VI. Prioritization and Selection of Projects
VI. PRIORITIZATION AND SELECTION OF PROJECTS

The selection of projects and programs for inclusion in the STIP underwent a multi-step process. First, a financially unconstrained list of eligible projects was developed statewide as a result of the Call for STIP Projects that was initiated in November of 2009. This list represented a “wish list” of ready to go projects that sponsoring agencies needed/wanted to implement within the next STIP timeframe. There were more needs than funds. The list needs to be financially constrained. The Code of Federal Regulations (23 CFR 450.216(m)) requires that the STIP be a financially constrained document (see Section VII - Financial Plan).

STIP procedures require that each project:

1. Meets the eligibility criteria to qualify for the federal funding category identified in the STIP;

2. Complies with obligation requirements in compliance with AASHTO standards;

3. Reflects priorities set by adopted long-range regional transportation plans and established management systems;

4. Has a committed local match or reasonable expectation thereof at the time of obligation;

5. Meets obligation requirements by the end of the programmed federal fiscal year. “Ready-to-go”;

6. Reflects administrative guidelines and directives developed at the national, state and local levels as appropriate.

The first step in financially constraining the STIP was to determine project eligibility. The majority of projects submitted were eligible, but a few were not and were the first to be cut from the program.

When projects were submitted to HDOT from the counties, it was requested that the state district engineers and county counterparts would get together and develop a composite list of prioritized state and county projects for each island/county. This would be distinctly separate from state and county prioritization of its own individual projects. This is where the financial constraint process really began; giving the state and county highway program managers on each island the most weight to determine what was most important in their county.

At the first round of public informational meetings on the neighbor islands, people in attendance were asked to fill out a STIP project priority survey. This survey asked them to identify the highway projects in their county that they felt were of “high” priority, “medium” priority and “low” priority. These surveys were tallied to portray a
sense of what the public felt were the more immediate needs in each county. The surveys were also available to download from the HDOT STIP website. Comments that were submitted through email or mail that indicated a preference of priority were also tallied and considered. More merit was given to retain funding in place for highway projects that had substantial island-wide support. Less merit was given for projects that were substantially not supported by the public.

Specifically for FHWA funded projects, to help strike a balance between the various types of projects (i.e. maintenance, safety, capacity, etc.) in the overall statewide highway program, a project evaluation criteria methodology was created as a tool to look at the status of STIP projects and help to develop a different perspective for the priority each project has. Criteria were developed to compare projects in seven separate categories:

1. System Preservation projects
2. Safety projects
3. Congestion Mitigation projects
4. Modernization projects
5. Enhancement projects.
6. Human Services
7. Transit

Slightly different criteria were applied to projects on the Oahu TIP than for projects throughout the rest of the state. Oahu projects are subject to metropolitan planning requirements, implemented through the Oahu Metropolitan Planning Organization (OahuMPO).

Human Services Transportation Programs and Transit projects were also analyzed using specific project criteria methodology, but no comparisons were made between FHWA and FTA projects since they are funded by two separate funding sources.

Results of this evaluation, compiled in a chart form are also attached.

Finally, in addition to the above, through agency coordination and public involvement, in October 2008, the Highways Division adopted a guideline for project selection and program prioritization. The general guideline emphasizes specific safety and system preservation efforts.

**Highways Division Project Prioritization Guideline**

The following categories are used to determine overall CIP project priorities for the Highways Division. The overall method is not absolute and is subject to some intangible adjustments.

**First Priority**
1. American Disability Act (ADA) and Environmental Protection Agency (EPA) Compliance Projects
2. Safety Projects
   a. Hazard Elimination Program
   b. Guardrail Installation
   c. Rockfall/Slope Stabilization Mitigation
   d. Emergency Telephones
3. System Preservation Projects
   a. Shoreline Protection
   b. Drainage Improvements
   c. Bridge Program – Bridge Replacement; Bridge Rehabilitation/Widening; Seismic Retrofit; Bridge Lead Abatement; Bridge Repairs; Tunnel Repair
   d. Roadway upgrades (no additional capacity)
   e. Street Light Replacement
   f. Retaining Walls
   g. Shoulder Improvements and/or stabilization
   h. Pavement upgrades/preservation

Next Priority
1. Congestion Relief Projects
   a. Traffic Signal Upgrades
   b. Operational Improvements (intersection improvements)
   c. Intelligence Transportation System (ITS)
   d. Other miscellaneous congestion relief (such as signal optimization)
2. Modernization Projects
   a. Interim Capacity Improvement (road widening)
   b. Regular or New Capacity Improvement (new roads or major widening)

Other Priority
1. Highway Planning and Research
2. Non-highway Improvements (baseyards/maintenance facilities, buildings, etc.)
3. Bicycle/Pedestrian Facilities
4. Beautification/Landscaping
5. Other miscellaneous projects

Projects within each of the sub-category are further prioritized based on inventory and analysis, management systems and various studies.

Other Factors
1. Commitments by current or past administrations
2. Legislative requests
3. Requests or directives by administration
4. Project cost / Optimizing implementation given available funding
5. Lapsing funds
With these many prioritization and selection factors in mind, the information and guidance gathered from the project criteria, the priorities submitted by the counties and the districts and through the public involvement process was then used to shape the statewide needs and produce the final financially constrained FFY 11-14 (+2) STIP.
<table>
<thead>
<tr>
<th>HSTP CODE</th>
<th>DESCRIPTION OF GOALS</th>
<th>HSTP CODE</th>
<th>DESCRIPTION OF OBJECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MOBILITY AND ACCESSIBILITY</strong></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
| G1 | Objective 1: To preserve, maintain, and improve the transportation system infrastructure and facilities. | G101 | A. Improve connectivity of the transportation system.  
B. Increase capacity.  
C. Pursue the maintenance and rehabilitation of the transportation system.  
D. Ensure provision of essential operations and facilities. |
| | Objective 2: To increase the efficiency of the transportation system operations. | G102 | A. Enhance intermodal connectivity.  
B. Employ strategies to reduce transportation demand.  
C. Enhance performance of the transportation system. |
| | Objective 3: To promote alternative transportation mode choice. | G103 | A. Provide a reasonable level and variety of public transit services that adequately meet statewide and community needs.  
B. Provide affordable, viable alternatives that are convenient and accessible.  
C. Promote pedestrian and cyclist safety. |
| | Objective 4: To reduce congestion and delay. | G104 | A. Increase capacity.  
B. Employ strategies to reduce transportation demand. |
| **SAFETY AND SECURITY** | | | |
| G2 | Objective 1: To enhance the safety of the transportation system. | G201 | A. Promote safe facilities and infrastructure.  
B. Promote the safe use of the transportation systems. |
| | Objective 2: To ensure the secure operation and use of the transportation system. | G202 | A. Employ various safety and security measures as required.  
B. Utilize law enforcement at problem locations. |
| **ENVIRONMENT AND QUALITY OF LIFE** | | | |
| G3 | Objective 1: To provide a transportation system, that is environmentally compatible and sensitive to cultural and natural resources. | G301 | A. Provide facilities and infrastructure that are environmentally friendly.  
B. Manage and operate the transportation system in an environmentally responsible manner.  
C. Support environmentally responsible programs and activities. |
| | Objective 2: To ensure that the transportation system supports comprehensive land use policies and livability in urban and rural areas. | G302 | A. Provide a transportation system that supports and enhances quality of life.  
B. Encourage the use of non-motorized transportation modes.  
C. Minimize disruption of existing neighborhoods due to transportation. |
| **ECONOMIC DEVELOPMENT** | | | |
| G4 | Objective 1: To provide and operate a transportation system to accommodate existing and emerging economic developments and opportunities. | G401 | A. Provide a direct, convenient, and physically suitable system for goods movement to transportation facilities and commercial and industrial areas.  
B. To promote efficient and cost effective operations of the transportation system. |
| | Objective 2: To provide a transportation system that balances the need for economic development with quality of life issues. | G402 | A. Make transportation investments that reflect each islands scale and foster the quality of life of the people who live there.  
B. Target transportation investments in coordination with community involvement. |
| **INTEGRATED STATEWIDE PLANNING, PROGRAMMING, AND DECISION-MAKING** | | | |
| G5 | Objective 1: To improve coordination and cooperation between all levels of government, the private sector, and the general public. | G501 | A. Supports and conducts the Statewide Transportation Planning Process.  
B. Improve communication between all levels of government, the private sector, and the general public.  
C. Integrate approved policies, programs, and plans from all levels of government. |
| | Objective 2: To involve the public and stakeholders to the fullest practicable extent in the planning and implementation of the transportation system. | G502 | A. Develop programs to ensure opportunity for public and stakeholders’ involvement.  
B. Ensure responsiveness to public concerns. |
| | Objective 3: To develop and maintain a transportation financial structure that provides adequate and dependable resources. | G503 | A. Optimize all possible financial resources.  
B. Develop an ongoing comprehensive financial program. |
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Bridge Assessment and Replacement Programs</th>
<th>Pavement Management Programs</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2. Bridge Inspection and Appraisal Inventory, inspect and appraise state bridges. Includes underwater inspection, scour analyses, surveys and preparation of plans for bridge repairs, retrofits and replacements.</td>
<td>No</td>
<td>Yes</td>
<td>Private industry funding has been secured</td>
<td>High</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>S2, G201-2, G201-3</td>
</tr>
<tr>
<td>S4. Highway Research and Development Program Supplement the Statewide Planning and Research Program.</td>
<td>No</td>
<td>Yes</td>
<td>Private industry funding is anticipated</td>
<td>Med</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>S2, G201-2, G201-3</td>
</tr>
<tr>
<td>S6. Highway Shoreline Protection, Statewide Funding to implement shoreline protection projects as identified in the State’s shoreline protection plan.</td>
<td>No</td>
<td>Yes</td>
<td>Does not include other financial involvement (i.e. private industry)</td>
<td>Low</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>S2, G201-2, G201-3</td>
</tr>
<tr>
<td>S7. Hawaii Statewide ITS Architectural Plan Develop ITS Architecture Plan for Non-Metro areas of the State (neighb or islands).</td>
<td>No</td>
<td>Yes</td>
<td>Does this project close a gap or connect missing links in a route?</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>S2, G201-2, G201-3</td>
</tr>
<tr>
<td>SYSTEM PRESERVATION PROJECTS</td>
<td>Project Description</td>
<td>Bridge Assessment and Replacement Programs</td>
<td>Pavement Management Programs</td>
<td>Cost Participation</td>
<td>Gap Closure?</td>
<td>Project Stage</td>
<td>SAFETEA-LU Planning Factor</td>
<td>Mandated?</td>
<td>List in Regional Plans</td>
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<tr>
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<tr>
<td></td>
<td></td>
<td>Yes: Project identified through DOT’s Bridge Replacement Program or Honolulu’s Pavement Management System. Honolulu’s Roadway Pavement Condition Survey or other pavement evaluation system.</td>
<td>No: Project did not result from DOT’s Bridge Replacement Program or Honolulu’s Pavement Management System. Honolulu’s Roadway Pavement Condition Survey or other pavement evaluation system.</td>
<td>High: Private industry funding has been secured.</td>
<td>Low: Does not include other financial involvement (i.e. private industry).</td>
<td>High: Planning or Design has already been completed.</td>
<td>Does this project close a gap or connect missing links in a route?</td>
<td>Required by federal, state, or municipal laws, regulations or codes?</td>
<td>Addresses at least one SAFETEA-LU Planning Factor?</td>
</tr>
<tr>
<td>S14. Statewide Pavement and Bridge Preservation Program</td>
<td>System maintenance of highway pavements to extend the life of existing pavements to prevent the shorter term need for full reconstruction. Also to include bridge preservation work to extend the life of existing bridge structures without having to fully reconstruct the structure.</td>
<td>Y</td>
<td>Y</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>S15. Statewide Signing, Striping and Pavement Marking Program</td>
<td>System maintenance to upkeep traffic control devices such as highway signing and striping.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>
### SAFETY PROJECTS

Projects that mitigate high accident and hazardous sites, such as:
- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- street light pole replacement projects
- emergency telephone projects
- Intelligent Transportation System (ITS)

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Railroad Protection Study</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure</th>
<th>Mandated?</th>
<th>Addressed at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportational Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>S5. Highway Safety Improvement Program (HSIP), Non - Infrastructure Funding Program</td>
<td>Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>Yes: Project identified through DOT's Railroad Protection Study</td>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
<td>High: Planning or Design has already been completed</td>
<td>No: The project has not yet begun</td>
<td>No: Project did not result from DOT's Railroad Protection Study</td>
<td>No: Does not close a gap or connect missing links in a route</td>
<td>No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>G103, G201-2, G501</td>
</tr>
<tr>
<td>S10. Safe Routes to School (SR2S) Program</td>
<td>Implement the Safe Routes to School Program to promote walking and biking as a safe and viable transportation alternative, especially in the vicinity of schools.</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td>G101-4, G201-2, G301-2, G402, G501</td>
</tr>
</tbody>
</table>

Statewide - Safety Projects
<table>
<thead>
<tr>
<th>CONGESTION MITIGATION PROJECTS</th>
<th>Project Description</th>
<th>DEPARTMENT OF TRANSPORTATION</th>
<th>STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM: FINANCIALLY CONSTRAINED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STATEWIDE - FHWA</strong></td>
<td></td>
<td></td>
<td>FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only)</td>
</tr>
<tr>
<td>S18</td>
<td>Van Pool Program</td>
<td>Van Pool program funding, statewide.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>High</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>G101-4, G201-2, G301-2, G402, G501-2</td>
</tr>
<tr>
<td>Med</td>
<td>Med</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
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<tr>
<td>Low</td>
<td>Low</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>
## MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Traffic Signal Warrants</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>S9. Public Lands Highways Discretionary Projects</td>
<td>Federal grant program. Projects that are adjacent to or provide access to federal lands are eligible to apply for these funds.</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>G101-2, G501-3</td>
</tr>
<tr>
<td>S16. Technology Transfer and Technical Assistance Program</td>
<td>Conduct training and technology transfer activities for government and private transportation personnel.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>G101-2, G501-2</td>
</tr>
<tr>
<td>S17. Traffic Counting Stations, Various Locations</td>
<td>Construction of statewide traffic counting stations for traffic data gathering and planning purposes.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>G101-2, G301, G501</td>
</tr>
</tbody>
</table>

Statewide - Modernization Projects
## ENHANCEMENT PROJECTS

Transportation enhancement projects, such as:
- bikeway projects
- landscaping projects
- pedestrian facilities projects

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>S8. Pedestrian Facilities and ADA Compliance at Various Locations</td>
<td>Address ADA compliance needs, statewide.</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>S12. Statewide Countdown Pedestrian Signal Head Upgrade, Phase 2</td>
<td>Implement pedestrian signal head upgrade with countdown head.</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>

Statewide - Enhancement Projects
### HUMAN SERVICES TRANSPORTATION PROGRAMS

Human Services programs, such as the following, that assist persons who have been traditionally underserved by the transportation system:
- Job Access and Reverse Commute Program (JARC)
- Elderly and Persons with Disabilities Vehicle Acquisition Program
- New Freedom Program
- Ways to Work Program

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Human Services Transportation Plan</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>S3. Construction Career Days Workforce Development Program</td>
<td>Yes, project is included in the Coordinated Public Transit-Human Services Transportation Plan.</td>
<td>High: Private industry funding has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun.</td>
<td>High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun.</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>G201-2, G501-2</td>
</tr>
<tr>
<td>S19. Rural Transportation Assistance Program (RTAP)</td>
<td>FTA Section 5311(b)(2) Rural Transportation Assistance Program (RTAP).</td>
<td>Y</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>S20. State Administration</td>
<td>FTA Section 5311 Nonurbanized Area Formula Program.</td>
<td>Y</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>S21. Transportation Assistance for Elderly and Disabled</td>
<td>The FTA Section 5310 program provides assistance for the purpose of providing transportation services in meeting the special needs of elderly and disabled persons where mass transportation services are unavailable, insufficient or inappropriate.</td>
<td>Y</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>
## HUMAN SERVICES TRANSPORTATION PROGRAMS

