

## Appendix A

# Mitigation Monitoring Program (MMP) for Project Management Oversight of Environmental and Related Commitments in the Final Environmental Impact Statement (Final EIS), the Record of Decision (ROD), and the Section 106 Programmatic Agreement (PA)

Honolulu Rail Transit Project

July 17, 2012

Prepared for:  
Honolulu Authority for Rapid Transportation



Note: This is a summary of the mitigation measure commitments described in the Final EIS, ROD, and PA and does not represent the complete description of these commitments. This summary should not be used as the sole source of information and should be used along with the Final EIS, ROD, and PA; referenced documents; and permits.



ROD ID (MMP tracking)	Final EIS Section(s) or Programmatic Agreement (PA) Stipulation	Mitigation Measure (ROD)	Project-wide (in all contracts) or Contract-specific (if contract-specific which contract)	Responsible Party for Implementing Mitigation	Timing of Mitigation Measure (Design, Construction, Operation)	Monitoring Action	Responsible Party for Monitoring Mitigation	Criteria for Completing Mitigation
<b>Property Acquisition and Displacements</b>								
A01	4.4.3 4.7.3 Appendix C	Where relocations will occur, HART will compensate the affected property owners, businesses, and residents in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act (49 CFR part 24), as amended.	Project-wide	Honolulu Authority for Rapid Transportation (HART) Right-of-Way Team (ROW Team)	Design and ROW acquisition	HART is responsible for right-of-way (ROW) acquisition and relocation and will use agreement/acquisition procedures, following all applicable guidelines and regulations. The ROW Team will manage the right-of-way process in full compliance with the Uniform Act and in accordance with the guidance established in the Project's Real Estate Acquisition Management Plan (RAMP) as approved by FTA. Relocation status is the point in time of the relocation process to include interviews, relocations, and properties on hold, which is a reporting status given when a property has been purchased but is being leased back to the owner to give adequate time for relocation. Specific details about properties in the process of acquisition and relocation are to be identified by the ROW Team.	HART ROW Team	This MMID has been reassigned to the HART ROW Team. General Monthly Progress Reports include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> . No further tracking will be provided on this form.
A02	4.4.3	HART will assist all persons and businesses displaced by the Project in locating suitable replacement housing and business sites within an individual's or business's financial means.	Project-wide	HART ROW Team	Design and ROW acquisition	HART is responsible for the right-of-way (ROW) acquisition and relocation and will use agreement/acquisition procedures, following all applicable guidelines and regulations. The ROW Team will manage the right-of-way process in full compliance with the Uniform Act.  Relocation status is the point in time of the relocation process to include interviews, relocations and properties on hold, which is a reporting status given when a property has been purchased but is being leased back to the owner to give adequate time for relocation. Specific details about properties in the process of acquisition and relocation are to be directed to by the ROW Team.	HART ROW Team	This MMID has been reassigned to the HART ROW Team. General Monthly Progress Reports include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> . No further tracking will be provided on this form.
A03	4.4.3	HART will acquire any real property or real property rights needed for the Project in accordance with Uniform Relocation Assistance and Real Property Acquisition Policies Act (49 CFR part 24), as amended. The Real Estate Acquisition Management Plan (RAMP) approved by FTA will be used to monitor compliance parcel by parcel.	Project-wide	HART ROW Team	Design and ROW acquisition	HART is responsible for the right-of-way (ROW) acquisition and relocation and will use agreement/acquisition procedures, following all applicable guidelines and regulations. The ROW Team will manage the right-of-way process in full compliance with the Uniform Act. The RAMP has been submitted and is updated as appropriate.	HART ROW Team	This MMID has been reassigned to the HART ROW Team. The current version of the RAMP is located in CMS under AP00 Baseline reports.
A04	4.4.3	HART will provide relocation services to all displaced business and residential property owners and tenants without discrimination; persons, businesses, and organizations displaced as a result of the Project will be treated fairly and equitably.	Project-wide	HART ROW Team	Design and ROW acquisition	The ROW Team will manage the right-of-way process in full compliance with the Uniform Act.  Relocation status is the point in time of the relocation process to include interviews, relocations and properties on hold, which is a reporting status given when a property has been purchased but is being leased back to the owner to give adequate time for relocation. Specific details about properties in the process of acquisition and relocation are to be directed to the ROW Team.	HART ROW Team	This MMID has been reassigned to the HART ROW Team. General Monthly Progress Reports include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> . No further tracking will be provided on this form.

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A05	4.4.3 4.5.3	Where landscaping, sidewalks, or driveway access will be affected by the Project, coordination will occur with the landowner, and these property features will be replaced, or the property owner will be compensated in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act (49 CFR part 24), as amended.	Project-wide	HART ROW Team with GEC and design and construction contractors	Design, ROW acquisition and construction	<p>The HART ROW Team will manage the right-of-way process in full compliance with the Uniform Act.</p> <p>The GEC's ECD and MMPA will coordinate with the HART ROW Team on property feature replacement if identified as mitigation. Information regarding full or partial acquisition and the need for relocation will be provided. The acquisition status will also be provided for GEC ECD review. Acquisition status is the stage of the full or partial acquisition process to include on-going discussions, appraisals, stage of consent use and occupancy agreements, and offers made. Specific details about properties in the process of acquisition are to be directed by the ROW Team.</p>	GEC ECD Environmental Compliance Manager for Construction (ECM) GEC MMPA ROW Team	<p>This MMID has been reassigned to the HART ROW Team. General Monthly Progress Reports include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulutransit.org">www.honolulutransit.org</a>. No further tracking will be provided on this form.</p> <p>The current protocol for implementation of this MMID has been to provide compensation in lieu of the need for contractor coordination.</p>
A06	4.4.3	For ceded lands within the Project ROW, ownership of these lands will not change. HART will obtain the appropriate permissions from the State for any ceded lands needed for the Project.	Project-wide	HART with the ROW Team	Design and ROW acquisition	If ceded lands are involved, information regarding full or partial acquisition and the need for relocation will be provided. The property use agreement status needed from the State of Hawaii for ceded lands will also be provided for GEC ECD review. Specific details about properties in the process of acquisition are to be directed by the ROW Team.	GEC ECD GEC MMPA ROW Team	<p>This MMID has been reassigned to the HART ROW Team. General Monthly Progress Reports include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulutransit.org">www.honolulutransit.org</a>. No further tracking will be provided on this form.</p>
A07	4.5.3 Table 4-1	To the extent that the Banana Patch community so desires, it will be relocated as a community to a location where its unique lifestyle can be maintained. This mitigation exceeds the requirements of the Uniform Relocation Assistance and Real Property Acquisition Policies Act, as amended, and is needed to comply with Executive Order 12898.	Section 1 West O'ahu Farrington Highway (WOFH) Contract	HART ROW Team	Design and ROW acquisition	<p>HART is responsible for the right-of-way (ROW) acquisition and relocation and will use agreement/acquisition procedures, following all applicable guidelines and regulations. The ROW Team will manage the right-of-way process in full compliance with the Uniform Act.</p> <p>Relocation status is the point in time of the relocation process to include interviews, relocations and properties on hold, which is a reporting status given when a property has been purchased but is being leased back to the owner to give adequate time for relocation. Specific details about properties in the process of acquisition and relocation are to be directed by the ROW Team.</p>	ROW Team	<p>This MMID has been reassigned to the HART ROW Team. General Monthly Progress Reports include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulutransit.org">www.honolulutransit.org</a>. No further tracking will be provided on this form.</p> <p>In consultation with the HART ROW Team, individual residents in the Banana Patch were not interested in being relocated as a community. Residents were treated with "EJ" level relocation support, with 60 months of benefits rather than 42 months.</p>

