

O'ahu Multi-modal Hub Study Final Scope Of Work

1. Task 1 – Project management and coordination (1 month and project coordination tasks are ongoing) (\$13,616)

The project will be overseen by the State Climate Commission Coordinator (SCCC) and the Hawai'i State Energy Office's Vehicle Miles Traveled and Active Transportation Specialist (VMT-ATS) in cooperation with a technical working group

The consultant will be responsible for project coordination (e.g., preparation and completion of meetings, meeting summaries, tasks, deliverables, progress updates, monthly invoices, etc.). To guide project coordination, the consultant will develop project management protocols, to include:

- Project schedule in MS Project
- Work plan + Project Milestones
- Budget
- Communication protocols/preferences

The project management protocols will be reviewed by project managers for comments, and the consultant shall incorporate comments and revise the draft protocols before finalizing.

Deliverables:

1. Project management protocols
2. Miscellaneous project coordination tasks
3. Technical Working Group (TWG) meetings (monthly, 18), TWG Roster to be provided by SCCC/VMT-ATS
4. Project Management Team meetings (bi-weekly)
5. Project Kick-off Meeting

2. Task 2 – Update, refine, and map state-owned parking facilities inventory (3 months) (\$29,480)

The consultant will provide an independent planning review and quality analysis of state-owned parking inventories completed to date. Consultants will identify parking data gaps and deficiencies in a Parking Facility Needs Assessment which will establish existing conditions and propose a methodology and work products to address the gaps and deficiencies toward the Typology development phase of work in Task 3. The methodology will recommend how to address missing data, and how the data is likely to be applied in the typology identification phase. The completed parking inventory will be mapped using ArcGIS Pro. The consultant will provide all source code, sources, notes and supporting materials for the database.

The consultant will discuss with the working group the draft database and map. The consultant shall incorporate comments and revise the deliverable before finalizing.

Deliverables:

1. Review of State-owned parking facility data
2. Parking Facility Needs Assessment including Data resolution methodology
3. Parking database and map, including GIS shapefiles prepared to meet the submission requirements of the State GIS portal

3. Task 3 – Develop typologies for parking facilities and location analysis (4 months) (\$49,532)

The consultant will develop project guiding principles and evaluation criteria to assess the mobility hub site potential based on existing data, establish the framework for prioritizing sites, and developing mobility hub typologies. The guiding principles will articulate community priorities and mobility needs to inform decision making for hub typology development, site selection, design, and programming by aligning with established plan and policy goals.

The consultant will determine different typologies of shared mobility hubs based on the following characteristics:

- Land use Characteristics: Future and current land use
- Site Characteristics: of facilities, amenities it currently has or could support
- Transportation Characteristics: Transit and Active Transportation

Equity and climate/hazards overlay will be incorporated into the Prioritization exercise below.

The consultant will conduct an analysis to determine where **on O'ahu** mobility hubs will be effective in decreasing the drive alone rate and providing viable, convenient options to the community. A prioritization ranking will be created based on evaluation/prioritization factors, including:

- anticipated demand/usage index,
- the potential to reduce drive alone trips and greenhouse gas emissions,
- size of the catchment area,
- partnership opportunities,
- ability to serve customers of diverse income backgrounds,
- sea level rise, other climate hazards, and the climate vulnerability index.

The consultant will discuss with the working group the typologies, prioritization, and model usage profiles. The consultant shall incorporate comments and revise the deliverable before finalizing.

Deliverables:

1. Guiding Principles and Evaluation Criteria memo
2. Technical memorandum that includes:
 - i. Typology/design guidelines for each identified location, including but not limited to maps, visualizations and other features that will help describe the typologies in detail
 - ii. Identification of potential mobility hub sites based on developed criteria

4. Task 4 – Develop implementation strategies around typologies (4 months) (\$32,372)

The consultant will develop methodology to screen and prioritize potential shared mobility hub locations for implementation based on those that serve the most people (i.e., transit riders, residents, and employees) and improve access to opportunity. The consultant, in partnership with the project managers, and technical working group, will identify 1-3 preferred location and the typologies to provide a “menu of options” for what can be done with these facilities, incorporating financial and implementation perspective, including user fees, and other forms of public property capitalization.

The consultant may include an **action plan on the implementation** of the recommended 1-3 multi-modal hub locations. The primary audience for these guidelines includes Commission staff and member departments, state and county land use, facilities (public works), and transportation planners. Elements of this action plan may include, but are not limited to, the following:

- Coordination between public agencies and with the private sector (including mobility service providers, developers and property managers)
- Public input and engagement
- Marketing, outreach and wayfinding
- Design, placemaking and activation that are context specific
- Nature based solutions
- Metrics and evaluation criteria (including mode shift and placemaking)
- Maintenance
- Electrification (e.g. EV carsharing and piloting charging for bikeshare and scooters)
- Safety, tying into Vision Zero policies and efforts
- Parking provision and management

- Considerations on how to ensure that build out of the mobility hub is consistent with the design
- Cost sharing or funding opportunities
- Accommodating change and growth

The consultant will discuss with the working group the screening methodology, recommended hub locations, and action plan. The consultant shall incorporate comments and revise the deliverable before finalizing.

Deliverables:

1. One action plan for the implementation of Pilot mobility hub(s) program
2. Final Report that includes:
 - i. Summary of previous deliverables
 - ii. Methodology used to screen potential shared mobility hub locations and a list of the identified preferred locations and typologies
 - iii. Action plan, including implementation strategies

Total Budget: \$125,000

Start Date: June 15, 2022

Estimated Timeline: 12 months