Human Services programs, such as the following, that assist persons who have been traditionally underserved by the transportation system:
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- Elderly and Persons with Disabilities Vehicle Acquisition Program
- New Freedom Program
- Ways to Work Program

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>Cost Participation</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transporational Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>High: Planning or Design has already been completed</td>
<td>High: Private industry funding has been secured</td>
<td>Y</td>
<td>Y</td>
<td>G103, G302, G401, G501-2</td>
<td></td>
</tr>
<tr>
<td>Med: Planning or Design is almost complete</td>
<td>Med: Private industry funding is anticipated</td>
<td>Y</td>
<td>Y</td>
<td>G103, G302, G401, G501-2</td>
<td></td>
</tr>
<tr>
<td>Low: The project has not yet begun</td>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
<td>Y</td>
<td>Y</td>
<td>G103, G302, G401, G501-2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Human Services Transportation Plan</th>
<th>Coordinated Public Transit-Human Services Transportation Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>S22. JARC (non-urban)</td>
<td>Job Access and Reverse Commute Program (Section 5316). The JARC formula grant program aims to improve access to transportation services to employment &amp; employment related activities for welfare recipients and eligible low-income individuals and to transport residents of urbanized areas &amp; nonurbanized areas to suburban employment opportunities.</td>
<td>Coordinated Public Transit-Human Services Transportation Plan</td>
</tr>
<tr>
<td>S23. New Freedom (non-urban)</td>
<td>New Freedom Program (Section 5317). The New Freedom formula grant program aims to provide additional tools to overcome existing barriers facing Americans with disabilities seeking integration into the work force and full participation in society. New Freedom program funds are available for capital and operating expenses that support new public transportation services beyond those required by the ADA and new public transportation alternatives beyond those required by the ADA designed to assist individuals with disabilities with accessing transportation services.</td>
<td>Coordinated Public Transit-Human Services Transportation Plan</td>
</tr>
</tbody>
</table>
### Project Description

**S24. Statewide Planning**

FTA Statwide Planning funds is a broad area that includes formula and discretionary funding under a variety of programs by awarding grants to eligible recipients. These programs provide funding to support cooperative, continuous, and comprehensive planning for making transportation investment decisions statewide. An example of this includes but is not limited to Statewide Planning under Section 5304. Funds may be utilized towards projects that: support economic vitality; increase transportation system safety and; increase security, accessibility and mobility of people and for freight; protect and enhance the environment; promote energy conservation; enhance the integration and connectivity of various modes; promote system efficiencies; and system preservation. To be eligible for funding under these programs, projects and strategies must come from the applicable transportation planning process.

<table>
<thead>
<tr>
<th><strong>Project Description</strong></th>
<th><strong>Maintains Existing System</strong></th>
<th><strong>Completes Multi-Phase Project</strong></th>
<th><strong>Enhances Hub-and-Spoke System</strong></th>
<th><strong>Enhances Safety and Security</strong></th>
<th><strong>New Transit Service</strong></th>
<th><strong>Local Match in Year 1 Budget</strong></th>
<th><strong>Local Match Possible in Years 2, 3 or 4 Budget</strong></th>
<th><strong>Listed in Regional Transportation Plans</strong></th>
<th><strong>HSTP Goals and Objectives Code</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Transit-related projects, such as:</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>- Preventative maintenance</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>G101-4, G201-2, G301-2, G401-2, G501-3</td>
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<tr>
<td>- Bus replacements</td>
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<td>- Intermodal centers</td>
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<tr>
<td>- Transit centers</td>
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<tr>
<td>- Bus radios</td>
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<tr>
<td>- New transit service</td>
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</tr>
</tbody>
</table>
## INITIAL CRITERIA FOR ALL PROJECTS
*Criteria that projects have to meet in order to be included in the TIP*

<table>
<thead>
<tr>
<th>Criteria</th>
<th>(Yes/No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consistency with the Oahu Regional Transportation Plan (ORTP)</td>
<td>Is the project included in the ORTP or consistent with the ORTP goals and objectives? If the project is neither listed in the ORTP nor consistent with the ORTP goals and objectives, the project is not eligible for the TIP.</td>
</tr>
<tr>
<td>Readiness to Go</td>
<td>Ready to obligate by the end of the federal fiscal year? If the project will not be ready to obligate by the end of the federal fiscal year, the project is not eligible for the TIP.</td>
</tr>
<tr>
<td>Availability of Local Match</td>
<td>Is a local match available? If a local match is not committed or reasonably expected to be available at the time of obligation, the project is not eligible for the TIP.</td>
</tr>
</tbody>
</table>
| SAFETEA-LU Planning Factors | Addresses at least one of the following bullets:  
- Supports the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency  
- Increases the safety of the transportation system for all motorized and non-motorized users.  
- Increases the ability of the transportation system to support homeland security and to safeguard the personal security of all motorized and non-motorized users.  
- Increases accessibility and mobility of people and freight.  
- Protects and enhances the environment, promotes energy conservation, improves the quality of life, and promotes consistency between transportation improvements and State and local planned growth and economic development patterns.  
- Enhances the integration and connectivity of the transportation system, across and between modes, for people and freight.  
- Promotes efficient system management and operation.  
- Emphasizes the preservation of the existing transportation system. |
**SYSTEM PRESERVATION PROJECTS**

Projects that upgrade and protect Oahu’s infrastructure investment, such as:

- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS) Projects – see page 7

<table>
<thead>
<tr>
<th>Criteria</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge Replacement Program (State projects)</td>
<td>Project was identified through DOT’s Bridge Replacement Program process</td>
<td></td>
<td>Project did not result from DOT’s Bridge Replacement Program process</td>
<td></td>
</tr>
<tr>
<td>Bridge Inspection and Appraisal (City projects)</td>
<td>Project was identified through the City’s Bridge Inspection and Appraisal</td>
<td></td>
<td>Project did not result from the City’s Bridge Inspection and Appraisal</td>
<td></td>
</tr>
<tr>
<td>Pavement Management System (State projects)</td>
<td>Project was identified through DOT’s Pavement Management System process</td>
<td></td>
<td>Project did not result from DOT’s Pavement Management System process</td>
<td></td>
</tr>
<tr>
<td>Roadway Pavement Condition Survey (City projects)</td>
<td>Project was identified through the City’s Roadway Pavement Condition Survey</td>
<td></td>
<td>Project did not result from the City’s Roadway Pavement Condition Survey</td>
<td></td>
</tr>
<tr>
<td>Cost Participation</td>
<td>Private industry funding has been secured or project is 100% federally funded</td>
<td>Private industry funding is anticipated</td>
<td>Does not include other financial involvement (i.e., private industry)</td>
<td></td>
</tr>
<tr>
<td>Project Stage</td>
<td>Phase of the project (planning or design) has already been completed</td>
<td>Phase of the project (planning or design) is almost complete</td>
<td>The project has not yet begun</td>
<td></td>
</tr>
<tr>
<td>Gap Closure</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Mandated</td>
<td></td>
<td></td>
<td>Required by federal, state, or municipal laws, regulations, or codes?</td>
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<tr>
<td>Transit Friendly</td>
<td></td>
<td></td>
<td>Does the project include improvements to transit facilities such as bus pads and bus bays?</td>
<td></td>
</tr>
</tbody>
</table>
**SAFETY PROJECTS**
Projects that mitigate high accident and hazardous sites, such as:
- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- emergency telephone projects
- ITS Projects – see page 7

<table>
<thead>
<tr>
<th>Criteria</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strategic Highway Safety Plan</td>
<td>Project was identified through DOT’s Strategic Highway Safety Plan</td>
<td>Project did not result from DOT’s Strategic Highway Safety Plan</td>
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<td></td>
</tr>
<tr>
<td>Highway Safety Improvement Program (State and City projects)</td>
<td>Project was identified through DOT’s Highway Safety Improvement Program process</td>
<td>Project did not result from DOT’s Highway Safety Improvement Program process</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rockfall Protection Study at Various Locations on the Island of Oahu (State projects)</td>
<td>High potential for rockfall based on DOT’s Rockfall Protection Study</td>
<td>Medium potential for rockfall based on DOT’s Rockfall Protection Study</td>
<td>Low potential for rockfall based on DOT’s Rockfall Protection Study</td>
<td></td>
</tr>
<tr>
<td>Cost Participation</td>
<td>Private industry funding has been secured or project is 100% federally funded</td>
<td>Private industry funding is anticipated</td>
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<tr>
<td>Transit Friendly</td>
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<td></td>
<td>Does the project include improvements to transit facilities such as bus pads and bus bays?</td>
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</table>

79
### CONGESTION MITIGATION PROJECTS

Projects that increase the efficiency of the highway system, such as:
- traffic signal modernization projects
- operational improvement projects
- ITS projects – see page 7

<table>
<thead>
<tr>
<th>Criteria</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Congestion Management Process (State and City projects)</td>
<td>Project was evaluated as part of OahuMPO’s Congestion Management Process</td>
<td>Project was not evaluated as part of OahuMPO’s Congestion Management Process</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Highway Safety Improvement Program (State and City projects)</td>
<td>Project was identified through DOT’s Highway Safety Improvement Program process</td>
<td></td>
<td>Project did not result from DOT’s Highway Safety Improvement Program process</td>
<td></td>
</tr>
<tr>
<td>Travel Time¹ or Delay Analysis</td>
<td>Travel time savings per day &gt; 1000 hours</td>
<td>Travel time savings per day &lt;= 1000 hours</td>
<td>In the future - Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</td>
<td>In the future - Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</td>
</tr>
<tr>
<td>Project Location</td>
<td>Includes a congestion relief component in the leeward corridor of Oahu</td>
<td>Includes a congestion relief component in other areas of Oahu</td>
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<td></td>
</tr>
<tr>
<td>Cost Participation</td>
<td>Private industry funding has been secured or project is 100% federally funded</td>
<td>Private industry funding is anticipated</td>
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</tr>
<tr>
<td>Traffic Signal Warrants</td>
<td></td>
<td></td>
<td>Traffic signal project meets the criteria in the Traffic Signal Warrants</td>
<td></td>
</tr>
</tbody>
</table>

¹ Travel Time Savings is measured by Vehicle Hours of Travel (VHT) saved. Total systemwide VHT for a base case is computed. Applicable projects are added one at a time, and VHT is recomputed and compared with the base case to find the travel time savings that could be attributed to that particular project. A project is deleted from the base case before another is added.
## CONGESTION MITIGATION PROJECTS, CONTINUED

<table>
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<tr>
<th>Criteria</th>
<th>High</th>
<th>Medium</th>
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<tbody>
<tr>
<td>Gap Closure</td>
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<td></td>
<td></td>
<td>Does the project close a gap or connect missing links in a route?</td>
</tr>
<tr>
<td>Mandated</td>
<td></td>
<td></td>
<td></td>
<td>Required by federal, state, or municipal laws, regulations, or codes?</td>
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<tr>
<td>Transit Friendly</td>
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<td></td>
<td>Does the project include improvements to transit facilities such as bus pads and bus bays?</td>
</tr>
</tbody>
</table>
MODERNIZATION PROJECTS
Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS Projects – see page 7

<table>
<thead>
<tr>
<th>Criteria</th>
<th>High</th>
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<td>Congestion Management Process</td>
<td>Project was evaluated as part of OahuMPO’s Congestion Management Process</td>
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<td>Travel time savings per day &gt; 1000 hours</td>
<td>Travel time savings per day &lt;= 1000 hours</td>
<td>In the future - Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</td>
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</tbody>
</table>

2 Travel Time Savings is measured by Vehicle Hours of Travel (VHT) saved. Total systemwide VHT for a base case is computed. Applicable projects are added one at a time, and VHT is recomputed and compared with the base case to find the travel time savings that could be attributed to that particular project. A project is deleted from the base case before another is added.
MODERNIZATION PROJECTS, CONTINUED

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<td>Required by federal, state, or municipal laws, regulations, or codes?</td>
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<tr>
<td>Transit Friendly</td>
<td></td>
<td></td>
<td></td>
<td>Does the project include improvements to transit facilities such as bus pads and bus bays?</td>
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</tbody>
</table>
**ENHANCEMENT PROJECTS**

Transportation enhancement projects, such as:
- bikeway projects
- landscaping projects
- pedestrian facilities projects

<table>
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<tr>
<th>Criteria</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Yes/No</th>
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</thead>
<tbody>
<tr>
<td>OahuMPO Transportation Enhancement Program (for projects funded with Surface Transportation Program (STP) Enhancement funds)</td>
<td></td>
<td></td>
<td>Is the project included in OahuMPO’s Eligible Oahu Proposals Requesting Transportation Enhancement Funds list?</td>
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<tr>
<td>Non-enhancement funding (for projects NOT funded with STP Enhancement funds)</td>
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<td>Does the project fall under at least one of the twelve eligible transportation enhancement activities?</td>
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<td>Cost Participation</td>
<td>Private industry funding has been secured or project is 100% federally funded</td>
<td>Private industry funding is anticipated</td>
<td>Does not include other financial involvement (i.e., private industry)</td>
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<td>Does the project include improvements to transit facilities such as bus pads and bus bays?</td>
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</tbody>
</table>
**HUMAN SERVICES TRANSPORTATION PROGRAMS**

Human services programs, such as the following, that assist persons who have been traditionally underserved by the transportation system:

- Job Access and Reverse Commute Program
- Elderly and Persons with Disabilities Vehicle Acquisition Program
- New Freedom Program
- Ways to Work Program

<table>
<thead>
<tr>
<th>Criteria</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coordinated Public Transit-Human Services</td>
<td>The program is included in the Coordinated Public Transit-</td>
<td></td>
<td>The program is not included in the Coordinated Public Transit-</td>
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</tr>
<tr>
<td>Transportation Plan</td>
<td>Human Services Transportation Plan</td>
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<td>Human Services Transportation Plan</td>
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</tr>
<tr>
<td>Cost Participation</td>
<td>Private industry funding has been secured or project is 100% federal</td>
<td>Private industry funding is anticipated</td>
<td>Does not include other financial involvement (i.e., private</td>
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<td>Project Stage</td>
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<td>industry)</td>
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<tr>
<td>Mandated</td>
<td>Required by federal, state, or municipal laws, regulations, or codes?</td>
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<tr>
<td>Transit Friendly</td>
<td>Does the project include improvements to transit facilities</td>
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<tr>
<td></td>
<td>such as bus pads and bus bays?</td>
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</tbody>
</table>
INTELLIGENT TRANSPORTATION SYSTEM (ITS) PROJECTS

ITS projects, such as:

- system preservation projects
- safety projects
- congestion mitigation projects
- modernization projects
- transit projects
**TRANSIT PROJECTS**

Transit-related projects such as:
- preventive maintenance
- bus replacements
- intermodal centers
- transit centers
- bus radios
- new transit service

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain and operate existing fixed route bus and complementary paratransit system</td>
<td></td>
</tr>
<tr>
<td>Completes multi-phase project that has started</td>
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</tr>
<tr>
<td>Enhances system performance through implementation of hub-and-spoke system</td>
<td></td>
</tr>
<tr>
<td>Enhances safety/security of passengers and the system and enhances service quality level</td>
<td></td>
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<tr>
<td>New transit service</td>
<td></td>
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<tr>
<td>Year 1 local match in budget</td>
<td></td>
</tr>
<tr>
<td>Years 2, 3 or 4 probable local match in budget</td>
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</tbody>
</table>

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3 Criteria are in ranked order.
### CITY & COUNTY OF HONOLULU - FHWA

<table>
<thead>
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</thead>
<tbody>
<tr>
<td><strong>OC4. Bridge Inspection and Appraisal</strong></td>
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<td>H</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
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<td><strong>OC9. Seismic Bridge Retrofit</strong></td>
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### OAHU - STATE - FHWA