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<b>Community Facilities</b>								
CF01	4.5.3 Table 4-6	HART will negotiate partial acquisition or a property use agreement with the University of Hawai'i System. HART will replace light posts that are removed at Honolulu Community College.	Section 4 City Center Contract	HART Planning Staff and ROW Team and Section 4 design or build contractor, as appropriate	Design, construction, and ROW acquisition	Information regarding full or partial acquisition and the need for relocation will be provided. Specific details about properties in the process of acquisition are to be directed by the HART ROW Team.  Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Verify replacement through review of construction monitoring reports.	GEC ECM GEC ECD GEC MMPA ROW Team	Tracking will be provided in the General Monthly Progress Reports that include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> .  Interim compliance noted on Final Design plans and signed off by GEC DM and CRE as needed. Environmental mitigation measure closeout will be documented by the ROW Team provided to the GEC ECD and noted by GEC ECM review and acceptance of construction closeout report.
CF02	4.5.3 Table 4-6	HART will replace or relocate on school property the affected portable buildings at Waipahu High School. HART will construct a retaining wall and a new access road to the football field.	Section 1 WOFH Contract	HART and Section 1 design-build contractor	Design and construction	Information regarding full or partial acquisition and the need for relocation will be provided. The partial acquisition status or property use agreement status will also be provided for GEC ECD review. Specific details about properties in the process of acquisition are to be directed to the ROW Team.  Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Verify replacement or relocation and construction of retaining wall and access road through review of construction monitoring reports.	GEC ECD GEC MMPA GEC ECM ROW Team	Tracking will be provided in the General Monthly Progress Reports that include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> .  Interim compliance noted on Final Design plans and signed off by GEC DM and CRE as needed. Environmental mitigation measure closeout will be documented by the ROW Team provided to the GEC ECD and noted by GEC ECM review and acceptance of construction closeout report.
CF03	4.5.3 3.4.4 Table 4-6	HART will relocate the portable administration buildings and parking spaces at Leeward Community College. HART will negotiate partial acquisition or a property use agreement with the University of Hawai'i system for the needed land under its control.	Section 1 WOFH Contract	HART Planning staff and ROW Team and Section 1 design-build contractor	Design, ROW acquisition and construction	Information regarding full or partial acquisition and the need for relocation will be provided. The partial acquisition status or property use agreement status will also be provided for GEC ECD review. Specific details about properties in the process of acquisition are to be directed by the HART ROW Team.  Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Verify restoration through review of construction monitoring reports.	GEC CRE GEC ECD GEC MMPA GEC ECM ROW Team	Tracking will be provided in the General Monthly Progress Reports that include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> .  Interim compliance noted on Final Design plans and signed off by GEC DM and CRE as needed. Environmental mitigation measure closeout will be documented by the ROW Team provided to the GEC ECD and noted by GEC ECM review and acceptance of construction closeout report.

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CF04	4.5	For the land needed at the UH Mānoa Urban Garden Research Center, HART will negotiate partial acquisition or a property use agreement with the University of Hawai'i system.	Section 2 Kamehameha Contract	HART ROW Team with the Section 2 design-build contractor	Design, construction, and ROW acquisition	Information regarding full or partial acquisition and the need for relocation will be provided. The partial acquisition status or property use agreement status will also be provided for GEC ECD review. Specific details about properties in the process of acquisition are to be directed by the ROW Team.	HART ROW Team	Tracking will be provided in the General Monthly Progress Reports that include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> . No further tracking will be provided on this form.
CF05	4.5.3 Table 4-6	HART will negotiate a partial acquisition or a property use agreement with the Federal government for the following properties: <ul style="list-style-type: none"> <li>Nimitz Field</li> <li>Pearl City Post Office</li> <li>Honolulu Post Office</li> <li>Prince Kūhiō Kalaniana'ole Federal Building/Courthouse</li> <li>Pearl Harbor Complex</li> </ul>	Section 2 Kamehameha Contract Section 3 Airport Contract Section 4 City Center Contract	HART Planning Staff and ROW Team with GEC	Design and ROW acquisition	Information regarding full or partial acquisition and the need for relocation will be provided. The partial acquisition status or property use agreement status will also be provided for GEC ECM review. Specific details about properties in the process of acquisition are to be directed by the ROW Team.	GEC ECM HART ROW Team	Tracking will be provided in the General Monthly Progress Reports that include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> . Agreements will be stored in CMS. No further tracking will be provided on this form.
CF06	4.5.3 Table 4-6	HART will negotiate a partial acquisition or a property use agreement with the State for the following: <ul style="list-style-type: none"> <li>O'ahu Correctional Facility</li> <li>Honolulu International Airport</li> </ul>	Section 3 Airport and Section 4 City Center Contracts	HART Planning Staff and ROW Team with GEC	Design and ROW acquisition	Information regarding full or partial acquisition and the need for relocation will be provided. The partial acquisition status or property use agreement status will also be provided for GEC ECM review. Specific details about properties in the process of acquisition are to be directed by the ROW Team.	GEC ECM ROW Team	Tracking will be provided in the General Monthly Progress Reports that include ROW and are stored in CMS and on the project website at: <a href="http://www.honolulustransit.org">www.honolulustransit.org</a> . Agreements will be stored in CMS. No further tracking will be provided on this form.
CF07	4.5.3	HART will coordinate with other agencies and stakeholders on the design of the streetscape affected by the Project.	Project-wide	HART with design and construction contractors	Design and construction	Verify the process used by the designer, architect, and landscape architect to incorporate mitigation commitments into the design through review of design quality procedures.	GEC ECD GEC CRE GEC ECM	Compliance noted on Final Design plans and signed off by GEC ECD, GEC DM and CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CF08	4.17	HART shall require the design of the vehicle storage and maintenance facility to achieve a LEED certification at the "Silver" level.	Maintenance and Storage Facility (MSF) Design-Build Contract	HART with design-build contractor	Design and construction	Verify the process used by the designers to incorporate LEED "Silver" level certification into the design through review of designer procedures and sustainability plan.	GEC ECD GEC CRE GEC ECM	Compliance noted on Final Design plans and signed off by GEC CRE as needed. Final compliance noted by GEC ECD review and GEC ECM acceptance of construction closeout report.

