participate in the Working Group will be solicited from the City of Fresno/Clovis, an eastside city, a westside city, County of Fresno, a transit agency, a public health organization, and a community-based organization or non-profit organization.
- Responsible Party: Fresno COG, Consultant

Task 2.2 Develop a Public Outreach Plan

- Develop a public outreach plan with the support and direction of the Vulnerability Assessment Working Group that is within the proposed timeline and budget. The Public Outreach Plan will outline objectives of the outreach, identify specific activities and roles and responsibilities. It is anticipated that the Public Outreach Plan will include at least three public workshops (in each the metro area, east county, and west county), as well as an online survey.
- Responsible Party: Fresno COG, Consultant

Task 2.3 Engage and Coordinate with Member Agencies to Share Data

- Reach out to local agencies to engage them in the planning process and to collect and share data.
- Responsible Party: Fresno COG, Consultant

Task 2.4 Public Outreach

- Conduct public outreach in line with the Public Outreach Plan developed by Fresno COG, the Consultant, and the Working Group.
- Prepare a memo summarizing results of public outreach.
- Responsible Party: Fresno COG, Consultant

Task	Deliverables
2.1	<i>Working Group Roster</i>
2.2	<i>Public Outreach Plan</i>
2.3	<i>Shared data and files (as necessary)</i>
2.4	<i>Public Outreach Summary Memo</i>

3. Vulnerability Assessment

Task 3.1: Risk Assessment

- Determine risks that are likely to occur in the Fresno County region (e.g. increased average temperature and extreme heat days, flood and severe storm events, increased wildfire threat).
- Responsible Party: Fresno COG, Consultant

Task 3.2: Location Analysis

- Identify specific locations in the multimodal transportation network that are vulnerable to the risks of climate change.
 - Address transportation network vulnerabilities in proximity to disadvantaged and low-income communities, as identified by Senate Bill 535 and Assembly Bill 1550.
- Responsible Party: Fresno COG, Consultant

Task 3.3: Vulnerability Assessment Summary Memo

- Prepare a summary memo for review by Fresno COG and the working group, utilizing input and data received from Task 2.3.
- Responsible Party: Fresno COG, Consultant

Task	Deliverable
3.1	<i>Risk Assessment Data</i>
3.2	<i>Location Analysis Data</i>
3.3	<i>Vulnerability Assessment Summary Memo</i>

4. Adaptation Strategies

Task 4.1. Recommend Adaptation Strategies

- Based on the vulnerability assessment results, develop adaptation strategies that remedy negative impacts on the transportation network. Consider best practices that have been implemented elsewhere. The recommended adaptation strategies should have co-benefits to public health, natural ecosystems, social equity, the economy, and greenhouse gas emissions.
- Responsible Party: Fresno COG, Consultant

Task 4.2. Adaptation Strategies Summary Memo

- Prepare a summary memo for review by Fresno COG and the working group.
- Responsible Party: Fresno COG, Consultant

Task	Deliverables
4.2	<i>Adaptation Strategies Summary Memo</i>

5. Final Report

Task 5.1: Prepare Final Report

- Prepare Final Vulnerability Assessment Report using information from Tasks 2, 3, and 4.
- Responsible Party: Fresno COG, Consultant

Task 5.2: Coordinate with Caltrans for review and approval of final report

- Coordinate with Caltrans for review and approval of the final report.
- Responsible Party: Fresno COG, Consultant

Task	Deliverables
5.1	<i>Final Vulnerability Assessment Report</i>
5.2	<i>Coordinate with Caltrans for review and approval of final report</i>

6. Project Management

Task 6.1: Project Oversight

- Oversee the project process, grant administration, deliverables, coordination with the consultant, the Working Group, Caltrans.
- Responsible Party: Fresno COG

Task 6.2: Requests for Reimbursement

- Submit Requests for Reimbursement to Caltrans no more frequently than monthly but at a minimum quarterly.
- Responsible Party: Fresno COG

Task 6.3: Quarterly Reporting

- Prepare Quarterly progress reports for Caltrans.
- Responsible Party: Fresno COG

Task	Deliverables
6.2	<i>Requests for Reimbursement</i>
6.3	<i>Quarterly Reports</i>