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<tbody>
<tr>
<td><strong>OS1. Castle Hills Access Road Drainage Improvements, Phase II</strong></td>
<td>L</td>
<td>N/A</td>
<td>L</td>
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<td>L</td>
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<td>Y</td>
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<tr>
<td><strong>OS2. Farrington Highway (Route 93), Bridge Rehabilitation, Uiehawa Stream Bridge</strong></td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
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<tr>
<td><strong>OS3. Farrington Highway (Route 93), Bridge Replacement, Maipalaoa Bridge</strong></td>
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H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number
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</thead>
<tbody>
<tr>
<td>OS15. Interstate Route H-1 and Interstate Route H-2, Destination Sign Upgrade/Replacement</td>
<td>Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1 and H-2</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
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<td>Proj.35</td>
<td>G101-2, G201-2</td>
</tr>
<tr>
<td>OS16. Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal</td>
<td>Rehabilitate existing bridge.</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
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<td>Proj.36</td>
<td>G101-2, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>OS21. Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue</td>
<td>Upgrade/replace existing freeway lighting</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
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<td>Proj.35</td>
<td>G101-3, G201-2, G301, G401</td>
</tr>
<tr>
<td>OS24. Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2</td>
<td>Replace, repair, and/or strengthen the Pearl City and Waimalu Viaduct concrete deck and other structural components, including guardrails. Project will be implemented in 5 phases.</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>Y</td>
<td>N</td>
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<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj.36</td>
<td>G101-2, G201-2, G302</td>
</tr>
<tr>
<td>OS29. Interstate Route H-3, Seismic Retrofit, Haleikou Interchange</td>
<td>Retrofit interchange structure to meet current seismic standards.</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
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<td>Y</td>
<td>Proj.36</td>
<td>G101-2, G201-2</td>
</tr>
<tr>
<td>OS30. Interstate Route H-3, Seismic Retrofit, Kapaa Quarry, Structure Nos. 1 &amp; 2 (Inbound &amp; Outbound)</td>
<td>Retrofit interchange structure to meet current seismic standards.</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
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<td>N</td>
<td>N/A</td>
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<td>Y</td>
<td>Y</td>
<td>Proj.36</td>
<td>G101-2, G201-2</td>
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</table>

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number
| OS31. | Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard (Route 65) Interchange | Retrofit interchange structure to meet current seismic standards. | H | N/A | L | N/A | L | L | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2 |
| OS32. | Kalaeloa Roadway Improvements, Vicinity of Barber's Point Naval Air Station | Bring roadways up to City standards and turn the roadway over to the City and County of Honolulu. Roadways include Roosevelt Avenue, Enterprise Avenue, and Coral Sea Road. | L | N/A | L | N/A | L | L | N | N | N | N/A | Y | Y | Y | Obj.6 | G101-2, G201-2, G302 |
| OS33. | Kalanianaole Highway (Route 72), Bridge Replacement, Inaoele Stream Bridge, Waimanalo | Replace the existing bridge. | L | N/A | L | N/A | L | M | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2, G301-2, G401 |
| OS37. | Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge | Rehabilitate the existing bridge. | H | N/A | L | N/A | L | M | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2, G301-2, G401 |
| OS38. | Kamehameha Highway, Bridge Rehabilitation, Kawailoa Stream Bridge | Rehabilitate the existing bridge by widening and strengthening to meet current State standards. | H | N/A | L | N/A | L | L | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2, G301-2, G401 |
|------------------------------|---------------------|-------------------------------------|-------------------------------------|----------------------------------|----------------------------------------|------------------|--------------|-------------|-----------|-----------------|----------------------------------------|-------------------------------|---------------------------|-------------|----------------|------------------|
| OS39. Kamehameha Highway, Bridge Rehabilitation, Laieloa Stream Bridge | Rehabilitate the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie. | H | N/A | L | N/A | M | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2, G301-2, G401 |
| OS40. Kamehameha Highway, Bridge Rehabilitation, Makaua Stream Bridge | Rehabilitate the existing 44-foot long bridge by widening and strengthening to meet current State standards. | H | N/A | L | N/A | M | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2, G301-2, G401 |
| OS41. Kamehameha Highway, Bridge Rehabilitation, Waipilopilo Stream Bridge | Rehabilitate the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula. | H | N/A | L | N/A | M | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2, G301-2, G401 |
| OS42. Kamehameha Highway, Bridge Replacement, Hoolapa Stream (Nanahu) Bridge | Replace the existing bridge. | H | N/A | L | N/A | L | L | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2, G301-2, G401 |
| OS43. Kamehameha Highway, Bridge Replacement, Kaluanui Stream Bridge | Replace the existing bridge. | H | N/A | L | N/A | M | N | N | N | N | N/A | Y | Y | Y | Proj.36 | G101-2, G201-2, G301-2, G401 |

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

Oahu - System Preservation Projects
**SYSTEM PRESERVATION PROJECTS**  

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Bridge Replacement Program (State)</th>
<th>Bridge Inspection &amp; Appraisal (City)</th>
<th>Pavement Management System (State)</th>
<th>Roadway Pavement Condition Survey (City)</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Oahu Regional ITS Architecture Consistency</th>
<th>Addresses SAFETEA-LU Planning Factor(s)?</th>
<th>Local Match Available?</th>
<th>Ready-to-Go?</th>
<th>ORTP Consistency</th>
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<tbody>
<tr>
<td>OS44. Kamehameha Highway, Bridge Replacement, Kaunala Stream Bridge</td>
<td>Replace the existing bridge.</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
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<tr>
<td>OS45. Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge</td>
<td>Replace the existing bridge.</td>
<td>H</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>OS46. Kamehameha Highway, Bridge Replacement, Lauhulu Stream Bridge</td>
<td>Replace the existing bridge.</td>
<td>H</td>
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<td>N/A</td>
<td>N/A</td>
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<td>L</td>
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<tr>
<td>OS47. Kamehameha Highway, Bridge Replacement, Papau Stream (Waipuhi) Bridge</td>
<td>Replace the existing bridge.</td>
<td>H</td>
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<td>N/A</td>
<td>N/A</td>
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<td>L</td>
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<tr>
<td>OS48. Kamehameha Highway, Bridge Replacement, South Kahana Stream Bridge</td>
<td>Replace the existing bridge.</td>
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<td>N/A</td>
<td>N/A</td>
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H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

Oahu - System Preservation Projects

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</thead>
<tbody>
<tr>
<td>Replace the existing multi-girder reinforced bridge on Kamehameha Highway in the vicinity of Wahiawa.</td>
<td>H</td>
<td>N/A</td>
<td>N/A</td>
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<td>Proj.36</td>
<td>G101-2, G201-2, G301-2, G401</td>
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<tr>
<td>OS50. Kamehameha Highway, Bridge Replacement, Waiahole Stream Bridge</td>
<td>Replace the existing concrete structure.</td>
<td>H</td>
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<tr>
<td>OS51. Kamehameha Highway, Bridge Replacement, Waikane Stream Bridge</td>
<td>Replace the existing 44-foot long bridge by widening and strengthening to meet current State standards.</td>
<td>H</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
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<td>Proj.36</td>
<td>G101-2, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>OS52. Kamehameha Highway, Lighting Improvements, Kawaipuna Street to North Punalu’u Bridge</td>
<td>Upgrade/replace roadway lighting from Kawaipuna Street (milepost 20.7) to North Punalu’u Bridge (milepost 23.8).</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
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</tr>
<tr>
<td>OS54. Kamehameha Highway, Rehabilitation, Cane Haul Road Structure, In-bound, Vicinity of Waipahu</td>
<td>Rehabilitate the existing structure.</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
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<td>Proj.36</td>
<td>G101-2, G201-2, G301-2, G401</td>
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Oahu - System Preservation Projects
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<tbody>
<tr>
<td>OS55.</td>
<td>Kamehameha Highway, Rehabilitation, Cane Haul Road Structure, Out-bound, Vicinity of Waipahu</td>
<td>H</td>
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<td>G101-2, G201-2, G301-2, G401</td>
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<tr>
<td>OS72.</td>
<td>Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
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<td>G101-3, G201-2, G301, G401</td>
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<tr>
<td>OS73.</td>
<td>Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa to the H-3 Freeway Overpass</td>
<td>L</td>
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<td>G101-3, G201-2, G301, G401</td>
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<tr>
<td>OS74.</td>
<td>Moanalua Freeway (Route H-201), Seismic Retrofit, Puuloa Interchange, Ramp &quot;A&quot;</td>
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<td>G101-2, G201-2, G301</td>
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<tr>
<td>OS75.</td>
<td>Moanalua Freeway (Route H-201), Seismic Retrofit, Puuloa Separation</td>
<td>H</td>
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<td>L</td>
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<td>G101-2, G201-2, G301</td>
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H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

Oahu - System Preservation Projects
### SAFETY PROJECTS

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<tbody>
<tr>
<td><strong>OC2.</strong> Alapai Transportation Management Center</td>
<td>N/A</td>
<td>N/A</td>
<td>L</td>
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<tr>
<td><strong>OC10.</strong> Traffic Improvements at Various Locations</td>
<td>L</td>
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<tr>
<td><strong>OC12.</strong> Upgrade Pedestrian Signals at Various Locations</td>
<td>L</td>
<td>L</td>
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<td>N</td>
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### CITY & COUNTY OF HONOLULU - FHWA

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<tbody>
<tr>
<td><strong>OS4.</strong> Farrington Highway (Route 93), Intersection Improvements, Haleakala Avenue (Route 8743)</td>
<td>H</td>
<td>H</td>
<td>N/A</td>
<td>M</td>
<td>M</td>
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<tr>
<td><strong>OS5.</strong> Farrington Highway (Route 93), Intersection Improvements, Nanakuli Avenue (Route 8744)</td>
<td>H</td>
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<td>L</td>
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<tbody>
<tr>
<td>OS6.</td>
<td>Farrington Highway (Route 93), Safety Improvements, Vicinity of Leihoku Street to Makau Street</td>
<td>Installation of milled rumble strips on centerline and shoulders; pavement markings, striping and signing.</td>
<td>H</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
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<td>Obj.6</td>
</tr>
<tr>
<td>OS14.</td>
<td>Guardrail and Shoulder Improvements, Various Locations</td>
<td>Install and upgrade guardrails to bridge end post connections, bridge railing, guardrail end terminals, crash attenuators, miscellaneous drainage, and other appurtenant improvements.</td>
<td>H</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
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<tr>
<td>OS19.</td>
<td>Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ai'ikea Avenue</td>
<td>Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.</td>
<td>H</td>
<td>L</td>
<td>N/A</td>
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<td>M</td>
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<tr>
<td>OS20.</td>
<td>Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street (Route 7415) to Punchbowl Street (Route 7516)</td>
<td>Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.</td>
<td>H</td>
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<td>M</td>
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<tr>
<td>OS28.</td>
<td>Interstate Route H-3, Safety Improvements, Vicinity of Kamehameha Highway Off-Ramp to Kaneohe Marine Corps Base Hawaii</td>
<td>Scope includes but is not limited to installation of milled rumble strips on shoulders, pavement markings and signing.</td>
<td>H</td>
<td>H</td>
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<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
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H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

Oahu - Safety Projects

Hawaii Department of Transportation
STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM: FINANCIALLY CONSTRAINED
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<tbody>
<tr>
<td>OS34. Kahananaloa Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I</td>
<td>Construct traffic operational and safety improvements on Kahananaloa Highway, from Olomana Golf Course to Poalima Street. Project includes turning lanes, bus pullouts, and lighting improvements.</td>
<td>H</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj.8</td>
<td>G101-3, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>OS35. Kahananaloa Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II</td>
<td>Construct traffic operational and safety improvements on Kahananaloa Highway, from Poalima Street to Aloiloi Street. Project includes turning lanes, bus pullouts, and lighting improvements.</td>
<td>H</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
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<td>Y</td>
<td>Proj.8</td>
<td>G101-3, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>OS36. Kahananaloa Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase III</td>
<td>Construct traffic operational and safety improvements on Kahananaloa Highway, from Aloiloi Street to Waimanalo Beach Park. Project includes turning lanes, bus pullouts, and lighting improvements.</td>
<td>H</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
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<td>Y</td>
<td>Proj.8</td>
<td>G101-3, G201-2, G301-2, G401</td>
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<tr>
<td>OS56. Kamehameha Highway, Rockfall Protection, Waimea Bay</td>
<td>Initiate rockfall mitigation measures along Kamehameha Highway at Waimea Bay (milepost 5.4 to milepost 5.52).</td>
<td>L</td>
<td>L</td>
<td>H</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
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<td>Y</td>
<td>Y</td>
<td>Proj.5</td>
<td>G101-3, G201-2, G301, G401</td>
</tr>
<tr>
<td>OS57. Kamehameha Highway, Rockfall Protection, Waimea Bay (Sunset Beach Side)</td>
<td>Initiate rockfall mitigation measures along Kamehameha Highway at Waimea Bay (milepost 5.63 to milepost 5.9).</td>
<td>L</td>
<td>L</td>
<td>H</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
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<td>Y</td>
<td>Y</td>
<td>Proj.5</td>
<td>G101-3, G201-2, G301, G401</td>
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Oahu - Safety Projects
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<tbody>
<tr>
<td>OS58. Kamehameha Highway, Safety Improvements, Kahana Valley Road to Kaawa Bridge</td>
<td>Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.</td>
<td>H</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Obj.6</td>
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<tr>
<td>OS59. Kamehameha Highway, Safety Improvements, Vicinity of Makao Road to the Vicinity of Haleaha Road</td>
<td>Extend paved shoulder 2 feet, extend drainage culverts and headwalls, install milled centerline and shoulder line rumble strips, signing and pavement marking.</td>
<td>H</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>OS60. Kamehameha Highway, Safety Improvements, Vicinity of Pohuehue Road to Waikane Valley Road</td>
<td>Scope includes but is not limited to installation of milled rumble strips on centerline and shoulders, superelevation assessment (to determine treatment) along entire segment, shoulder widening, drainage improvements, installation of guardrail and end treatments, pavement markings and signing.</td>
<td>H</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
<td>N</td>
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<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>OS61. Kamehameha Highway, Safety Improvements, Vicinity of Pualalea Street to Malaekahana and Vicinity of Lai-Malo Bridge to Hauula Bridge</td>
<td>Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.</td>
<td>H</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
<td>N</td>
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<td>N/A</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>OS62. Kamehameha Highway, Safety Improvements, Vicinity of Waikane Valley Road to Kahekili Highway</td>
<td>Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.</td>
<td>H</td>
<td>H</td>
<td>N/A</td>
<td>L</td>
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<tr>
<td>OS63. Kamehameha Highway, Shoreline Protection, Vicinity of Hauula</td>
<td>Construct shoreline protection measures for areas in Hauula (14) susceptible to ocean erosion due to high wave action.</td>
<td>L</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Obj.6</td>
<td>G101-2, G201-2, G301</td>
</tr>
<tr>
<td>OS64. Kamehameha Highway, Shoreline Protection, Vicinity of Kaaawa</td>
<td>Construct shoreline protection measures for areas in Kaaawa (10) susceptible to ocean erosion due to high wave action.</td>
<td>L</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Obj. 6</td>
<td>G101-2, G201-2, G301</td>
</tr>
<tr>
<td>OS65. Kamehameha Highway, Shoreline Protection, Vicinity of Punaluu</td>
<td>Construct shoreline protection measures for areas in Punaluu (9) susceptible to ocean erosion due to high wave action.</td>
<td>L</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Obj. 6</td>
<td>G101-2, G201-2, G301</td>
</tr>
<tr>
<td>OS66. Kamehameha Highway, Traffic Improvements, Kahalu to Waimana Bay (Kahekili Highway [Route 63] to Kualoa Stream)</td>
<td>Construct roadway geometric adjustments to improve safety and construct possible intersection improvements along Kamehameha Highway, from Kahekili Highway to Kualoa Stream. Replace two bridge structures.</td>
<td>H</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
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<td>Proj.36</td>
<td>G101-3, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>OS71. Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements</td>
<td>Install and/or upgrade the existing guardrails. Reconstruct and pave road shoulders.</td>
<td>H</td>
<td>L</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
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<td>Proj.35</td>
<td>G101-2, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>OS77. Pali Highway (Route 61), Rockfall Protection Between the Two Tunnels</td>
<td>Reduce possible rockfall and/or landslides along Pali Highway between the two Pali Highway Tunnels.</td>
<td>L</td>
<td>L</td>
<td>H</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj.5</td>
<td>G101-3, G201-2, G301, G401</td>
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<tbody>
<tr>
<td>OS78. Pali Highway (Route 61), Rockfall Protection, Kailua Side of Kailua-Bound Tunnels</td>
<td>Reduce possible rockfall and/or landslides along Pali Highway on the Kailua side of the Kailua Tunnels.</td>
<td>L</td>
<td>L</td>
<td>H</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
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<td>Y</td>
<td>Y</td>
<td>Proj.5</td>
<td>G101-3, G201-2, G301, G401</td>
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#### Oahu - Congestion Mitigation Projects

