



OahuMPO Overall Work Program FY2022
Draft List of Projects
January 2021

Educational framework for Youth Engagement in Oahu's Transportation Planning (UH)

This study aims to develop an educational framework for engaging K-12 students in transportation planning on Oahu from their classrooms. The results will improve the OahuMPO's ability to reach and engage this demographic in regular, meaningful dialog regarding transportation needs and desires, while also informing the development of the 2050 Oahu Regional Transportation Plan update.

Active Transportation Monitoring Data Phase III (DTS)

This project is the third phase of an effort to collect and manage active transportation data, which are first steps toward establishing an Island Wide Active Transportation Monitoring Program. This project will allow for the monitoring of regional trends in bicycle and pedestrian travel volumes.

This project is the third phase of OWP 204.07-21 Active Transportation Monitoring Data project; and is consistent with the regional goals and objectives of the ORTP. The data produced by this project will be shared with regional stakeholder and can be used in the calibration and validation of the Travel Demand Forecasting Model, and in the prioritization of funding for bicycle and pedestrian improvement projects.

Oahu Green Stormwater Infrastructure (GSI) Plan (DTS/DFM)

The City and County of Honolulu's (City) Department of Facility Maintenance (DFM) is proposing to conduct a comprehensive Green Stormwater Infrastructure (GSI) Plan for the Island of Oahu to help identify, plan, analyze and estimate the overall large-scale implementation and maintenance of GSI throughout the island. GSI has been widely documented to be a cost-effective,

resilient approach to managing storm water impacts generated by streets, roadways and highways through the use of vegetation, soils, sand, gravel and other elements to restore some of the natural hydrological processes in order to create healthier urban environments. GSI allows for a multitude of benefits including the ability to effectively manage storm water runoff that is generated when rainfall comes into contact with roadways and other transportation related infrastructure, along with encouraging the replenishment of ground water supplies and provides sustainable long term social and economic benefits.

Web-based Planning Tools for Complete Streets and Transit (DTS)

The objective is to provide tools for staff to perform planning functions for Complete Streets projects and transit improvements in-house thereby reducing dependence on consultant contracts, reducing planning and design costs, and increasing project delivery.

This project will greatly reduce HART and OahuMPO's consultant labor costs by automating tasks that must currently be done manually. It has a Title VI and Environmental Analysis tool and is able to create GTSF outputs for the Travel Demand Forecasting Model.