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<b>Visual</b>								
V01A	4.8.3	HART shall develop and apply design guidelines that will establish a consistent design framework for the Project with consideration of local context.	Project-wide	HART with design contractors	Design and construction	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.1, 10.2.2, and 10.3.2) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify a consistent design framework with consideration of local context. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architects. Final compliance noted by GEC ECD review and acceptance of approval by GEC architect.
V01B	4.8	HART will ensure that the Project's design guidelines require that guideway materials and surface textures be selected in accordance with generally accepted architectural principles to achieve integration between the guideway and its surrounding environment.	Project-wide	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.1.2 and 10.8). Review the design plans against the list from the Compendium of Design Criteria to verify that the selected guideway materials and surface textures are in accordance with generally accepted architectural principles to achieve integration between the guideway and its surrounding environment. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01C	4.8	HART will ensure that the Project's design guidelines require that stations and park-and-ride facilities be designed in a manner that is compatible with the surroundings and are well integrated into the existing urban fabric.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.1, 10.2.2, 10.2.7, and 10.3.2) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify that stations and park-and-ride facilities are designed in a manner that is compatible with the surroundings and are well integrated into the existing urban fabric. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01D	4.8	HART will ensure that the Project's design guidelines require that the Project's lighting fixtures incorporate directional shielding where needed to avoid the intrusion of light into sensitive land uses.	Project-wide For all Sections, including guideway and stations	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Section 10.12). Review the design plans against the list from the Compendium of Design Criteria to verify that lighting fixtures incorporate directional shielding where needed to avoid the intrusion of light into sensitive land uses.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.

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V01E	4.8	HART will ensure that the Project's design guidelines require that landscaping is used to screen traction power substations in sensitive areas such as residential areas.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11, Landscape Architecture (Section 11.3.5). Review the design plans against the list from the Compendium of Design Criteria to verify that landscaping will screen traction power substations in sensitive areas such as residential areas	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architects and landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE architect and landscape GEC architect.
V01F	4.8	HART will ensure that the Project's design guidelines require that traction power substations be integrated into larger structures in the central business district, to the extent possible.	Section 4 City Center Contracts	HART with station design and construction contractors	Design	Review the design plans to verify that traction power substations are integrated into larger structures in the central business district, to the extent possible.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01G	4.8	HART will ensure that the Project's design guidelines require that the Project's signage, materials, street furniture, landscaping, and other detailed design elements enhance the visual environment to the extent possible.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.2, 10.3.2, 10.8, 10.10, and 10.13) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify that signage, materials, street furniture, landscaping, and other detailed design elements enhance the visual environment to the extent possible.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architects and landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01H	4.8	HART will ensure that the Project's design guidelines require that the physical form of the Project stations and support facilities embody Honolulu's and Hawai'i's rich cultural heritage.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.1, 10.2.2, and 10.3.2) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify the physical form of the stations and support facilities embody Honolulu's and Hawai'i's rich cultural heritage. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01I	4.8	HART will ensure that the Project's design guidelines require that the station designs be context-sensitive and that each station be functionally integrated with its surroundings and culturally expressive of its location.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.1, 10.2.2, and 10.3.2) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify the station designs are context-sensitive and that each station is functionally integrated with its surroundings and culturally expressive of its location. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.

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V01J	4.8	HART will ensure that the Project's design guidelines require that the lighting design at stations influence the attractiveness of the stations.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Section 10.12). Review the design plans against the list from the Compendium of Design Criteria to verify that lighting designs compliment the stations. The GEC ECD will meet with the GEC CRE and Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01K	4.8	HART will ensure that the Project's design guidelines require that glare and light spill from transit station lights and reflective surfaces be minimized.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Section 10.12). Review the design plans against the list from the Compendium of Design Criteria to verify that glare and light spill from transit station lights and reflective surfaces is minimized. The GEC ECD will meet with the GEC CRE and Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01L	4.8	HART will ensure that the Project's design guidelines require that the Project use full cut-off luminaries (fixture and lamp design) and low-reflective surfaces.	Project-wide For all sections, including guideway and stations	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Section 10.12). Review the design plans against the list from the Compendium of Design Criteria to verify that the Project uses full cut-off luminaries (fixture and lamp design) and low-reflective surfaces. The GEC ECD will meet with the GEC CRE and Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01M	4.8	HART will ensure that the Project's design guidelines require that light sources in the Project's parking structures not be visible from outside the structure, including the lights on the top decks.	East Kapolei, West O'ahu, Pearl Highlands, and Aloha Stadium parking facilities	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Section 10.12). Review the design plans against the list from the Compendium of Design Criteria to verify that light sources in the Project's parking structures are visible from outside the structure, including the lights on the top decks. The GEC ECD will meet with the GEC CRE and Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01N	4.8	HART will ensure that the Project's design guidelines require that the Project's place in Hawai'i be defined by creating an inspired ground plane with landscape planting, paving, and furniture.	Project-wide	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.2, 10.3.2) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify landscaping, and other detailed design elements enhance the visual environment to the extent possible. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architect and landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC architect and GEC landscape architect.

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V01O	4.8	HART will ensure that the Project's design guidelines require that architectural design components unify the guideway and stations over the entire project. To achieve this unity, HART will ensure that the Project's design guidelines require that design elements be repeated in all stations, though certain materials may be varied based on the community context.	Project-wide	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.1, 10.2.2, and 10.3.2) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify the station designs are context-sensitive and that design elements are repeated in all stations and materials are varied based on the community context. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01P	4.8	HART will ensure that the Project's design guidelines require that the Kapālama Station have a special planting of true kamani trees.	Section 4 City Center Contracts - Kapālama Station	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11 Landscape Architecture (Sections 11.1, 11.2, 11.3.2, and 11.5). Review the design plans against the list from the Compendium of Design Criteria to verify that the Kapālama Station has a special planting of true kamani trees. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architect and landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC architect and GEC landscape architect.
V01Q	4.8	HART will ensure that the Project's design guidelines require that trees displaced by the Project be transplanted to other areas if possible, and that the wood from trees that are not transplanted be repurposed.	Project-wide	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11 Landscape Architecture (Sections 11.1, 11.2, and 11.5). Review the design plans against the list from the Compendium of Design Criteria to verify that trees displaced by the Project are transplanted to other areas if possible, and that the wood from trees that are not transplanted are repurposed. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architects And landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE, GEC architect, and GEC landscape architect.
V01R	4.8	HART will ensure that the Project's design guidelines require: that street tree plantings or transplantings occur adjacent to stations and along the alignment wherever the existing streetscape is affected by the Project; that these tree plantings be placed every 50 feet in residential areas and every 40 feet in commercial areas; and that trees be planted a minimum of 3 feet from curbs and 2 feet from the edge of sidewalks.	Project-wide	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11 Landscape Architecture (Sections 11.1, 11.2, 11.3.1,11.3.2, and 11.5). Review the design plans against the list from the Compendium of Design Criteria to verify that street tree plantings or transplantings occur adjacent to stations and along the alignment wherever the existing streetscape is affected by the Project; that these tree plantings are placed every 50 feet in residential areas and every 40 feet in commercial areas; and that trees are planted a minimum of 3 feet from curbs and 2 feet from the edge of sidewalks. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architect and landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC architect and GEC landscape architect.