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<tr>
<td><strong>CONGESTION MITIGATION PROJECTS</strong></td>
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#### CITY & COUNTY OF HONOLULU - FHWA

| OC5. Computerized Traffic Control System | H | L | N/A | M | L | L | N/A | Y | N | N | Y | Y | Y | Y | Proj.4 | OC11-2, G101-2, G104, G201-2, G301-2, G401 |
|-------------------------------------------|----|----|-----|---|---|---|-----|---|---|---|---|---|---|---|---|--------|------------------------------------------|
| Upgrade and expand fiber optic lines, closed-circuit television (CCTV) cameras, data collection and signal control in the urban center and outlying areas for connectivity to the Honolulu Traffic Control Center. | | | | | | | | | | | | | | | | | |

<table>
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<tr>
<th>OC6. Kapolei Parkway (Route 8920), Kunehi Street to Kamokila Boulevard</th>
<th>L</th>
<th>N/A</th>
<th>H</th>
<th>H</th>
<th>M</th>
<th>M</th>
<th>N/A</th>
<th>Y</th>
<th>N</th>
<th>Y</th>
<th>N/A</th>
<th>Y</th>
<th>Y</th>
<th>Y</th>
<th>Proj.2 6</th>
<th>OC11-4, G201-2, G301-2, G401</th>
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<tbody>
<tr>
<td>Construct Kapolei Parkway from Kanuehi Street to Kamokila Boulevard. Kamokila Boulevard to Kama'aha Avenue will be federally funded. The segment from Kama'aha Avenue to Kunuehi Street will be locally funded.</td>
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| OC11. Traffic Signals at Various Locations | H | L | N | M | L | L | Y | N/A | Y | N | Y | Y | Y | Y | Proj.3 4 | OC11-4, G201-2, G301-2, G401 |
|--------------------------------------------|----|----|---|---|---|---|----|-----|---|---|---|---|---|---|---|--------|--------------------------------|
| Install, modify and upgrade traffic signals island wide, including ADA improvements, signs and markings and interties. The project provides for the safe and orderly movements of pedestrians and vehicles at high-risk intersections. The project upgrades existing intersections, adds left turn phases, increases signal visibility and coordination. | | | | | | | | | | | | | | | | | |

### CITY & COUNTY OF HONOLULU - FTA

| OC20. Transfer to FHWA for Vanpool | L | L | L | H | L | H | N | N | Y | N | N/A | Y | N/A | Y | Proj.7 | OC11-4, G201-2, G301-2, G401 |
|-----------------------------------|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--------------------------------|
| Transfer FTA funds to FHWA for HDOT's Vanpool program. | | | | | | | | | | | | | | | | | |

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**CONGESTION MITIGATION PROJECTS**

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<tr>
<td>OS8. Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 1C</td>
<td>The project consists of installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements. This project will be implemented in phases.</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>H</td>
<td>L</td>
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<td>N/A</td>
<td>N</td>
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<td>N</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>OS9. Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2A</td>
<td>The project consists of installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements. This project will be implemented in phases.</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>H</td>
<td>L</td>
<td>L</td>
<td>N/A</td>
<td>N</td>
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<td>N</td>
<td>Y</td>
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<td>Y</td>
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<tr>
<td>OS10. Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2B</td>
<td>The project consists of installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements. This project will be implemented in phases.</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>H</td>
<td>L</td>
<td>L</td>
<td>N/A</td>
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Oahu - Congestion Mitigation Projects
| OS11. Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 3A | The project consists of installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements. This project will be implemented in phases. | N/A | L | N/A | H | L | L | N/A | N | N | Y | Y | Y | Y | Proj.4 | G101-2, G104, G201-2, G301-2, G401 |
| OS12. Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), System Manager | The Freeway Management System's System Manager will assist the State with managing and guiding the Intelligent Transportation System (ITS) program. This includes software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning. | N/A | L | N/A | H | L | L | N/A | N | N | Y | Y | Y | Y | Proj.4 | G101-2, G104, G201-2, G301-2, G401 |
| OS13. Freeway Service Patrol | Operate roving service patrols. Services include towing of disabled vehicles, removing debris, providing basic fire extinguisher use, deploying traffic control devices, assisting the HPD, HFD, and EMS at crash scenes & other incidents, assisting sick or injured motorists with basic first aid, & notifying 911 of incidents. | N/A | L | N/A | H | L | H | N/A | N | N | Y | Y | Y | Y | Proj.4 | G101-2, G201-2, G301-2, G401 |
| OS23. Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp | Improve operation and capacity on the westbound H-1 freeway by modifying the weaving movements between the Lunalilo Street On-ramp and the Vineyard Boulevard Off-Ramp by restriping freeway lanes from the Punahou Street On-ramp to the Pali Highway Off-ramp. | N/A | L | N/A | M | L | M | N/A | N | N | N | N/A | Y | Y | Y | Proj.1 6 | G101-2, G104, G201-2, G301-2, G401 |
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<tr>
<td><strong>OS53.</strong> Kamehameha Highway, Realignment, Vicinity of Kawailoa Beach</td>
<td></td>
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<td>Plan a new highway which would bypass a portion of Kamehameha Highway, on the North Shore. The project proposes to construct a realignment of Kamehameha Highway, from Haleiwa to the vicinity of Waimea Bay, a total distance of approximately 4.2 miles.</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>M</td>
<td>L</td>
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</tr>
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<td><strong>OS80.</strong> Vanpool Program, Oahu</td>
<td></td>
<td></td>
<td></td>
<td>Encourage ridesharing during the peak commuting hours to reduce congestion by providing qualified users with a State-subsidized van.</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>H</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>N</td>
<td>N</td>
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</tbody>
</table>

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

Oahu - Congestion Mitigation Projects
<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>OC7. Makakilo Drive (Route 8810) Extension</td>
<td>Construct an extension of Makakilo Drive from Palehua Subdivision to the H-1 Freeway</td>
<td>N/A</td>
<td>N/A</td>
<td>H</td>
<td>M</td>
<td>L</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
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<td>Proj.29</td>
<td>G101-4, G201-2, G302, G401, G502</td>
<td></td>
</tr>
<tr>
<td>OC8. Salt Lake Boulevard (Route 7311), Widening, Maluna Street to Ala Lilikoi Street</td>
<td>Widen Salt Lake Boulevard from two to six lanes, between Maluna Street and Ala Lilikoi Street.</td>
<td>H</td>
<td>L</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>L</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>Obj.11</td>
<td>G101-2, G104, G201-2, G302, G401, G502</td>
</tr>
<tr>
<td>OS7. Fort Barrette Road (Route 901), Widening, Farrington Highway (Route 9107) to Barber's Point Gate</td>
<td>Widen Fort Barrette Road to four lanes and construct other improvements, including right- and left-turn lanes, sidewalk, bikeway, highway lighting, drainage, traffic signals, landscaping, and other improvements.</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>H</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj.12</td>
<td>G101-4, G201-2, G302, G401, G502</td>
</tr>
<tr>
<td>OS17. Interstate Route H-1, Eastbound Improvements, Vicinity of Ola Lane to Vineyard Boulevard Off-Ramp</td>
<td>Construct an additional lane on Interstate Rte H-1 in the eastbound direction from the vicinity of Middle Street/Ola Lane to the vicinity of the H-1 Vineyard Boulevard off-ramp.</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>H</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
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<td>Y</td>
<td>Y</td>
<td>Proj.15</td>
<td>G101-2, G104, G201-2, G302, G401, G502</td>
</tr>
</tbody>
</table>

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Oahu - Modernization Projects
### MODERNIZATION PROJECTS

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>OS18. Interstate Route H-1, Eastbound Improvements, Ward Avenue (Route 7511) On-Ramp to University Interchange</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>M</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj.23</td>
</tr>
<tr>
<td>OS22. Interstate Route H-1, Kapolei Interchange Complex</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>H</td>
<td>M</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj.14</td>
</tr>
<tr>
<td>OS25. Interstate Route H-1, PM Contraflow, Westbound, Waiau Interchange Improvements, Phase I</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>H</td>
<td>L</td>
<td>M</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj.19</td>
</tr>
<tr>
<td>OS26. Interstate Route H-1, Waiau Interchange to Halawa Interchange, Widening, Eastbound</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>H</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
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<td>Y</td>
<td>Y</td>
<td>Proj.45</td>
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</tbody>
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## MODERNIZATION PROJECTS

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<tr>
<th>Project Description</th>
<th>Congestion Management Process</th>
<th>Highway Safety Improvement Program</th>
<th>Travel Time or Delay Analysis</th>
<th>Project Location</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Transit Friendly?</th>
<th>Oahu Regional ITS Architecture Consistency</th>
<th>Addresses SAFETEA LU Planning Factor(s)?</th>
<th>Local Match Available?</th>
<th>Ready-To-Go?</th>
<th>ORTP Consistency</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS27. Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>H</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
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<td>Y</td>
<td>Proj.21</td>
<td>G101-2, G104, G201-2, G302, G401, G502</td>
</tr>
<tr>
<td>OS68. Kamehameha Highway, Widening, Lanikuhana Avenue (Route 7042) to Ka Uka Boulevard (Route 7160)</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>H</td>
<td>L</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
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<td>Y</td>
<td>Proj.25</td>
<td>G101-4, G201-2, G302, G401, G502</td>
</tr>
<tr>
<td>OS76. North-South Road (Kualakai Parkway) (Route 8930), Kapolei Parkway (Route 8920) to Vicinity of the H-1 Freeway, Phase II</td>
<td>N/A</td>
<td>L</td>
<td>H</td>
<td>H</td>
<td>L</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj.28</td>
<td>G101-2, G104, G201-2, G302, G401, G502</td>
</tr>
<tr>
<td>OS81. Vineyard Boulevard (Route 98), Improvements, Vicinity of Queen's Medical Center</td>
<td>N/A</td>
<td>L</td>
<td>N/A</td>
<td>M</td>
<td>H</td>
<td>M</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Obj.9</td>
<td>G101-2, G104, G201-2, G302, G401</td>
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</tbody>
</table>

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

Oahu - Modernization Projects

107
### Project Description

- **Project Stage**: Gap Closure?
- **Cost Participation**: Non-Enhancement Funding
- **Enhancement Program**: Project Stage
- **Gap Closure?**: Mandated?
- **Transit Friendly?**: Oahu Regional ITS Architecture Consistency
- **Address SAFETEA-LU Planning Factor(s)?**: Addresses SAFETEA-LU Planning Factor(s)?
- **Local Match Available?**: Ready-to-Go?
- **ORTP Consistency**: Oahu - Enhancement Projects
- **HSTP Goals and Objectives Code**: Obj. 15

### CITY & COUNTY OF HONOLULU - FHWA

| OC3. | Bicycle Projects | This is an ongoing island wide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects and the upgrade of existing bicycle facilities. | N | Y | L | L | Y | N | N | N/A | Y | Y | Y | G101-4, G201-2, G301-2, G401, G501 |

### OAHU : STATE - FHWA

| OS67. | Kamehameha Highway, Wetland Enhancement, Vicinity of Ukoa Pond | Enhance wetlands near Ukoa Pond as a mitigation for previous impacts and wetland banking for future use. This is a wetland mitigation project on the North Shore that is related to the construction of the Haleiwa Bypass Road. | N | Y | L | M | N | Y | N | N/A | Y | Y | Y | Obj. 14 G301 |

| OS69. | Leeward Bikeway, Phase I, Waipio Point Access Road to Hawaii Railroad Society Train Station | Improve the bikeway/bike path from the Waipio Point Access Road to the northeast end of the existing West Loch Bikepath and from the southwest end of the existing West Loch bikepath to the Hawaii Railway Society Train Station. | Y | N/A | L | M | N | N | N | N/A | Y | Y | Y | Proj. 2 G101-4, G201-2, G301-2, G401 |
## DEPARTMENT OF TRANSPORTATION
### STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM: FINANCIALLY CONSTRAINED
#### FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only)

**Revision Effective Date: September 1, 2010**

### ENHANCEMENT PROJECTS

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<tr>
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</thead>
<tbody>
<tr>
<td><strong>OS70. Leeward Bikeway, Phase II, Hawaii Railroad Society Train Station to Lualualei Naval Road</strong></td>
<td>Improve the bikeway/bike path from the Hawaii Railway Society Train Station to Lualualei Naval Road.</td>
<td>Y</td>
<td>N/A</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Proj. 2</td>
</tr>
<tr>
<td><strong>OS79. Recreational Trails Program</strong></td>
<td>A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Obj.14</td>
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<tr>
<td>CITY &amp; COUNTY OF HONOLULU - FTA</td>
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<tr>
<td>OC13. Agency-Provided Trips</td>
<td>To operate transportation services that would help reduce the number of trips on The Handi-Van and lower operating costs while improving service.</td>
<td>H L L N N N/A Y Y Y</td>
<td></td>
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<td>Obj.5</td>
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</tr>
<tr>
<td>OC16. Local Shuttle Service</td>
<td>To maintain and expand shuttle services provided at Kalaeloa homeless shelter sites and the Campbell Industrial Park to address transportation needs of low income persons.</td>
<td>H M L N N N/A Y Y Y</td>
<td></td>
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<td></td>
<td></td>
<td>Obj.5</td>
<td></td>
</tr>
<tr>
<td>OC18. Mobility Management Center</td>
<td>To coordinate transit and human service transportation to improve access to transportation for seniors, people with disabilities, and persons with low incomes.</td>
<td>H L L N N N/A Y Y Y</td>
<td></td>
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<td>Obj.5</td>
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</table>

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number
### CITY & COUNTY OF HONOLULU - FHWA

**OC1. Alapai Transit Center Multi-Use Path**
Construct a multi-use path between Alapai Street and Kealamaikai Street. This will serve as a connection of the multi-use path from Ewa of Alapai to Hotel Street and will provide a path for pedestrians and bicyclists.

<table>
<thead>
<tr>
<th>Maintain Existing System</th>
<th>Complete Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match Probable In Years 2, 3 or 4 Budget</th>
<th>Local Match Available?</th>
<th>Ready-to-Go?</th>
<th>ORTP Consistency</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
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</tbody>
</table>

Proj.1

G101-4, G201-2, G301-2, G401

### CITY & COUNTY OF HONOLULU - FTA

**OC14. Bus and Handi-Van Acquisition Program**
Purchase replacement transit buses and handi-van vehicles at estimated vehicle cost.

<table>
<thead>
<tr>
<th>Maintain Existing System</th>
<th>Complete Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match Probable In Years 2, 3 or 4 Budget</th>
<th>Local Match Available?</th>
<th>Ready-to-Go?</th>
<th>ORTP Consistency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Y</td>
<td>N/A</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

Obj.2

G101-4, G201-2, G301-2, G401, G501

**OC15. Honolulu High-Capacity Transit Corridor Project**
Design and construct a fixed guideway system between East Kapolei and Ala Moana Center. The system includes stations and related appurtenances, park-and-ride facilities, a maintenance and storage facility, light metro vehicles and associated core systems.

<table>
<thead>
<tr>
<th>Maintain Existing System</th>
<th>Complete Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match Probable In Years 2, 3 or 4 Budget</th>
<th>Local Match Available?</th>
<th>Ready-to-Go?</th>
<th>ORTP Consistency</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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</tr>
</tbody>
</table>

Proj.31

G101-4, G201-2, G301-2, G401, G502

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**Notes:**
- H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number
- Oahu - Transit Projects
<table>
<thead>
<tr>
<th>TRANSIT PROJECTS</th>
<th>Project Description</th>
<th>Maintains Existing System</th>
<th>Completes Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match in Year 1 Budget</th>
<th>Local Match Probable in Years 2,3 or 4 Budget</th>
<th>Oahu Regional ITS Architecture Consistency Address(es) SAFETEA-LU Planning Factor(s)?</th>
<th>Local Match Available?</th>
<th>Ready-to-Go?</th>
<th>ORTP Consistency</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC17.</td>
<td>Middle Street Intermodal Center</td>
<td>Y</td>
<td>Y</td>
<td>N/A</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Proj.33</td>
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<tr>
<td>OC19.</td>
<td>Preventive Maintenance</td>
<td>Y</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Proj.34</td>
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<tr>
<td>OC21.</td>
<td>Transit Safety and Security Projects</td>
<td>Y</td>
<td>N</td>
<td>N/A</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Obj.6</td>
</tr>
<tr>
<td>OC22.</td>
<td>West Oahu Bus and Handi-Van Maintenance Facility</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
<td>N/A</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Proj.34</td>
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## DEPARTMENT OF TRANSPORTATION
### STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM: FINANCIALLY CONSTRAINED
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<table>
<thead>
<tr>
<th>TRANSIT PROJECTS</th>
<th>Project Description</th>
<th>Maintain Existing System</th>
<th>Complete Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match In Year 1 Budget</th>
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<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC23. Windward Transit Center</td>
<td>Plan, design, construct and inspect a transit center in Windward, Oahu.</td>
<td>N/A</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>Proj.33</td>
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</tbody>
</table>

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

Oahu - Transit Projects
### Project Description

**Project Description**
- Rehabilitation and resurfacing of the westerly 5-miles of Crater Rim Road. It will also include rehabilitation or expansion of a number of parking areas within the park.

**HS5. Hawaii Belt Road (Route 19), Bridge Repair and Painting, Umauma Bridge**
- Rehabilitate existing bridge.

**HS6. Hawaii Belt Road (Route 19), Bridge Replacement, Pahoehoe Stream Bridge**
- Rehabilitate existing bridge.

**HS16. Hilo Bayfront Highway (Route 19), Shoreline Protection**
- Construct groin fields in phases along Hilo Bayfront.

**HS19. Kawaihae Road (Route 19), Waiake Bridge Replacement and Realignment of Approaches**
- Replacing the existing Waiake Stream Bridge, realigning the bridge approaches, reconstructing the Route 19/Route 250 intersection and installing safety improvements.

---

Table: Hawaii System Preservation Projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Bridge Assessment and Replacement Programs</th>
<th>Pavement Management Programs</th>
<th>Cost Participation</th>
<th>Gap Closure</th>
<th>Project Stage</th>
<th>Mandated?</th>
<th>High-Priority Projects</th>
<th>Gap Closing Finalized?</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS3. Crater Rim Road (NPS)</td>
<td>Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection &amp; Appraisal process or other bridge programming system. No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection &amp; Appraisal process or other bridge programming system.</td>
<td>Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system. No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system.</td>
<td>High: Private industry funding has been secured. Med: Private industry funding is anticipated. Low: Does not include other financial involvement (i.e. private industry).</td>
<td>High: Planning or Design has already been completed. Med: Planning or Design is almost complete. Low: The properties are not yet in the planning or design stage.</td>
<td>High: Planning or Design has already been completed. Med: Planning or Design is almost complete. Low: The properties are not yet in the planning or design stage.</td>
<td>Required by federal, state, or municipal laws, regulations, or codes?</td>
<td>Does this project close a gap or connect missing links in a route?</td>
<td>Addresses at least one SAFETY-EPLU Planning Factor?</td>
</tr>
<tr>
<td>HS5. Hawaii Belt Road (Route 19), Bridge Repair and Painting, Umauma Bridge</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>HS6. Hawaii Belt Road (Route 19), Bridge Replacement, Pahoehoe Stream Bridge</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>HS16. Hilo Bayfront Highway (Route 19), Shoreline Protection</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
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<tr>
<td>HS19. Kawaihae Road (Route 19), Waiake Bridge Replacement and Realignment of Approaches</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>
### SYSTEM PRESERVATION PROJECTS

Projects that upgrade and protect infrastructure investments, such as:
- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS)

### Project Description

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Bridge Assessment and Replacement Programs</th>
<th>Pavement Management Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes: Project Identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection &amp; Appraisal process or other bridge programming system</td>
<td>Yes: Project Identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system</td>
</tr>
<tr>
<td></td>
<td>No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection &amp; Appraisal process or other bridge programming system</td>
<td>No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system</td>
</tr>
</tbody>
</table>

### Cost Participation

- **High:** Private industry funding has been secured
- **Med:** Private industry funding is anticipated
- **Low:** Does not include other financial involvement (i.e. private industry)

### Project Stage

- **High:** Planning or Design has already been completed
- **Med:** Planning or Design is almost complete
- **Low:** The project has not yet begun

### Gap Closure?

- Does this project close a gap or connect missing links in a route?

### Mandated?

- Required by federal, state, or municipal laws, regulations or codes?

### SAFE-Hawaii Planning Factor?

- Addresses at least one SAFE-Hawaii Planning Factor?

### Listed in Regional Transportation Plans

- Hawaii - System Preservation Projects

### HISTP Goals and Objectives Code

- Revision Effective Date: September 1, 2010
- FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only)

<table>
<thead>
<tr>
<th>HS29. Mamalahoa Highway (Route 11), Hilea Bridge Replacement</th>
<th>Replace existing bridge.</th>
<th>Y</th>
<th>N</th>
<th>L</th>
<th>L</th>
<th>N</th>
<th>N</th>
<th>Y</th>
<th>N</th>
<th>G101-2, G201-2, G301-2, G401</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC1. Alii Drive (Route 186) Culvert Replacement</td>
<td>Replacement of an existing culvert with a new bridge and transitional structures at Alii Drive.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>HC5. Bridge Inspection and Appraisal</td>
<td>Inspection of county-maintained bridges as required by FHWA.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2</td>
</tr>
<tr>
<td>HC6. Kaahakini Bridge Rehabilitation</td>
<td>Replacement of an existing bridge including transitional structures.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>HC7. Kaiminani (Route 198) Resurfacing (Mamalahoa Highway (Rte 190) to Queen Kaahumanu Highway (Rte19))</td>
<td>Resurfacing approximately 3.6 miles of Kaiminani from the Mamalahoa Hwy to the Queen Kaahumanu Hwy. Work to include road bed reconstruction, shoulder/driveway repairs and drainage improvements.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2, G301, G401</td>
</tr>
</tbody>
</table>
### SYSTEM PRESERVATION PROJECTS

Projects that upgrade and protect infrastructure investments, such as:
- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS)

#### Project Description

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC8. Kamehameha Avenue (Route 1910) Resurfacing, Wailoa Bridge to Ponahawai Street</td>
<td>Resurfacing approx. 0.75 miles of Kamehameha Ave. from the end of State Hwy at Wailoa Bridge to Ponahawai St. Work to include road bed reconstruction, sidewalk/driveway repairs, drainage, sidewalk and ADA improvements.</td>
</tr>
<tr>
<td>HC12. Reed’s Island Bridge Rehabilitation</td>
<td>Replacement of an existing bridge including transitional structures.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bridge Assessment and Replacement Programs</th>
<th>Yes: Project identified through DOT’s Bridge Replacement Program, Honolulu’s Bridge Inspection &amp; Appraisal process or other bridge programming system</th>
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</thead>
<tbody>
<tr>
<td>No: Project did not result from DOT’s Bridge Replacement Program, Honolulu’s Bridge Inspection &amp; Appraisal process or other bridge programming system</td>
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<table>
<thead>
<tr>
<th>Pavement Management Programs</th>
<th>Yes: Project identified through DOT’s Pavement Management System, Honolulu’s Roadway Pavement Condition Survey or other pavement evaluation system</th>
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<tr>
<td>No: Project did not result from DOT’s Pavement Management System, Honolulu’s Roadway Pavement Condition Survey or other pavement evaluation system</td>
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<tr>
<th>Cost Participation</th>
<th>High: Private industry funding has been secured</th>
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<tbody>
<tr>
<td>Med: Private industry funding is anticipated</td>
<td></td>
</tr>
<tr>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
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</table>

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>High: Planning or design has already been complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Med: Planning or design is almost complete</td>
<td></td>
</tr>
<tr>
<td>Low: The properties of the project have not begun</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gap Closure?</th>
<th>Does the project close a gap or connect missing links in a route?</th>
</tr>
</thead>
</table>

| Mandated? | Required by federal, state or municipal laws, regulations or codes? |

<table>
<thead>
<tr>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Improvement Plan</th>
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<tr>
<th>HSTP Goals and Objectives Code</th>
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</thead>
<tbody>
<tr>
<td>HC8. Kamehameha Avenue (Route 1910) Resurfacing, Wailoa Bridge to Ponahawai Street</td>
</tr>
<tr>
<td>HC12. Reed’s Island Bridge Rehabilitation</td>
</tr>
</tbody>
</table>

Hawaii - System Preservation Projects
### SAFETY PROJECTS

Projects that mitigate high accident and hazardous sites, such as:
- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- street light pole replacement projects
- emergency telephone projects
- Intelligent Transportation System (ITS)

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Rockfall Protection Study</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improve guardrail and shoulders.</td>
<td>Yes: Project identified through DOT's Highway Safety Improvement Program</td>
<td>Yes: Project identified through DOT's Rockfall Protection Study</td>
<td>High: Private industry funding has been secured</td>
<td>High: Planning or Design has already been completed</td>
<td>Low: The project has not yet begun</td>
<td>No</td>
<td>Yes</td>
<td>N</td>
<td>G101-3, G201-2, G301, G401</td>
</tr>
<tr>
<td>Improve guardrail and shoulders along Hawaii Belt Road from Kaumoali Bridge towards Waipunahina Bridge.</td>
<td>No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>No: Project did not result from DOT's Rockfall Protection Study</td>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
<td>Low: The project has not yet begun</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>N</td>
<td>G101-3, G201-2, G301, G401</td>
</tr>
<tr>
<td>Improve guardrail and shoulders from Kealakaha Bridge to Kaula Bridge.</td>
<td>No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>No: Project did not result from DOT's Rockfall Protection Study</td>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
<td>Low: The project has not yet begun</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>N</td>
<td>G101-3, G201-2, G301, G401</td>
</tr>
<tr>
<td>Improve guardrail and shoulders along Hawaii Belt Road from Papalele Road towards Kaumoali Bridge.</td>
<td>No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>No: Project did not result from DOT's Rockfall Protection Study</td>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
<td>Low: The project has not yet begun</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>N</td>
<td>G101-3, G201-2, G301, G401</td>
</tr>
<tr>
<td>SAFETY PROJECTS</td>
<td>Project Description</td>
<td>Highway Safety Improvement Program</td>
<td>Rockfall Protection Study</td>
<td>Cost Participation</td>
<td>Project Stage</td>
<td>Mandated?</td>
<td>Gap Closure?</td>
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<tr>
<td></td>
<td></td>
<td>Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program. No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program Study.</td>
<td>Yes: Project identified through DOT's Rockfall Protection Study. No: Project did not result from DOT's Rockfall Protection Study.</td>
<td>High: Private industry funding has been secured. Medium: Private industry funding is anticipated. Low: Does not include other financial involvement (i.e. private industry).</td>
<td>High: Planning or Design has already been completed. Medium: Planning or Design is almost complete. Low: The project is not yet begun.</td>
<td>Requires federal, state, or municipal laws, regulations, or codes?</td>
<td>Does this project close a gap or connect missing links in a road?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HS11</td>
<td>Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Kaala Bridge Towards Kealakaha Bridge</td>
<td>Improve guardrail and shoulders from Kaala Bridge to Kealakaha Bridge.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>HS12</td>
<td>Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Waipunahina Bridge to East Paauilo Bridge</td>
<td>Improve guardrail and shoulders from Waipunahina Bridge to E. Paauilo Bridge.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>HS13</td>
<td>Hawaii Belt Road (Route 19), Rockfall Protection at Various Sections, Phase I (Laupahoehoe Gulch)</td>
<td>Slope protection along Route 19, Hawaii Belt Road, in the vicinity of Laupahoehoe Gulch.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>HS14</td>
<td>Hawaii Belt Road (Route 19), Rockfall Protection at Various Sections, Phase II (Maulua Gulch)</td>
<td>Slope protection along Route 19, Hawaii Belt Road, in the vicinity of Maulua Gulch.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>HS38</td>
<td>Hawaii Belt Road (Route 130) Safety Improvements at Kaawalii Gulch</td>
<td>Installation of milled rumble strips on centerline and shoulders, pavement markings, striping and signage.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
</tbody>
</table>
## SAFETY PROJECTS

Projects that mitigate high accident and hazardous sites, such as:
- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- street light pole replacement projects
- emergency telephone projects
- Intelligent Transportation System (ITS)

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Rockfall Protection Study</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keaau-Pahoa Road (Route 130) Intersection Improvements at Old Government Road</td>
<td>Yes: Project identified through DOT's Highway Safety Improvement Program</td>
<td>Yes: Project identified through DOT's Rockfall Protection Study</td>
<td>High: Private industry funding has been secured</td>
<td>High: Planning or Design has already been completed</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>Keaau-Pahoa Road (Route 130), Intersection Improvements at Paradise Drive, Orchid Island Drive, and Ainaloa Blvd</td>
<td>Implement safety improvements at listed intersections.</td>
<td>Yes: Project identified through DOT's Rockfall Protection Study</td>
<td>Med: Private industry funding is anticipated</td>
<td>Med: Planning or Design is almost complete</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>Mamalahoa Highway (Route 11) Drainage Improvements at Kawa</td>
<td>Drainage improvements, including the installation of box culverts and raising of the roadway.</td>
<td>No: Project did not result from DOT's Rockfall Protection Study</td>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
<td>Low: The project has not yet begun</td>
<td>Y</td>
<td>N</td>
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</tbody>
</table>

Hawaii - Safety Projects
<table>
<thead>
<tr>
<th>CONGESTION MITIGATION PROJECTS</th>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Traffic Signal Warrants</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
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</thead>
<tbody>
<tr>
<td>HAWAII - STATE - FHWA</td>
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<td>G101-4, G201-2, G302, G401, G502</td>
</tr>
<tr>
<td>HS34. Queen Kaahumanu Highway (Route 19), Intersection Improvements at Kawaihae Road (Route 19)</td>
<td>Improve operation, capacity and safety of Queen Kaahumanu Hwy and Kawaihae Road intersection.</td>
<td>Yes: Project identified through DOT’s Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>COUNTY OF HAWAII - FHWA</td>
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<td>G101-4, G201-2, G302, G401, G502</td>
</tr>
<tr>
<td>HC9. Kawaihali (Rte 2760)/Pohakulani/Ainaola (Rte 2750) &amp; Kawaihali (Rte 2760)/Iwalani (Rte 2770) Intersection Improvements, Phase 2</td>
<td>Installation of synchronized traffic signals at the Kawaihali/Iwalani and Kawaihali/Pohakulani intersections; including land acquisition, realignment of Ainaola Drive, channelization, utility relocation and construction of curbs, gutters, sidewalks and related drainage improvements.</td>
<td>Yes: Project identified through DOT’s Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>M</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>MODERNIZATION PROJECTS</td>
<td>Project Description</td>
<td>HS1. Akoni Pule Hwy (RTE 270) Realignment &amp; Widening at Aamakani Gulch</td>
<td>HS18. Kawaihae Road Bypass, Waimea to Kawaihae, Phase 1 (First 5 miles)</td>
<td>HS20. Keaau-Pahoa Road (Route 130) Improvements, Keaau to Pahoa, Phase 1</td>
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</tbody>
</table>
| Projects that add capacity to the highway system, such as: | - new highway projects  
- widening projects (additional capacity)  
- second access projects  
- ITS projects |
| Project Description | Realign and widen roadway on the mauka side, improve shoulders and rock catchment area. | N N L L N N Y N | Construction of a two-lane alternate route from Waimea to Kawaihae, connecting the proposed Waimea Bypass to Queen Kaahumanu Hwy to improve traffic flow and improve traffic circulation. | Improve traffic capacity, circulation and safety along Route 130. |
| DEPARTMENT OF TRANSPORTATION STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM : FINANCIALLY CONSTRAINED FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only) Revision Effective Date: September 1, 2010 |