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V01S	4.8	HART will ensure that the Project's design guidelines require that planting and paving design play a pivotal role in increasing station identity and direct patrons to the station entrance.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11 Landscape Architecture (Sections 11.4 and 11.5). Review the design plans against the list from the Compendium of Design Criteria to verify that planting and paving design play a pivotal role in increasing station identity and direct patrons to the station entrance. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architect and landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC architect and GEC landscape architect.
V01T	4.8	HART will ensure that the Project's design guidelines require that station approaches link entry plazas with drop-off lanes and public walkways in ways that allow for pedestrian circulation and seating.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2, 10.3 and 10.4). Review the design plans against the list from the Compendium of Design Criteria to verify that station approaches link entry plazas with drop-off lanes and public walkways in ways that allow for pedestrian circulation and seating. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01U	4.8	HART will ensure that the Project's design guidelines require that tall vertical plantings or native vines be used to minimize the visibility of traction power substations.	Project-wide	HART with station design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11, Landscape Architecture (Section 11.3.5). Review the design plans against the list from the Compendium of Design Criteria to verify that tall vertical plantings or native vines are used to minimize the visibility of traction power substations. The GEC ECM will meet with the GEC ECD, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect GEC ECM	Compliance noted on Final Design plans and signed off by GEC architect and landscape architect. Final compliance noted by ECD review and acceptance of approval by GEC CRE, GEC architect, and GEC landscape architect.
V01V	4.8	HART will ensure that the Project's design guidelines require that a minimum of 5-foot walkways be provided around all traction power substations that are near stations.	Project-wide	HART with station design and construction contractors	Design	Review the design plans to verify that a minimum of 5-foot walkways is provided around all traction power substations that are near stations. The GEC ECD will meet with the GEC CRE and Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architects. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V01W	4.8	HART will ensure that the Project's design guidelines require that the guideway columns be softened in appearance in specified areas through measures such as native plantings, incised column designs or textured column surfaces, and protected from graffiti through the use of graffiti resistant finishes.	Project-wide; for all Sections, including guideway and stations	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11, Landscape Architecture (Section 11.3) and Chapter 10, Architecture (Section 10.8). Review the design plans against the list from the Compendium of Design Criteria to verify softening techniques in specific areas. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC architect and GEC landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE, GEC architect, and GEC landscape architect.

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V01X	4.8	HART will ensure that the Project's design guidelines require that the plant material be used to provide human-scale impressions of the Project.	Project-wide; for all sections, including guideway and stations	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify that plant material is used to provide human-scale impressions of the Project. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC landscape architect.
V01Y	4.8	HART will ensure that the Project's design guidelines require that the guideway columns be softened by plantings in specified areas.	Project-wide; for all sections, including guideway and stations	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). The GEC ECD will meet with HART and the design team to identify specific areas of concern. Review the design plans against the list from the Compendium of Design Criteria to verify that guideway columns are softened by plantings in specified areas. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC landscape architect.
V01Z	4.8.3 4.15.3	HART will ensure that the Project's design guidelines require that station designs provide for tree relocations in the station area.	Project-wide; for all sections, including guideway and stations	HART with design and construction contractors	Design	Review the design plans to verify that station designs provide for tree relocations in the station area. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC landscape architect.
V02	4.8	HART will ensure that a certified arborist will decide which trees should be transplanted, where they should be transplanted, where new trees should be planted and to advise on all other Project matters related to trees.	Project-wide; for all sections, including guideway and stations	HART with design and construction contractors	Design	The GEC ECM and Landscape Architect will meet with the certified arborist to decide which trees should be transplanted, where they should be transplanted, and where new trees should be planted and to advise on all other Project matters related to trees. The GEC ECD, ECM, CRE and Landscape Architect will review the design plans against the arborist's recommendations to verify that conditions are met.	GEC ECD GEC CRE GEC Landscape Architect GEC ECM	Compliance noted on Final Design plans and signed off by GEC landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC landscape architect.
V03	4.8	HART will ensure that the Project's design guidelines require that the certified arborist for the Project decide which existing trees should be protected in place.	Project-wide; for all sections, including guideway and stations	HART with design and construction contractors	Design	The GEC ECM and Landscape Architect will meet with the certified arborist to decide which existing trees should be protected in place. The GEC ECD, ECM, CRE and Landscape Architect will review the design plans against the arborist's recommendations to verify that conditions are met.	GEC ECD GEC CRE GEC Landscape Architect GEC ECM	Compliance noted on Final Design plans and signed off by GEC landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC landscape architect.

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V04	4.8	HART will ensure that the materials used in station construction are consistent with the cultural and historic guidance and recommendations set forth in the Design Language Pattern Book.	Project-wide	HART with station design and construction contractors	Design	Review community workshop documentation by GEC ECD with evidence that the opportunity for community input has been provided for station designs. Consider comments and incorporate comments, as appropriate. Confirm that plans are prepared following the design principles identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.1, 10.2.2, and 10.3.2) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify that the materials used are consistent with the cultural and historic guidance and recommendations. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Architect GEC Architectural Historian	Document meetings including comments and how comments were addressed in design. Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECM review and acceptance of approval by GEC CRE and GEC architect.
V05	4.8.3 PA page 4	HART shall coordinate Project design with planning for Transit Oriented Development (TOD) by HART and the Department of Planning and Permitting (DPP).	Project-wide	HART with design contractors for all sections, including guideway and stations	Design	Review meeting minutes for TOD coordination. Check Final Design documents for mitigation measures specific to TOD are incorporated into the design and construction plans and specifications; Confirm that plans are prepared following the design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 10, Architecture (Sections 10.2.1, 10.2.2, 10.2.7, and 10.3.2) and Chapter 11 Landscape Architecture (Sections 11.1 through 11.6).	GEC CRE GEC Architect GEC ECD	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
V06	4.8.3 8.7	HART shall consult with the communities surrounding each station for input on station design elements through a series of well-advertized station design workshops that solicit community input and ideas about the interface between each station and the surrounding community.	Project-wide	HART with station design contractors for all stations	Design	Review community workshop documentation by GEC ECD with evidence that the opportunity for community input has been provided for station designs.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architect. Final compliance noted by GEC ECM review and acceptance of approval by GEC CRE and GEC architect.
V07	4.8	HART will ensure that the Project's street-level visual impacts are mitigated by landscape and streetscape improvements.	Project-wide For all sections, including guideway and stations	HART with design and construction contractors	Design	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o) - Chapter 11 Landscape Architecture (Sections 11.1 through 11.6). Review the design plans against the list from the Compendium of Design Criteria to verify that street-level visual impacts are mitigated by landscape and streetscape improvements. The GEC ECD will meet with the GEC CRE, Architect and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC landscape architect.
V08	4.8	HART shall engage a qualified landscape architect to prepare plans for landscape and streetscape improvements, including new plantings, to mitigate the visual impacts of the Project.	Project-wide	HART with design and construction contractors for all sections, including guideway and stations	Design	The GEC ECM and HART will confirm that a qualified landscape architect is preparing plans for landscape and streetscape improvements, including new plantings, to mitigate the visual impacts of the Project. The GEC ECD will meet with the GEC CRE, and Landscape Architect monthly to review the design review process.	GEC ECD GEC CRE GEC Landscape Architect	Compliance noted on Final Design plans and signed off by GEC landscape architect. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC landscape architect.