Hawaii - Modernization Projects
### MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Congestion Management System Stage</th>
<th>Highway Safety Improvement Program Stage</th>
<th>Cost Participation Stage</th>
<th>Project Stage</th>
<th>Traffic Signal Warrants</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Listed in Regional Transporational Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kealakehe Parkway Extension (Route 197), Keanalehu Drive to Kealakaa Street</td>
<td>High</td>
<td>Low</td>
<td>Low</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Kuakini Highway (Route 11) Widening, Henry Street (Rte 1830) to Kamehameha III Road (Rte 185), Phase 1</td>
<td>High</td>
<td>Low</td>
<td>Low</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Kumau Street Improvements, Hilo (Harbors Division)</td>
<td>Low</td>
<td>Low</td>
<td>Low</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
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Hawaii - Modernization Projects
MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

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</thead>
<tbody>
<tr>
<td>Puainako St (Rte 2000) Widening, Kamelehu Ave (Rte 11) to Komohana St (Rte 1940), Phase I - Kawili (Rte 2770)</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>L</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
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<tr>
<td>Puainako St (Rte 2000) Widening, Kamelehu Ave (Rte 11) to Komohana St (Rte 1940), Phase II - Kawili (Rte 2770) to Kilauea (Rte 1920)</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Queen Kaahumanu Highway (Route 19) Widening Keahole Airport to Kawaihae Harbor</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
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</tbody>
</table>

Widen and realign Puainako Street from 2 to 4 lanes. Improvements also include installing traffic signals, signs, pavement markings, hwy lighting, guardrails, and sidewalks.

Widen and realign Puainako Street from 2 to 4 lanes. Improvements also include installing traffic signals, signs, pavement markings, hwy lighting, guardrails, and sidewalks.

Conduct planning and environmental study to assess alternatives and impacts to widening Queen Kaahumanu Highway from 2 to 4 lanes from Keahole Airport to Kawaihae Harbor.

Hawaii - Modernization Projects
## MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Congestion Management System</th>
<th>Highway Safety Improvement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Mandated?</th>
<th>Traffic Signal Warrants</th>
<th>Gap Closure?</th>
<th>Listed in Regional Transportational Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS36. Saddle Road Extension</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>G101-4, G201-2, G301-2, G401, G502</td>
</tr>
</tbody>
</table>

Widen and/or realign the existing two-lane highway.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Congestion Management System</th>
<th>Highway Safety Improvement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Mandated?</th>
<th>Traffic Signal Warrants</th>
<th>Gap Closure?</th>
<th>Listed in Regional Transportational Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS37. Saddle Road (Route 200) Improvements, Phase 2D: East Side Grade &amp; Pave, MP 6 to 11; West Side, MP 42 to Mamalahoa Hwy</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>G101-4, G201-2, G301-2, G401, G502</td>
</tr>
</tbody>
</table>

Widen and/or realign the existing two-lane highway.

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Congestion Management System</th>
<th>Highway Safety Improvement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Mandated?</th>
<th>Traffic Signal Warrants</th>
<th>Gap Closure?</th>
<th>Listed in Regional Transportational Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC3. Alli Highway (Route 1110), Kamehameha III Rd (Route 185) to Queen Kaahumanu Hwy (Route 19)</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>G101-4, G201-2, G301-2, G401, G502</td>
</tr>
</tbody>
</table>

Ph I, Part 1 will remove vegetation from the entire 4.75-miles. Ph 1, Part 2, in FY 2013, will construct 2.5 miles of 24-ft wide road starting at Kam III Hwy and ending at the Lako St. Extension. Ph II will complete construction from Lako St to Queen K.
## MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

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</thead>
<tbody>
<tr>
<td>Kuakini Highway (Route 1100) Widening, Hualalai Road (Route 1880) to Alli Highway</td>
<td>Yes</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>No</td>
<td>No</td>
<td>Traffic Signal Warrants</td>
<td>HC10.</td>
<td>G101-4, G201-2, G301-2, G401, G502</td>
</tr>
<tr>
<td>Widen approx. 1.5 miles of Kuakini Hwy to increase capacity between Hualalai Road and the new Alli Highway.</td>
<td>Yes</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Traffic Signal Warrants</td>
<td>G101-4, G201-2, G301-2, G401, G502</td>
<td></td>
</tr>
</tbody>
</table>

| Mamalahoa Highway (Route 19) Widening (Mudlane to North Hawaii Community Hospital) | Yes | N | L | L | N | N | N | Traffic Signal Warrants | HC11. | G101-4, G201-2, G301-2, G401, G502 |
| Widen approximately 4.5-miles of Mamalahoa Highway from Mudlane to the north Hawaii Community Hospital to increase vehicular capacity and improve safety by adding turning lanes. Work includes drainage, shoulder and bike lane improvements. | Yes | N | L | L | N | N | N | Traffic Signal Warrants | G101-4, G201-2, G301-2, G401, G502 |
## ENHANCEMENT PROJECTS

Transportation enhancement projects, such as:
- bikeway projects
- landscaping projects
- pedestrian facilities projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Hawaii Statewide Enhancement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improve Akoni-Pule Highway bicycle routes, including signage, from Mahukona Wharf Access Road to Hawi Road.</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
</tr>
<tr>
<td>Improve bicycle routes along Kuakini Highway from King Kamehameha III Highway to Mamalahoa Highway. Clear shoulders, paint stripes, and add signage.</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
</tr>
<tr>
<td>A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use. Anticipated funding for Big Island program.</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
</tr>
</tbody>
</table>

### HAWAI'I : STATE - FHWA

| HS2. Akoni Pule Highway (Route 270), Bicycle Improvements, Mahukona Wharf Access Road to Hawi Road | G101-4, G201-2, G301-2, G401-2, G502 |
| HS25. Kuakini Highway (Route 11) Bicycle Improvements, King Kamehameha III Highway (Rte 185) to Mamalahoa Highway (Rte 11) | G101-4, G201-2, G301-2, G401-2, G502 |
**Transportation enhancement projects, such as:**
- bikeway projects
- landscaping projects
- pedestrian facilities projects

<table>
<thead>
<tr>
<th>COUNTY OF HAWAII - FHWA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HC2.</strong> Alii Drive (Route 186) Road Improvements Along Oneo Bay, From Hualalai Road (Route 1880) to Walua Road (Route 187), Phases 1 &amp; 2</td>
</tr>
<tr>
<td>Provide bicycle, pedestrian, landscaping and scenic view improvements along Alii Drive from Hualalai Road to Walua Road by undergrounding existing overhead utilities.</td>
</tr>
</tbody>
</table>
# DEPARTMENT OF TRANSPORTATION

**STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM: FINANCIALLY CONSTRAINED**

**FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only)**

**Revision Effective Date:** September 1, 2010

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## TRANSIT PROJECTS

Transit-related projects, such as:
- Preventative maintenance
- Bus replacements
- Intermodal centers
- Transit centers
- Bus radios
- New transit service

<table>
<thead>
<tr>
<th>COUNTY OF HAWAII - FTA</th>
<th>Project Description</th>
<th>Maintains Existing System</th>
<th>Completes Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match Possible in Years 2, 3 or 4 Budget</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC13. Bus and Bus Facility</td>
<td>Purchase buses and operate bus transit facilities.</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>HC14. Rural Transportation Program</td>
<td>Operate public transit system.</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>

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Hawaii - Transit Projects

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<table>
<thead>
<tr>
<th>Maui - System Preservation Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project Description</strong></td>
</tr>
<tr>
<td><strong>Bridge Assessment and Replacement Programs</strong></td>
</tr>
<tr>
<td><strong>Pavement Management Programs</strong></td>
</tr>
<tr>
<td><strong>Cost Participation</strong></td>
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<tr>
<td><strong>Project Stage</strong></td>
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<tr>
<td><strong>Gap Closure?</strong></td>
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<tr>
<td><strong>Mandated?</strong></td>
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<tr>
<td><strong>Listed in Regional Transportation Plans</strong></td>
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<tr>
<td><strong>SAFETEA-LU Planning Factor</strong></td>
</tr>
<tr>
<td><strong>HSTP Goals and Objectives Code</strong></td>
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</tbody>
</table>

| MS5. | Honoapiilani Highway (Route 30), Bridge Replacement, Honolulu Bridge | Replacement of a concrete T-beam bridge on Honoapiilani Hwy in the vicinity of Honolulu Bay. | Y | N | L | M | N | N | Y | N |
| MS31. | Honoapiilani Highway (Route 30), Shoreline Improvements, Vicinity of Olowalu | Shoreline protection for approximately 1000 feet of Highway on the west side of Hekili Point. | N | N | L | M | N | N | Y | N |
| MS12. | Kahului Beach Road (Route 3400), Shoreline Protection, Kahului Bay (#1) | Construct a seawall for about 800 feet of highway outside the harbor that would provide storm wave protection to the highway. Also construct low-profile concrete retaining wall at the waters edge to minimize accumulation of seaweed on the shoreline. | N | N | L | M | N | N | Y | N |
| MS15. | North Kihei Road (Route 310), Shoreline Protection, Vicinity of Kealia Pond (#6) | Beach fill with an elevated dune to minimize wave overwash during seasonal high surf. | N | N | L | L | N | N | Y | N |
| MS19. | Waiehu Beach Road (Route 3400), Bridge Rehabilitation, Iao Stream Bridge | Rehabilitation of a concrete tee-beam bridge on Waiehu Beach Road in the vicinity of Wailuku. | Y | N | L | M | N | Y | N | N |

**System Preservation Projects**

Projects that upgrade and protect infrastructure investments, such as:
- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS)
# System Preservation Projects

Projects that upgrade and protect infrastructure investments, such as:
- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS)

## MAOLKAI

### MS21. Kamehameha V Highway (Route 450), Bridge Rehabilitation, Kaimiloa Stream Bridge

- Rehabilitation of the existing bridge to meet current bridge standards.
- **YN L L N N Y N**
- G101-2, G201-2, G301-2, G401

### MS22. Kamehameha V Highway (Route 450), Bridge Replacement, Makakupaia Stream Bridge

- Kamehameha V Highway (Route 450) Puuola Interchange Ramp "A" Seismic Rehabilitation. Milepost 3.94, Rehabilitate existing 43-foot long bridge by widening and strengthening to meet current State standards.
- **YN L L N N Y N**
- G101-2, G201-2, G301-2, G401

### MS23. Kamehameha V Highway (Route 450), Shoreline Protection, Vicinity of Niaupala Fishpond

- Construct a revetment for the reconstruction and protection of the highway shoulder.
- **NN L L N N Y N**
- G101-2, G201-2, G301

## COUNTY OF MAUI - FHWA

### MC3. Bridge Inspection and Appraisal

- Inspection of county-maintained bridges as required by FHWA.
- **YN L L M N Y Y N**
- G101-2, G201-2, G301

### MC4. Haliimaile Road (Route 371) Resurfacing, Haleakala Highway to Baldwin Avenue

- Resurface approximately 3 miles of Malimale Road.
- **YN L L H N N Y N**
- G101, G102
<table>
<thead>
<tr>
<th>SYSTEM PRESERVATION PROJECTS</th>
<th>Project Description</th>
<th>Bridge Assessment and Repair Program (High)</th>
<th>Bridge Management Programs (High)</th>
<th>Pavement Management Programs (High)</th>
<th>Bridge Assessment and Repair Program (Med)</th>
<th>Bridge Management Programs (Med)</th>
<th>Pavement Management Programs (Med)</th>
<th>Bridge Assessment and Repair Program (Low)</th>
<th>Bridge Management Programs (Low)</th>
<th>Pavement Management Programs (Low)</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Project Stage</th>
<th>Cost Participation</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plan</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC5. Hansen Road Pavement Reconstruction, Hana Highway to Puunene Avenue</td>
<td>Reconstruct pavement on Hansen Road from Puunene Ave to Hana Highway. Improvements to include pavement striping and marking, signage and safety improvements. Approximately 2 miles.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2, G301, G401</td>
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<tr>
<td>MC6. Hina Avenue (Route 3930) Pavement Reconstruction, Wakea Avenue to Ani Street</td>
<td>Reconstruct pavement on Hina Avenue from Wakea Avenue to Ani Street. Approximately 1.02 miles.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2, G301, G401</td>
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<tr>
<td>MC7. Kahawaiokapia Bridge Replacement (Hana Highway - Route 360)</td>
<td>Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2, G301, G401</td>
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<tr>
<td>MC8. Kahekili Highway (Route 3405) Resurfacing, Mokuhau Road to Waiehu Beach Road</td>
<td>Resurface Kahekili Highway from N. Market Street to Waiehu Beach Road. Approximately 1.71 miles.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2, G301, G401</td>
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<tr>
<td>MC38. Kaholopoo Bridge Replacement (Route 360)</td>
<td>Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-2, G201-2, G301, G401</td>
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<tr>
<td>System Preservation Projects</td>
<td>Project Description</td>
<td>Bridge Assessment and Replacement Program</td>
<td>Pavement Management Programs</td>
<td>Cost Participation</td>
<td>Project Stage</td>
<td>Gap Closure?</td>
<td>Mandated?</td>
<td>HSTP Goals and Objectives Code</td>
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<tr>
<td>MC9. Kamehameha Avenue (Route 3940) Pavement Reconstruction, Vicinity of Puunene Avenue to Hina Avenue</td>
<td>Reconstruct pavement on Kamehameha Avenue from Puunene Ave. to Hina Ave. Improvements to include pavement striping and marking, signage and safety improvements. Approximately 0.76 miles.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
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<tr>
<td>MC11. Kaupakalua Road (Route 365) Resurfacing, Hana Highway to Makawao Avenue</td>
<td>Resurface Kaupakalua Road from Hana Highway to Makawao Ave. Approximately 6.4 miles.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
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<tr>
<td>MC13. Koukouai Bridge Modifications (Hana Highway - Route 360)</td>
<td>Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
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<tr>
<td>MC14. Kulanihakoi Bridge Replacement (South Kihei Road - Route 3100)</td>
<td>Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
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<tr>
<td>MC39. Lahaina Watershed Flood Control Project, Phase 2</td>
<td>Flood Control project from Lahainaluna Road south two miles along Honoapiilani Highway. Improvements consist of open channels, sediment basins, debris basin and new outlet to the ocean.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
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</table>
### Project Description

Projects that upgrade and protect infrastructure investments, such as:
- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS)

### Bridge Assessment and Replacement Programs

- Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system
- No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system

### Pavement Management Programs

- Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system
- No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system

### Cost Participation

- High: Private industry funding has been secured
- Med: Private industry funding is anticipated
- Low: Does not include other financial involvement (i.e. private industry)

### Project Stage

- High: Planning or Design has already been completed
- Med: Planning or design is almost complete
- Low: The project has not yet begun

### Gap Closure?

- Does this project close a gap or connect missing links in a route?

### Mandated?

- Required by federal, state, or municipal laws, regulations or codes?