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V09	4.8.3 Appendix H	HART will implement Design Standard requirements as set forth in Stipulation IV of the Section 106 Programmatic Agreement (PA), including the completion of neighborhood design workshops and the review of preliminary designs by the PA signatories and concurring parties.	Project-wide	HART with design contractors for all sections, including guideway and stations	Design	Review of community workshop documentation by GEC ECD with evidence that the opportunity for community input has been provided for station designs. Consider comments and incorporate comments, as appropriate, in the design and construction plans.	GEC ECD GEC CRE GEC Architect	Compliance noted on Final Design plans and signed off by GEC architects. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE and GEC architect.
<b>Landscaping</b>								
T01	4.15	HART shall ensure that existing trees affected by the Project are transplanted to areas as close to their original locations as feasible or are replaced with new trees.	Project-wide; for all sections, including guideway and stations	HART with designer and construction contractors	Design and construction	Compliance documented by GEC/HART landscape architects' review of design contractor landscaping plans to verify that trees removed or transplanted are replaced with new trees and transplanted as close to original locations as feasible.	GEC CRE GEC Landscape Architect GEC ECM	Compliance noted on Final Design plans and signed off by GEC landscape architect. Final compliance noted by GEC ECM review and acceptance of approval by GEC CRE and GEC landscape architect.
T02	4.1 4.15.3	HART will ensure that, if planting a new tree does not offer comparable vegetation to the older mature tree that was removed, additional young trees will be planted that will shortly develop benefits similar to those of the mature tree removed.	Project-wide; for all sections, including guideway and stations	HART with designer and construction contractors	Design and construction	Compliance documented by GEC/HART landscape architects' review of landscaping plans to verify that relocation of trees, transplanting of existing trees, and planting of new trees complies with the landscape architecture design criteria.	GEC CRE GEC Landscape Architect GEC ECM	Compliance noted on final landscaping design plans and signed off by GEC landscape architects. Final compliance noted by GEC ECM review and acceptance of approval by GEC landscape architect.
T03	4.1	HART shall ensure that street tree pruning, removal, and planting complies with local ordinances and is supervised by a certified arborist engaged in the Project.	Project-wide; for all sections, including guideway and stations	HART with designer and construction contractors	Design and construction	Compliance documented by GEC/HART landscape architects' review of landscaping plans to verify that relocation of trees, transplanting of existing trees, and planting of new trees complies with the landscape architecture design criteria.	GEC CRE GEC ECM GEC Landscape Architect	Compliance noted on final landscaping design plans and signed off by GEC project landscape architects. Final compliance noted by GEC ECM review and acceptance of approval by GEC landscape architect.
T04	4.1	HART shall ensure that the locations of transplanted plants are specified by the certified arborist engaged for the Project and that the certified arborist uses the criteria presented on page 4-175 of the Final EIS in determining transplant locations.	Project-wide; for all sections, including guideway and stations	HART with designer and construction contractors	Design and construction	Compliance documented by GEC/HART landscape architects' review of landscaping plans to verify that relocation of trees, transplanting of existing trees, and planting of new trees complies with the landscape architecture design criteria.	GEC CRE GEC ECM GEC Landscape Architect	Compliance noted on final landscaping design plans and signed off by GEC project landscape architects. Final compliance noted by GEC ECM review and acceptance of approval by GEC landscape architect.
T05	4.15.3	HART shall require trees suitable for transplanting displaced by construction to be relocated to a tree nursery until they can be transplanted to another part of the Project area.	Project-wide; for all sections, including guideway and stations	HART with designer and construction contractors	Design and construction	Compliance documented by GEC/HART landscape architects' review of the landscaping plans to verify that relocation of trees, transplanting of existing trees, and planting of new trees complies with the landscape architecture design criteria.	GEC CRE GEC ECM GEC Landscape Architect	Compliance noted on final landscaping design plans and signed off by GEC project landscape architects. Final compliance noted by GEC ECM review and acceptance of approval by GEC landscape architect.

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T06	4.15.3 4.18.8	Wherever the Project requires the removal of trees, HART shall require that a landscaping plan with new plantings that provide similar advantages to the community is developed and implemented.	Project-wide; for all sections, including guideway and stations	HART with designer and construction contractors	Design and construction	Compliance documented by GEC/HART landscape architects' review of the landscaping plans to verify that relocation of trees, transplanting of existing trees, and planting of new trees complies with the landscape architecture design criteria.	GEC CRE GEC ECM GEC Landscape Architect	Compliance noted on final landscaping design plans and signed off by GEC project landscape architects. Final compliance noted by GEC ECM review and acceptance of approval by GEC landscape architect.
IS01	2.5	HART shall ensure that all new plantings be non-invasive plants as defined by the Hawai'i Chapter of the American Society of Landscape Architects, and that native plants be used wherever appropriate.	Project-wide; for all sections, including guideway and stations	HART with designer and construction contractors	Design and construction	Compliance documented by GEC landscape architects' review of the landscaping plans to verify that relocation of trees, transplanting of existing trees, and planting of new trees complies with the landscape architecture design criteria.	GEC CRE GEC ECM GEC Landscape Architect	Compliance noted on final landscaping design plans and signed off by GEC project landscape architects. Final compliance noted by GEC ECM review and acceptance of approval by GEC landscape architect.
<b>Natural Resources</b>								
NR01	4.13.3	HART will secure a Certificate of Inclusion for the State Department of Transportation's (HDOT) Incidental Take Permit for activities within HDOT's existing Habitat Conservation Plan (HCP) for ko'oloa'ula and will follow all the measures and requirements in the existing HCP. If a new HCP is needed, or if the existing HCP needs to be amended for any reason, HART will implement the measures outlined by the State Department of Natural Resources (DLNR) in the new or amended HCP. Section 7 coordination with the USFWS may be required if changes to the state HCP are identified.	Section 1 WOFH Contract	HART will secure the Certificate of Inclusion	Design and construction	Compliance documented by GEC ECM after review of the clearing and grubbing plan. Review construction inspection reports and field verify that conservation of an on-site contingency reserve population of the Kapolei plants are not impacted by the Project during construction and operation. The guideway and construction contractors in the area will develop a fire prevention plan.	GEC ECM	A Memorandum of Agreement (MOA) between HART, Hawai'i Department of Transportation and Hawai'i Department of Land and Natural Resources will outline compliance and coordination requirements.
NR02	ROD	HART will monitor the requirements of the ko'oloa'ula HCP applicable to this Project, in compliance with the MOA with HDOT and DLNR.	Section 1 WOFH Contract, East Kapolei and UH West O'ahu Stations	HART with the guideway and station design and construction contractors	Design and construction	Compliance documented by GEC ECM through monitoring of guideway and station contractors' Environmental Compliance Plans in Section 1. HART will coordinate with HDOT and DLNR per the MOA during design and construction. Field compliance will be noted by the guideway and station design and construction contractors through the procedures established in their Environmental Compliance Plans. The Environmental Compliance Plans will include the requirements of the ko'oloa'ula HCP applicable to this Project to protect the reserve area from invasive species and fire. GEC ECM and EM will coordinate with HART, HDOT and DLNR as appropriate.	GEC ECM GEC ECD	GEC ECM review of construction closeout reports and notifications as identified in the MOA.
<b>Pedestrian and Bicycle Facilities</b>								
PB01	ROD	HART will design and build all sidewalks created or modified by the project to ADA requirements.	Project-wide	HART with the guideway and station design and construction contractors	Design and construction	Review design plans against list for ADA requirements. Review construction inspection reports showing construction contractor compliance with plans and specifications.	GEC ECD GEC CRE GEC ECM	Compliance noted on Final Design plans and construction inspection reports signed off by GEC CRE. Final compliance noted by GEC ECM review and acceptance of approval by GEC CRE.