### Addresses at least one SAFETEA-LU Planning Factor?

- Revision Effective Date: September 1, 2010

### Maui - System Preservation Projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Bridge Assessment and Replacement Programs</th>
<th>Pavement Management Programs</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>SAFETEA-LU Planning Factor?</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC15. Lelekea Bridge Replacement (Hana Highway - Route 360)</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>MC16. Lower Honoapiilani Road (Route 3080) Improvements, Hoohui Road to Napilihau Road</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>MC21. Makani Road (Route 3630) Resurfacing, Haleakala Highway to Kalama Intermediate School</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>H</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>MC22. Makawao Avenue - Makani Road (Route 3630) Improvements, Phase I - Eddie Tam Gymnasium to Kalama Intermediate School</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>MC28. Pukalani Street Pavement Reconstruction, Old Haleakala Highway to Iolani Street</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
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<tr>
<td>MC32. Waiko Road Improvements, Kuihelani Highway to Waiale Road</td>
<td>Improve Waiko Road from Honoapiilani Hwy to Kuihelani Hwy, with two travel lanes, paved shoulders and drainage improvements. Approximately 1.25 miles.</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>G101-3, G201-2, G301-2, G401</td>
</tr>
<tr>
<td>MC33. Waiohonu Bridge Replacement (Hana Highway - Route 360)</td>
<td>Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>G101-2, G201-2, G301-2, G401</td>
</tr>
</tbody>
</table>
### SAFETY PROJECTS

Projects that mitigate high accident and hazardous sites, such as:
- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- street light pole replacement projects
- emergency telephone projects
- Intelligent Transportation System (ITS)

#### Project Description

<table>
<thead>
<tr>
<th>Highway Safety Improvement Program</th>
<th>Rockfall Protection Study</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addressed at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportational Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAUI : STATE - FHWA</strong></td>
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<tr>
<td><strong>MS1.</strong> Guardrail and Shoulder Improvement Program at Various Locations, Maui, Parts 1 &amp; 2</td>
<td>Improve guardrails and shoulders at various locations.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td><strong>MS30.</strong> Honoapiilani Highway (Route 30), Safety Improvements at Kaanapali Parkway and Halelo Street</td>
<td>Install flashing beacon on Honoapiilani Hwy. as approaching Kaanapali northbound. Check for adequate signal signs and lighting. Update traffic signal heads, pavement markings, striping and signing.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td><strong>MS8.</strong> Honoapiilani Highway (Route 30), Safety Improvements, Vicinity of Kapoli Street to Ukumehameha Beach Park Road</td>
<td>Installation of milled rumble strips on centerline and shoulders, construct shoulder widening and drainage improvements, installation of guardrails and end treatments and upgrade/replace pavement markings and signing.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
</tbody>
</table>
## Project Description

**Gap Closure?**
Does this project close a gap or connect missing links in a route?

**Highway Safety Improvement Program**
Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program
No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program

**Rockfall Protection Study**
Yes: Project identified through DOT's Rockfall Protection Study
No: Project did not result from DOT's Rockfall Protection Study

**Cost Participation**
High: Private industry funding has been secured
Med: Private industry funding is anticipated
Low: Does not include other financial involvement (i.e. private industry)

**Project Stage**
High: Planning or Design has already been completed
Med: Planning or Design is almost complete
Low: The project has not yet begun

**Gap Closure?**
Does this project close a gap or connect missing links in a route?

**Mandated?**
Required by federal, state, or municipal laws, regulations or codes?

**Addresses at least one SAFETEA-LU Planning Factor?**

**Listed in Regional Transportational Plans**

### SAFETY PROJECTS

Projects that mitigate high accident and hazardous sites, such as:
- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- street light pole replacement projects
- emergency telephone projects
- Intelligent Transportation System (ITS)

<table>
<thead>
<tr>
<th>Project ID</th>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Rockfall Protection Study</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>SAFETEA-LU Planning Factor?</th>
<th>Regional Transportational Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS32</td>
<td>Kahului Beach Road (Route 3400), Lighting Improvements at Kanaloa Avenue (Route 3420) Improve lighting along Kahului Beach Road and Kanaloa Avenue.</td>
<td>Yes</td>
<td>Yes</td>
<td>High</td>
<td>High</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
</tr>
<tr>
<td>MS33</td>
<td>Puunene Avenue (Route 3500), Safety Improvements, Kaahumanu Ave. (Route 32) to Kamehameha Ave. (Route 3940) Install two-way left turn lanes on Puunene Avenue from Kaahumanu Avenue to Kamehameha Avenue.</td>
<td>Yes</td>
<td>No</td>
<td>Low</td>
<td>Low</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
</tr>
</tbody>
</table>
**SAFETY PROJECTS**

Projects that mitigate high accident and hazardous sites, such as:
- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- street light pole replacement projects
- emergency telephone projects
- Intelligent Transportation System (ITS)

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Rockfall Protection Study</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Listed in Regional Transportational Plans</th>
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</thead>
<tbody>
<tr>
<td>MS20 Guardrail and Shoulder Improvements Program at Various Locations, Molokai, Parts 1, 2 &amp; 3</td>
<td>Improve guardrail and shoulders.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>Y</td>
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</table>
### CONGESTION MITIGATION PROJECTS

Projects that increase the efficiency of the highway system, such as:
- traffic signal modernization projects
- operational improvement projects
- ITS projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addressed at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MC10.</strong> Kamehameha Avenue (Route 3940) Traffic Signals at Kane Street</td>
<td>Traffic signal installation, intersection improvements, curb ramp improvements.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td><strong>MC17.</strong> Lono Avenue (Route 3950) Traffic Signal Improvements at Papa Avenue (Route 3910)</td>
<td>Traffic signal system, related intersection improvements, utility relocations, curb ramp improvements.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td><strong>MC25.</strong> Mill Street (Route 3840) Traffic Signal at Imi Kala Street</td>
<td>Traffic signal installation, curb, gutter, sidewalk, curb ramp, drainage improvements. Right-of-way expansion.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
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</tbody>
</table>
## CONGESTION MITIGATION PROJECTS

Projects that increase the efficiency of the highway system, such as:
- traffic signal modernization projects
- operational improvement projects
- ITS projects

| MC27. | Papa Avenue (Route 3910) Traffic Signals at Hina Avenue (Route 3930) | Traffic signal installation, curb, gutter, sidewalk, curb ramp, drainage improvements. Right-of-way expansion. | N | N | L | L | Y | N | N | Y | N | G101-4, G201-2, G302, G401, G502 |
| MC31. | Waiale Road (Route 3180) Traffic Signals at Waiinu Road | Traffic signal installation, curb, gutter, sidewalk, curb ramp, drainage improvements. | N | N | L | L | Y | N | N | Y | N | G101-4, G201-2, G302, G401, G502 |
| MC35. | Wakea Avenue (Rte 3920) Traffic Signals at Hina Avenue (Rte 3930) | Traffic signal installation, curb, gutter, sidewalk, curb ramp, drainage improvements. | N | N | L | L | Y | N | N | Y | N | G101-4, G201-2, G302, G401, G502 |
## MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

| Project Description | Highway Safety Improvement Program | Congestion Management System | Project Stage | Cost Participation | Traffic Signal Warrants | Project Stage | Gap Closure? | Mandated?
|---------------------|-----------------------------------|-----------------------------|--------------|-------------------|------------------------|--------------|-------------|-----------
| Widen Hana Highway. | Yes, Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program | No, Project did not result from a Congestion Management System process | High: Planning or Design has already been completed or Low: The project is not yet begun | High: Private industry funding has been secured or Med: Private industry funding is anticipated or Low: Does not include other financial involvement | Traffic signal project meets the criteria in the Traffic Signal Warrants | Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program | No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program |

### MAUI - STATE - FHWA

| MS4. | Hana Highway (Route 36) Widening, Kaahumanu Avenue (Route 32) to Vicinity of Airport Access Road | Widen Hana Highway. | Y | N | L | M | N | N | N | Y | Y |
| MS7. | Honoapiilani Highway (Route 30) Realignment, Phase 1B2, Hokiokio Place to Relocated Southern Terminus | Continuation of Lahaina Bypass from Hokiokio Place to Relocated Southern Terminus. | Y | N | L | L | N | Y | N | Y | Y |
| MS9. | Honoapiilani Highway (Route 30) Widening and/or Realignment, Phase IC, Keawe Street Extension to Kaanapali Connector | Continuation of Lahaina Bypass from Keawe Street Extension to Kaanapali Connector. | Y | N | L | M | N | Y | N | Y | Y |

Maui - Modernization Projects
### MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

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</thead>
<tbody>
<tr>
<td>Improvements to Honoapiilani Hwy between Maalaea and Launiupoko to address high ocean surges crossing portions of the hwy, traffic accidents &amp; fire hazards. Improvements may involve widening portions of the existing hwy and/or constructing a new hwy along a different alignment. Planning phase to determine the scope of the improvements is underway.</td>
<td>Yes: Project identified through DOT's Congestion Management System process No: Project did not result from a Congestion Management System process</td>
<td>High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)</td>
<td>High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun</td>
<td>Traffic signal project meets the criteria in the Traffic Signal Warrants</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Construction for a portion of the new access road to Kahului Airport from the vicinity of Puunene Ave to Hana Hwy. Includes landscaping, drainage, hwy lighting, utilities and other misc improvements.</td>
<td>Yes: Project identified through DOT's Congestion Management System process No: Project did not result from a Congestion Management System process</td>
<td>High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)</td>
<td>High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun</td>
<td>Traffic signal project meets the criteria in the Traffic Signal Warrants</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>MODERNIZATION PROJECTS</td>
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<tr>
<td>Projects that add capacity to the highway system, such as:</td>
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<td>- widening projects (additional capacity)</td>
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<td>- second access projects</td>
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<td>- ITS projects</td>
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</thead>
<tbody>
<tr>
<td>Paia Bypass Road (Paia Alternative Route, Vicinity of Spreckelsville to Vicinity of Hookipa Park)</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>G101-4, G201-2, G301-2, G401, G502</td>
</tr>
<tr>
<td>Plans for alternative traffic improvements in the vicinity of Paia town.</td>
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<tr>
<td>Puunene Avenue (Rte 3500) Widening, Wakea Avenue (Rte 3920) to Kuhielani Highway (Route 380), MP 0.46 to 1.09</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>G101-4, G201-2, G301-2, G401, G502</td>
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<tr>
<td>Widen Puunene Ave.</td>
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## Enhancement Projects

Transportation enhancement projects, such as:
- bikeway projects
- landscaping projects
- pedestrian facilities projects

<table>
<thead>
<tr>
<th>MAUI: STATE - FHWA</th>
<th>Project Description</th>
<th>Hawaii Statewide Enhancement Program</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MS2.</strong> Haleakala Crater Road, (Route 378), Bikeway Pull-Out Areas</td>
<td>Improve Haleakala National Park Access Road to accommodate bicyclists.</td>
<td>Y</td>
</tr>
<tr>
<td><strong>MS3.</strong> Hana Highway (Route 36)/ Kaahumanu Ave. (Route 32) Beautification Dairy Road (Route 380) to Naniloa Overpass</td>
<td>Beautification of the main corridor between Kahului and Wailuku to include landscape and irrigation.</td>
<td>Y</td>
</tr>
<tr>
<td><strong>MS14.</strong> National Recreational Trails Program - Maui (DLNR)</td>
<td>A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use. Anticipated funding for Maui program.</td>
<td>N</td>
</tr>
</tbody>
</table>

### Cost Participation
- High: Private industry funding has been secured
- Med: Private industry funding is anticipated
- Low: Does not include other financial involvement (i.e. private industry)

### Project Stage
- High: Planning or Design has already been completed
- Med: Planning or Design is almost complete
- Low: The project has not yet begun

### Gap Closure?
- Does this project close a gap or correct missing links in a route?

### Mandated?
- Required by federal, state, or municipal laws, regulations or codes?

### Addresses at least one SAFETEA-LU Planning Factor?
- List of Regional Transportation Plans

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Maui - Enhancement Projects
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<thead>
<tr>
<th>Project Description</th>
<th>Hawaii Statewide Enhancement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportational Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS17. Puunene Avenue (Route 3500) Bicycle Improvements, Kaahumanu Avenue (Route 32) to Kuihelani Highway (Route 380)</td>
<td>Create bicycle route/lanes on Puunene Ave. from Kaahumanu Ave. to Kuihelani Hwy, as called for in Bike Plan Hawaii.</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>MC34. Waipuilani Bikepath</td>
<td>Construct bikepath on beach reserve, from Kulanihako Street to Waipuilani State Park. Approximately 0.5 miles.</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
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</table>
## TRANSIT PROJECTS

### Project Description

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Maintains Existing System</th>
<th>Completes Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match in Year 1 Budget</th>
<th>Local Match Possible in Years 2, 3 or 4 Budget</th>
<th>Addresses at least one SAFETEA-Ultra Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
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<tbody>
<tr>
<td><strong>MAUI - STATE FTA</strong></td>
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<tr>
<td>MS24. Lahaina Small Boat Harbor and Ferry Pier</td>
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<tr>
<td>New ferry pier, sewage pump-out stations, lighting, berthing area, dredging, replacing the existing administration office and ferry ticket booth, resurfacing Wharf Street, new parking stalls and sidewalk widening.</td>
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<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>N</td>
<td>G101-3, G201-2, G301-2, G401</td>
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<tr>
<td>MS25. Improvements at Maalaea Small Boat Harbor, Ferry System Improvements</td>
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<tr>
<td>Repairing existing loading dock and reconstructing the adjacent administrative office building on the South Mole; installing electrical utilities and street lights, water mains and other utilities; repair South Mole roadway and parking areas, new comfort station.</td>
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<tr>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>N</td>
<td>G101-3, G201-2, G301-2, G401</td>
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<tr>
<td>MS26. Maalaea Small Boat Harbor Improvements</td>
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<tr>
<td>Planning for improvements to the South Mole to accommodate the increased need to facilitate ferry passenger drop off and loading due to limited existing parking.</td>
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<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>G101-3, G201-2, G301-2, G401</td>
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<tr>
<td><strong>MOLOKAI</strong></td>
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<tr>
<td>MS27. Kaunakakai Harbor Ferry System Improvements</td>
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<tr>
<td>Construct new restroom/administrative office; sewer pump station and force main to the county sewer system; sewage pump out station; water main and fire hydrants.</td>
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<tr>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N/A</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>G101-3, G201-2, G301-2, G401</td>
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</table>

Maui - Transit Projects
### TRANSIT PROJECTS

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
<th>Maintains Existing System</th>
<th>Complete Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match in Year 1 Budget</th>
<th>Local Match Possible in Years 2, 3 or 4 Budget</th>
<th>Address at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS29. Manele Small Boat Harbor Ferry Pier</td>
<td>New ferry pier, loading dock and related improvements.</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>G101-3, G201-2, G301-2, G401</td>
<td></td>
</tr>
<tr>
<td>MC36. Bus and Bus Facility</td>
<td>Purchase buses and operate bus transit facilities.</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>G101-3, G201-2, G301-2, G401</td>
<td></td>
</tr>
<tr>
<td>MC37. Rural Transportation Program</td>
<td>Operate public transit system.</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>G101-3, G201-2, G301-2, G401</td>
<td></td>
</tr>
</tbody>
</table>
### KAUAI: STATE - FHWA

| KS2. | Kapule Highway / Rice Street / Waapa (Route 51) Road Improvements and Nawiliwili Bridge Replacement | Strengthen/widen existing Nawiliwili Bridge. Implement drainage improvements and safety improvements including new signing and striping and guardrails. Improve roadway approach to the bridge. | Y | N | L | L | N | N | Y | N | G101-2, G201-2, G301-2, G401 |
| KS4. | Kaumualii Highway (Route 50), Bridge Rehabilitation, Bridge No. 7E | Repair/rehabilitate bridge 7E on Kaumualii Highway update to current bridge standards. | Y | N | L | L | N | N | Y | N | G101-2, G201-2, G301, G401 |
| KS5. | Kaumualii Highway (Route 50), Bridge Rehabilitation, Omao Bridge | Rehabilitation of concrete T-girder bridge on Kaumualii Hwy in the vicinity of Omao Road. | Y | N | L | M | N | N | Y | N | G101-2, G201-2, G301-2, G401 |
| KS11. | Kuhio Highway (Route 56), Bridge Replacement, Kapaia Bridge | Replacement of a multi-T beam reinforced concrete girder on Kuhio Hwy in the vicinity of Kapaia. | Y | N | L | M | N | N | Y | N | G101-2, G201-2, G301-2, G401 |
## SYSTEM PRESERVATION PROJECTS

Projects that upgrade and protect infrastructure investments, such as:
- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS)

<table>
<thead>
<tr>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Effective Date: September 1, 2010</td>
</tr>
<tr>
<td>STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM: FINANCIALLY CONSTRAINED FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Bridge Assessment and Replacement Programs</th>
<th>Pavement Management Programs</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace existing bridges.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
</tr>
<tr>
<td>Construct revetment to protect about 1,600 feet of highway on the extreme west side of Hanalei Bay that is subject to seasonal wave attack.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
</tr>
<tr>
<td>Inspection of various bridges throughout the County. FHWA Requirement.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
</tr>
<tr>
<td>Repair of cracks and spalls on the bridge girders/soffit/substructures/piers and the repair/replacement of the pedestrian walkway crossing Hanapepe Bridge on Hanapepe Road. The bridge and the pedestrian walkway is about 200 feet long. The walkway is elevated and above roadway pavement.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
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</tbody>
</table>

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<thead>
<tr>
<th>COUNTY OF KAUAI - FHWA</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>KC2. Bridge Inspection and Appraisal</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Countywide Inspection and Testing of Bridge Condition Survey, Vicinity of Hanalei Bay</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>KC3. Hanapepe Bridge Repairs and Pedestrian Bridge Repairs/Replacement</th>
</tr>
</thead>
</table>

| Repairs to Hanapepe Bridge to improve safety and extend service life. The bridge is an important component of the Hanapepe valley pedestrian network. |

| Kauai - System Preservation Projects | 148 |
### SYSTEM PRESERVATION PROJECTS

Projects that upgrade and protect infrastructure investments, such as:
- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS)

#### Project Description

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Name</th>
<th>Description</th>
<th>Gap Closure?</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Mandated?</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>KC5.</td>
<td>Kamalu Bridge (Route 581) Erosion Protection Repairs</td>
<td>Repair/Replace damaged erosion control protection at the abutments and piers of Kamalu Bridge.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
</tr>
<tr>
<td>KC6.</td>
<td>Kamalu Road (Route 581) Bridge Replacement</td>
<td>Realignment of Kamalu Road from its intersection with Opaekaa Road to a point approximately 3,305 feet east including installation of new bridge crossing Kalama Stream.</td>
<td>N</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
</tr>
<tr>
<td>KC7.</td>
<td>Kapahi Bridge Replacement</td>
<td>Replace the existing bridge with a new H-20 concrete bridge approximately 60 feet long by 35 feet wide including approach ramps, guardrails, pedestrian walkway and utility accommodations.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>M</td>
<td>N</td>
</tr>
<tr>
<td>KC13.</td>
<td>Puhi Road (Route 501) Ultra-Thin Whitetopping (UTW)</td>
<td>Rehabilitate Puhi Road using Ultra-Thin Whitetopping (UTW) and cement treated recycled Base. Puhi Road is a 2-lane major street with 12’ lanes. The project will start at the intersection of the Kaumualii Highway - Puhi Road intersection and extend approximately 0.4 miles to the Kaneka St. - Puhi Road intersection.</td>
<td>N</td>
<td>Y</td>
<td>L</td>
<td>M</td>
<td>N</td>
</tr>
</tbody>
</table>
### Project Description

#### SYSTEM PRESERVATION PROJECTS

Projects that upgrade and protect infrastructure investments, such as:
- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- Intelligent Transportation System (ITS)

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KC14. Puuopae Bridge Replacement</td>
<td>Replace existing bridge.</td>
</tr>
<tr>
<td>KC15. Resurfacing of Hanapepe Rd (Rte 545), Including Road Pavement Repairs as Necessary</td>
<td>Resurface the entire length (5400 feet) of Hanapepe Road. Full depth reclamation (FDR) technology will be used on this project whenever necessary to match existing adjacent facilities.</td>
</tr>
</tbody>
</table>
## SAFETY PROJECTS

Projects that mitigate high accident and hazardous sites, such as:
- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- street light pole replacement projects
- emergency telephone projects
- Intelligent Transportation System (ITS)

### Project Description

<table>
<thead>
<tr>
<th>Project</th>
<th>Highway Safety Improvement Program</th>
<th>Rockfall Protection Study</th>
<th>Cost Participation</th>
</tr>
</thead>
<tbody>
<tr>
<td>KS1</td>
<td>Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>Yes: Project identified through DOT's Rockfall Protection Study</td>
<td>High: Private industry funding has already been committed and an RFQ has been completed</td>
</tr>
<tr>
<td>KS9</td>
<td>Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>No: Project did not result from DOT's Rockfall Protection Study</td>
<td>Low: Does not include other financial involvement (i.e., private industry)</td>
</tr>
</tbody>
</table>

### Gap Closure?

Does this project close a gap or connect missing links in a route?

- Highway Safety Improvement Program: Yes
- Rockfall Protection Study: No

### Cost Participation

- High: Private industry funding has already been committed and an RFQ has been completed
- Med: Private industry funding is anticipated
- Low: Does not include other financial involvement (i.e., private industry)

### Project Stage

- High: Planning or Design has already been completed
- Med: Planning or Design is almost complete
- Low: The project has not yet begun

### mandates

Required by federal, state, or municipal laws, regulations or codes?

- Required by federal, state, or municipal laws, regulations or codes: Yes

### HSTP Goals and Objectives Code

- Listed in Regional Transportation Plans: G011-3, G201-2, G301, G401

### Projects that mitigate high accident and hazardous sites, such as:

- Guardrail and Shoulder Improvements on State Highways, Kauai, Parts 1, 2 & 3
- Kaumualii Highway (Route 50) Safety Improvements in the Vicinity of Kalihi Mountain Park Road to Hanapepe Lookout
- Kuhio Highway (Route 56), Mailihuna Road Intersection Improvements and Kapaa Stream Bridge Rehabilitation

Kauai - Safety Projects
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Rockfall Protection Study</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Mandated?</th>
<th>Gap Closure?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KS17. Kuhio Highway (Route 560) Safety Improvements, Hanalei Bridge to Waikoko Bridge</strong></td>
<td>Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>Yes: Project identified through DOT's Rockfall Protection Study</td>
<td>High: Private industry funding has been secured or anticipated</td>
<td>High: Planning or Design has already been completed</td>
<td>Yes</td>
<td>Y N L H N N Y N</td>
</tr>
<tr>
<td><strong>KS22. Maalo Road (RTE 583), Guardrail and Shoulder Improvements, MP 0 - MP 3.92</strong></td>
<td>No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>No: Project did not result from DOT's Rockfall Protection Study</td>
<td>Med: Private industry funding is anticipated but not yet secured</td>
<td>Med: Planning or Design is almost complete</td>
<td>No</td>
<td>N N L M N N Y N</td>
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Kauai - Safety Projects
<table>
<thead>
<tr>
<th>Project ID</th>
<th>Project Description</th>
<th>Highway Safety Improvement Program</th>
<th>Roadside Protection Study</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Mandated?</th>
<th>Address at least one SAFE TEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>KC4</td>
<td>Hardy Street (Route 572) Improvements</td>
<td>Safety imprvmts including reconstruction &amp; widening of traffic lanes, construction of turning lanes, sidewalks, drainage inlets and culvert extension, replacement &amp; upgrades, revising street parking, utility adjustment, traffic sign &amp; striping, landscaping &amp; other roadway improvements. The project begins at Kuhio Hwy. &amp; ends at the Rice St.- 0.7 mi.</td>
<td>Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program</td>
<td>Yes: Project identified through DOT's Rockfall Protection Study</td>
<td>High: Private industry funding has been secured</td>
<td>High: Planning or Design has already been completed</td>
<td>N</td>
<td>NN L M N N Y N</td>
<td>G101-3, G201-2, G301, G401</td>
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</table>

Kauai - Safety Projects
## Kauai - Congestion Mitigation Projects

| KS19. | Kuhio Highway (Route 56) Intersection Improvements at Leho Street (N) | Implement intersection improvements on Kuhio Highway at Leho Street to improve safety and operational efficiency. | N | Y | L | L | N | N | N | Y | N | G101–4, G201-2, G302, G401, G502 |
### MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

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<td><strong>KAUAI : STATE - FHWA</strong></td>
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<tr>
<td>KS6. Kaumualii Highway (Route 50) Improvements, Anonui St to Kipu Rd, Phase IB</td>
<td></td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
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<tr>
<td>KS16. Kuhio Highway (Route 56) Improvements, Hanamaulu to Kapaa, Phase I &amp; 1A</td>
<td></td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
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<tr>
<td>KS24. Puhi-Hanamaulu, Alternate Route</td>
<td></td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
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Kauai - Modernization Projects
# MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:
- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS projects

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<tbody>
<tr>
<td>Kauai County Multi-Modal Transportation Plan</td>
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<td>G101-4, G201-2, G301-2, G401-2, G501-3</td>
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</tbody>
</table>

A multi-modal land transportation plan for the island of Kauai that considers the communities land transportation needs and priorities in a comprehensive approach that includes transit, bicycle, pedestrian, vehicle and freight modes of transportation. The regional land transportation network to be considered includes the County and State systems.
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<tbody>
<tr>
<td>Projects that add capacity to the highway system, such as:</td>
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<td>- new highway projects</td>
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<td>- widening projects (additional capacity)</td>
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<tr>
<td>- second access projects</td>
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<td>- ITS projects</td>
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</tr>
<tr>
<td><strong>Project Description</strong></td>
<td>Widen Maluhia Road from the intersection of Ala Kinoiki Road to Kaumualii Hwy. Approx 2.6 miles. 12-ft traffic lanes and 6-ft shoulders including drainage improvements and replacement of an existing bridge. The section of Maluhia Road through the &quot;tree tunnel&quot; cannot be widened w/o disturbing the trees and therefore the development of a northbound or southbound lane outside of the &quot;tunnel&quot; will be developed.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td><strong>HSTP Goals and Objectives Code</strong></td>
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<tr>
<td><strong>KC18. Maluhia Road (Route 520) Improvements</strong></td>
<td></td>
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<td>G101-4, G201-2, G301-2, G401, G502</td>
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<tr>
<td></td>
<td>Construct new roadway. The project begins at Koloa Road and the completed section of the Ala Kalanikaumaka intersection, heading northeast and connecting to Maluhia Road at the intersection of Maluhia and Ala Kinoike.</td>
<td>Y</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td><strong>KC11. Northerly Leg of the Western Bypass Road (Ala Kalanikaumaka (Route 522))</strong></td>
<td></td>
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<td>G101-4, G201-2, G301-2, G401, G502</td>
</tr>
</tbody>
</table>

Kauai - Modernization Projects
## ENHANCEMENT PROJECTS

Transportation enhancement projects, such as:
- bikeway projects
- landscaping projects
- pedestrian facilities projects

<table>
<thead>
<tr>
<th>KAUAI : STATE - FHWA</th>
<th>Project Description</th>
<th>Hawaii Statewide Enhancement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>KS23. National Recreational Trails Program - Kauai (DLNR)</td>
<td>A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use. Anticipated funding for Kauai program.</td>
<td>N</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-3, G201, G301-2, G401-2, G502</td>
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<tr>
<td>COUNTY OF KAUAI - FHWA</td>
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<tr>
<td>KC1. Ahukini To Lydgate Park Bike/Pedestrian Path (Phase IV of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94)</td>
<td>Approximately 7 miles of 12 foot wide and 6 inch thick concrete bike/ped path. The Project starts at the Ahukini Landing and ends at the S end of Lydgate Park.</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-4, G201-2, G301-2, G401-2, G502</td>
</tr>
<tr>
<td>KC8. Kuna Bay to Anahola Bike/Pedestrian Path (Phase V of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94)</td>
<td>Approximately 3 miles of 12 foot wide, 6 inch thick concrete bike/ped path. The Project starts at Kuna Bay (north end of Ph II) and ends at Anahola.</td>
<td>Y</td>
<td>L</td>
<td>L</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>G101-4, G201-2, G301-2, G401-2, G502</td>
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<tr>
<td>ENHANCEMENT PROJECTS</td>
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<tr>
<td>Transportation enhancement projects, such as:</td>
<td>Project Description</td>
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<tr>
<td>- bikeway projects</td>
<td>Construct 12 foot wide 6 inch thick concrete bike/ped path. Ph B - includes the N end of Papaloa Rd. and the balance starts at the N side of Waipouli Canal Br., continues along Kuhio Hwy. to Ala, Niulani, Keaka, Moanakai and Lihi Rds. Ph C - starts at the S side of a vacant lot N of Kauai Coast Resort at the Beachboy &amp; continues to the N side of Waipouli Canal at Kuhio Hwy.</td>
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<td>- landscaping projects</td>
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<td>- pedestrian facilities projects</td>
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</table>

<table>
<thead>
<tr>
<th>Hawaii Statewide Enhancement Program</th>
<th>Cost Participation</th>
<th>Project Stage</th>
<th>Gap Closure?</th>
<th>Mandated?</th>
<th>Addresses at least one SAFETEA-LU Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the project classified as “Potentially Fundable” for use of Transportation Enhancement funds by the Hawaii Procedures for TE Projects?</td>
<td>High: Private industry funding has been secured</td>
<td>High: Planning or Design has already been completed</td>
<td>Low: The project has not yet begun</td>
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<tr>
<td>Med: Private industry funding is anticipated</td>
<td>Med: Planning or Design is almost complete</td>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
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<tr>
<td>Low: Does not include other financial involvement (i.e. private industry)</td>
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</tbody>
</table>

| KC9 | Lydgate Park to Kapaa Bike/Pedestrian Path (Phase Ill of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April ’94) Phases B & C | Y | L | H | N | Y | Y | N | G101-4, G201-2, G301-2, G401-2, G502 |
| KC10 | Nawiliwili to Ahukini Bike/Pedestrian Path (Phase VI of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April ’94) Phases A & B | Y | L | L | N | N | Y | N | G101-4, G201-2, G301-2, G401-2, G502 |

Kauai - Enhancement Projects
## TRANSIT PROJECTS

Transit-related projects, such as:
- Preventative maintenance
- Bus replacements
- Intermodal centers
- Transit centers
- Bus radios
- New transit service

### Project Description

<table>
<thead>
<tr>
<th>DEPARTMENT OF TRANSPORTATION</th>
<th>STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM : FINANCIALLY CONSTRAINED</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only)</td>
<td>Revision Effective Date: September 1, 2010</td>
</tr>
</tbody>
</table>

### COUNTY OF KAUA'I - FTA

<table>
<thead>
<tr>
<th>Code</th>
<th>Project Description</th>
<th>Maintains Existing System</th>
<th>Completes Multi-Phase Project</th>
<th>Enhances Hub-and-Spoke System</th>
<th>Enhances Safety and Security</th>
<th>New Transit Service</th>
<th>Local Match in Year 1 Budget</th>
<th>Local Match Possible in Years 2, 3 or 4 Budget</th>
<th>Addresses at least one SAFETEA-Y Planning Factor?</th>
<th>Listed in Regional Transportation Plans</th>
<th>HSTP Goals and Objectives Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>KC16</td>
<td>Bus and Bus Facility</td>
<td>Purchase buses and operate bus transit facilities.</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>KC17</td>
<td>Rural Transportation Program</td>
<td>Operate public transit system.</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td></td>
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</tbody>
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