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PB02	ROD	HART will widen the curb lane where possible on Kamehameha Highway to 13 feet to facilitate its designation as a bike route.	Section 2 Kamehameha Contract	HART with the guideway and station design and construction contractors	Design and construction	Review design plans against list for the widened curb lane. Coordinate with HDOT regarding allowance for potential bike route on Kamehameha Highway. Review construction inspection reports showing construction contractor compliance with plans and specifications.	GEC ECD GEC CRE GEC ECM	Compliance noted on Final Design plans and construction inspection reports signed off by GEC CRE. Final compliance noted by GEC ECM review and acceptance of approval by GEC CRE.
PB03	ROD	In accordance with Table 3-25 of the Final EIS, HART will provide sidewalks of the width specified in the table when building or modifying sidewalks on Farrington Highway, Dillingham Boulevard, and Kamehameha Highway.	Project-wide in specific locations noted in Table 3-25 of Final EIS	HART with the guideway and station design and construction contractors	Design and construction	Compile a list of the design criteria intended to address the mitigation measure from relevant design principals identified in the applicable chapter of the <i>Honolulu High-Capacity Transit Corridor Project Compendium of Design Criteria</i> (City 2009o.) Review design plans against list for the sidewalk width standards. HART will seek design exceptions if necessary.  Review construction inspection reports showing construction contractor compliance with plans and specifications.	GEC ECD GEC CRE GEC ECM	Compliance noted on Final Design plans and construction inspection reports signed off by GEC CRE. Final compliance noted by GEC ECM review and acceptance of approval by GEC CRE.
PB04	ROD	HART will connect the rail station at the airport to the overseas and interisland terminals with ground-level pedestrian walkways.	Section 3 Airport Contract	HART with the guideway and station design and construction contractors	Design and construction	Review design plans against list for the pedestrian walkways on plans.  Review construction inspection reports showing construction contractor compliance with plans and specifications.	GEC ECD GEC CRE GEC ECM	Compliance noted on Final Design plans and construction inspection reports signed off by GEC CRE. Final compliance noted by GEC ECM review and acceptance of approval by GEC CRE.
<b>Other Transportation Facilities</b>								
OT01	3.4	HART will coordinate with the Federal Aviation Administration, the Airports Division of HDOT, and the U.S. Postal Service regarding the design of the guideway and station at the Airport.	Section 3 Airport and Airport Station Contracts	HART with the guideway and station design and construction contractors	Design	HART will coordinate with FAA, HDOT- Airports, and the U.S. Postal Service during Preliminary Engineering prior to completing Final Design. The meeting notes will be reviewed by the GEC ECD and summarized in quarterly reports to FTA.	GEC CRE GEC ECD	Documentation of compliance through correspondence and coordination with Federal Aviation Administration, the Airports Division of HDOT, and the U.S. Postal Service.  Compliance noted on Final Design plans and signed off by GEC CRE. Final compliance noted by GEC ECD review and acceptance of approval by GEC CRE.
OT02	3.4 Edit from FAA ROD published in Federal Register May 26, 2011	HART will file an FAA form 7460-1- <i>Notice of Proposed Construction or Alteration</i> prior to any construction work near and on the airport. Notice to be filed at least 30-days before whichever comes first: construction, or permits for construction are filed.	Section 3 Airport Contract	HART	Design prior to construction	The GEC ECD will meet with the GEC CRE to obtain updates on the notification. Coordination with FAA will be documented in quarterly reports to FTA.	GEC CRE GEC ECD	Complete notification.
OT03	3.4.3 3.4.7	HART shall modify the following roadway intersections as specified in Section 3.4 of the Final EIS: <ul style="list-style-type: none"> <li>North-South Road and East-West Connector Road</li> <li>North-South Road and Future Road B</li> <li>Kamehameha Highway at Waihona Street</li> </ul>	Project-wide in specific locations noted in Section 3.4 of the Final EIS	HART with the guideway and station design and construction contractors	Design and construction	Review design plans against list for the restriping and ensure restriping occurs before increased traffic at merge occurs.  Review construction inspection reports showing construction contractor compliance with plans and specifications.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC CRE. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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		<ul style="list-style-type: none"> <li>Farrington Highway and Waiawa Road</li> <li>Kamehameha Highway and Kuala Street</li> <li>Kona Street and Ke'eaumoku Street</li> <li>H-2 northbound on-ramp and merge area at Kamehameha Highway</li> </ul>						
OT04	4.4	HART shall control spillover parking at stations with one or more mitigation strategies as needed, including, but not limited to, parking restrictions or issuance of parking permits.	Project-wide	HART	Start-up operations	Review of parking control plans for mitigation measure.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC CRE. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
OT05	3.4 and 3.5	HART shall establish temporary loading zones during construction and permanent loading zones for freight and passengers as specified in Chapter 3 of the Final EIS.	Project-wide	HART with the construction contractor	Construction, start-up operations	Review of appropriate plans for mitigation measure, including MOT and business access plans prepared by construction contractor.	GEC CRE GEC ECM	HART/HDOT approves the locations of the temporary and permanent loading zones. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
<b>Public Involvement</b>								
PI01	8.7 3.5.7	HART will continue public involvement activities throughout the Final design and construction periods. The Project website will be the primary information source for up-to-date Project information. In addition, a Project hotline, news releases, instant messaging and emails, and flyers will be used to provide information to the public.	Project-wide	HART with contractors	Design and construction	Each contractor will be required to prepare a Public Awareness and Community Relations Program. This written program will outline notification procedures that meet or exceed the Table of Notifications in Special Provision contract documents. Public involvement activities during construction will be the responsibility of HART and contractors. Oversight is the responsibility of the GEC PI staff. The GEC ECM will meet monthly with the GEC PI staff to review and document that these activities are being implemented.	HART Public Information Officer GEC ECM /HART	Final compliance noted by GEC ECM review and acceptance of Public Awareness and Community Relations Program closeout report.
PI02	4.6	HART will coordinate with each neighborhood where a station is located to design measures that will enhance the interface between the transit system and the surrounding community.	Project-wide	HART with contractors	Design	The GEC Architect will conduct station design workshops and invite the Section 106 Consulting Parties to participate. Feedback from previous workshops held prior to the execution of the PA is being considered. The feedback from these workshops included discussion of the transit stations and enhancement of the surrounding community. The GEC MMPA will document the results of the meetings in the quarterly report to FTA on this MMP.	GEC/HART Architect GEC ECM GEC MMPA GEC ECD HART with contractors	Document meetings, including comments and how comments were addressed in design.

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<b>Noise and Vibration</b>								
NV01	4.10.3	City is committed to achieve an equivalent reduction in pass-by SEL noise levels generated by the Project's vehicles of 3 dBA relative to the FTA reference level for rail transit vehicles included in Table 5-1 of the 2006 Transit Noise and Vibration Impact Assessment Manual through combined vehicle and wayside technical mitigation measures.	Project-wide	HART and CORE Systems design-build-operator	Design and construction	Document that the prescribed mitigation measure has been added to the vehicle design and contractor specifications.	GEC CRE GEC ECD GEC ECM	CORE Systems design-build-operate-maintain contractor will prepare vehicle specifications to include noise abatement equipment. GEC/HART will review and comment on specifications and inspect vehicles prior to acceptance. Interim compliance noted on Final Design plans and signed off by GEC CRE. Final compliance noted by GEC ECM review and acceptance of HART approval of vehicles.
NV02	4.1 4.10.3	HART will install sound-absorptive materials within the guideway structure in the vicinity of Project noise impacts predicted at three locations. Eight-hundred feet of sound-absorptive material will be installed from Pupukahi Street to Pupupuhi Street. For the building at 860 Halekauwila Street, sound-absorptive material will be required from 200 feet 'Ewa of Kamani Street to 100 feet Koko Head of Kamani Street for a total of 300 feet. The building at 1133 Waimanu Street will require sound-absorptive material to be installed between Kamake'e Street and Waimanu Street for a total of 920 feet.	Section 1 WOFH and Section 4 City Center Contracts	HART and guideway contractors	Design and construction	Document that the prescribed mitigation measure has been added to the guideway design and contractor specifications.	GEC CRE GEC ECD GEC ECM	CORE Systems design-build-operate-maintain contractor will prepare track specifications to include noise abatement equipment. GEC/HART will review and comment on specifications and inspect equipment prior to acceptance. Interim compliance noted on Final Design plans and signed off by GEC ECD, GEC DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of HART approval of noise abatement equipment.
NV03	4.10.3	Once the Project is operating, field measurements for noise will be conducted at representative sites. Should the Project's noise impacts exceed the FTA noise impact levels, further mitigation may be implemented on the receivers with the authorization of the property owner.	Project-wide at these specific locations: West Loch to Waipahu Transit Center (2), Waipahu Transit Center to Leeward Community College, Aloha Stadium to Pearl Harbor Navel Base (2), Downtown to Civic Center, Civic Center to Kaka'ako, Kaka'ako to Ala Moana Center	GEC prepares the plan. The CORE Systems design-build-operator will implement the plan once the Project is operating	Start-up of operations	Field measurements will be conducted at representative sites where moderate noise levels are anticipated and a determination will be made whether any measurements show a noise impact when compared to FTA noise impact levels. If so, further mitigation may need to be implemented and coordination with individual property owners will need to occur.	GEC ECM	GEC prepares transit operation noise monitoring plan and performs monitoring during operation of the first phase of each section of the Project. Noise monitoring will be included in the project operation plan. Final compliance noted by GEC ECM review and acceptance of noise monitoring report.

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NV04	4.10.3	HART will design the elevated guideway to include a parapet wall on both sides of the guideway that extends 3 feet above the top of the rail.	Project-wide	HART and guideway designer and contractor	Design and construction	Document that the prescribed mitigation measure has been added to the guideway design and contractor specifications.	GEC CRE GEC ECD GEC ECM	Guideway designer will adhere to guideway specifications to include a parapet wall on both sides of the guideway that extends 3 feet above the top of the rail. GEC will review and comment on specifications and inspect equipment prior to acceptance. Interim compliance noted on Final Design plans and signed off by GEC ECD, GEC DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of HART approval of noise-abatement equipment.
NV05	4.10.3	In the specifications for all traction power substations for the Project HART shall state that the noise generated by the substation measured at the nearest property line must be an hourly Leq of 45 dBA or less in areas with single-family residential uses and an hourly Leq of 50 dBA or less in areas with multifamily residential uses in accordance with State law (HAR 11-46).	Project-wide	HART with CORE Systems	Design and operation	Document that the prescribed mitigation measure has been added to the guideway design and contractor specifications. Once the Project is operational, adequate noise measurements must be taken to verify that noise levels are not higher than the thresholds stated as part of the mitigation commitment.	GEC CRE GEC ECD GEC ECM	CORE Systems design-build-operate-maintain contractor will prepare traction power substation specifications to include noise-abatement equipment. GEC/HART will review and comment on specifications and inspect equipment prior to acceptance. Interim compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of HART approval of noise-abatement equipment.
NV06	4.10.3	HART will construct the two curved tracks in the maintenance and storage yard that are nearest the main building of Leeward Community College with automatic track lubrication devices installed to eliminate any wheel squeal on those curves.	MSF Design-Build Contract	HART with the contractor	Design and construction	Document that the prescribed mitigation measure has been added to maintenance and storage yard facilities design and contractor specifications.	GEC CRE GEC ECD GEC ECM	Maintenance and storage yard facilities design-build- contractor will prepare track specifications to include noise-abatement equipment. GEC/HART will review and comment on specifications and inspect equipment prior to acceptance. Interim compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of HART approval of noise abatement equipment.

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<b>Contaminated Property and Hazardous Materials</b>								
HMW01	4.1 4.12.3	HART will perform a Phase I Environmental Site Assessment (ESA), in accordance with the procedures of the American Society for Testing Materials (ASTM), of every property that will be wholly or partially acquired for the Project and will use a contractor qualified to perform such ESAs. If recommended by the contractor performing the Phase 1 ESA, HART will perform a Phase II ESA (including collecting and analyzing samples). Refer to Final EIS pages 4-129 and 4-130 (329-330) for the potentially contaminated properties that may be acquired.	Project-wide	HART with GEC and contractor	ROW acquisition and design	Coordination between GEC ECM and ROW will be on-going during preparation of ESAs. The GEC will document that the Phase I and Phase II ESAs (in locations recommended in the Final EIS and technical reports) have been completed by the contractor. Whenever possible ESAs will be conducted prior to ROW acquisition.	GEC ECD GEC ECM	Final compliance noted by GEC ECM review and acceptance of ESA reports.
HMW02	4.12	If contaminated soils, groundwater, or structures are found on a property to be acquired, HART will consult with the Hazard Evaluation and Emergency Response Office of the Hawai'i Department of Health (HEERO-DOH) on the appropriate remediation for the contamination found that considers the proposed transit use of the property.	Project-wide	HART	ROW acquisition and design	Document that consultation occurred between HART and HEERO-DOH regarding the appropriate remediation.	GEC ECD GEC ECM	Acceptance of remediation plan by HEERO-DOH.
HMW03	4.12	HART shall ensure that each contaminated property acquired or soon to be acquired for the Project is remediated in accordance with HEERO-DOH requirements. Such remediation may be performed by a potentially responsible party, such as the previous owner responsible for the contamination, or, if such outside party cannot be made to pay for remediation, HART will perform the remediation as part of the Project.	Project-wide	HART	ROW acquisition and design	Document that property acquired or soon to be acquired for the Project is remediated in accordance with HEERO-DOH requirements. Require that all remediation plans have a quality assurance action plan that can be independently checked during cleanup. Monitor the remediation during cleanup if performed by the potentially responsible party to ensure that the quality assurance action plan is being adhered to. Review and confirm ROW reports for compliance.	GEC ECD GEC ECM	Final compliance noted by GEC ECD review and acceptance of Remediation Reports.
HMW04	4.12	Regarding the remediation of contaminated right-of-way owned by HDOT, HART will coordinate with HDOT regarding the work within HDOT's ROW.	Project-wide	HART	ROW acquisition and design	Document that coordination occurred between HART and HDOT through meeting minutes and other correspondence. Review and confirm ROW reports for compliance.	GEC ECD GEC ECM	Final compliance noted by GEC ECD review of documentation and acceptance of Remediation Reports.
HMW05	4.12	HART shall require that all contractors working on any aspect of the Project comply with all applicable requirements of the Construction Health and Safety Plan.	Project-wide	HART with the contractors	Construction	Document the completion of appropriate employee training and perform field monitoring to ensure that the safe use and management practices as part of the Health and Safety Plan that were taught during the training are implemented during construction. Review and confirm training schedule documentation for compliance.	GEC ECM	Compliance noted by GEC ECM review of documentation and acceptance of Health and Safety Plan, review of training schedules, and onsite monitoring of construction activities.

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HMW06	4.18.2 4.18.7 4.18.8	HART shall prepare and execute the following plans to mitigate construction impacts related to wastes and their potential impact to communities and neighborhoods: <ul style="list-style-type: none"> <li>Construction Safety and Security Plan</li> <li>Construction Health and Safety Plan</li> <li>Construction Contaminant Management Plan</li> <li>Construction Contingency Plan</li> <li>Solid Waste Management Plan</li> </ul>	Project-wide	HART and design-build contractor	Design and construction	Plans prepared by the contractor will be reviewed and documented by the GEC ECM. Contractor will prepare a Construction Safety and Security Plan, Construction Health and Safety Plan, and a Hazardous and Contaminated Materials Health and Safety Plan (referred to as Construction Contaminant Management Plan in the MMID). The Solid Waste Management Plan is an appendix to the ECP. The Construction Contingency Plan is a chapter within the Hazardous and Contaminated Materials Health and Safety Plan. This Plan may also be referred to as the Hazardous Substances Health and Safety Plan.  Document that the prescribed mitigation measure has been incorporated into the Project's Hazardous and Contaminated Materials Health and Safety Plan.  Review the Solid Waste Management Plans and have field monitors check compliance with these plans at the site.  GEC field monitors will follow the solid waste management plan and evaluate the amount of wastes that are recycled and determine if it is possible to further recycle non-recycled wastes. See design- and contractor-specific ECPs and Sustainability Plans.	GEC CRE GEC ECD GEC ECM	Compliance noted on final construction plans (all of the five listed in the Mitigation Measure) and signed off by GEC CRE. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
<b>Water Resources</b>								
W01	4.14.3	HART shall mitigate the impacts on water resources at the Waiawa Stream mitigation site and shall include the following: enhancement of the stream to restore and improve ecological and aquatic function; establishment of water quality basins; enhancement of floodway capacity conveyance to achieve zero rise in flood zone by removal of fill and an increase in stream area; extension of existing culvert to Waiawa Stream to correct existing ponding situation; and ecological restoration with native Hawaiian plantings and non-invasive species.	Section 2 Kamehameha Contract	HART with design contractor	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures; specifically check the mitigation plan for impacts to waters of the U.S. in the area of Pearl Highlands Station as prepared by the GEC landscape architect, GEC biologist, and GEC hydraulic engineers with input from guideway contractors.  Document that the prescribed mitigation measure has been incorporated into the Project's final design and construction.  Verify restoration through review of construction monitoring reports.  Field reviews to be conducted according to the terms of the permit.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
W02	4.14	HART shall coordinate with the U.S. Army Corps of Engineers, the Hawai'i Department of Health, and the Hawai'i Commission on Water Resource Management throughout the design and construction of the Project.	Project-wide	HART with the contractors	Design and construction	Apply for CWA Section 404-Department of the Army permit, various nationwide permits, and/or Section 10 of the Rivers and Harbors Act permit. Meeting notes, electronic mail messages, and other documentation of communication between HART and each agency will be compiled and be made available for review. HART will follow all timing and notification conditions as required for each permit.	GEC CRE GEC ECM	Permits granted. Permit conditions incorporated into the Environmental Compliance Plan. Permit coordination files maintained through construction and through any post-construction restoration monitoring as required by the permit.
W03	ROD	HART shall monitor the requirements of permits related to water resources through the design and construction quality process to verify that the design and construction contractors are in compliance.	Project-wide	HART	Design and construction	Verify contractor compliance with permit requirements throughout design and construction. Verify permit conditions are incorporated into the construction contractor's Environmental Compliance Plan. Ensure compliance with permit conditions by monitoring during construction. Verify construction inspection reports show construction contractor compliance with plans and specifications that included the permit conditions.	GEC CRE GEC ECM	All construction activity related to the permits is completed and all post-construction reporting to the permitting agencies is completed.

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W04	4.14	HART shall require the that the Project's elevated guideway clear-span all streams except those indicated in the Final EIS as needing a column within the stream channel.	Project-wide	HART with the contractors	Design and construction	Verify contractor compliance with clear-span requirements throughout design and construction. GEC will verify during design review that these streams are clear-spanned.	GEC CRE GEC ECD GEC ECM	Design reviews showing that clean-spanning of streams are included in the Project design. Construction inspection reports showing construction contractor compliance with plans and specifications that include the permit conditions.
W05	4.14 and ROD	If the U.S. Army Corps of Engineers agrees that a Section 404 Nationwide Permit is appropriate to any phase of the Project, HART shall add the requirements of that particular Nationwide Permit to this monitoring program.	Project-wide	HART	Design and construction	Requirements of Nationwide Permit will be added to this monitoring program once HART receives the Section 404 permit. HART will transmit the permit to the design and construction contractors. The contractors will describe how they will ensure that there is no impact to Waters of the U.S. beyond what is in the permit. The contractor's ECP will outline the procedures for compliance with these permit conditions. The contractor will provide progress reports to the GEC ECM.	GEC CRE GEC ECM	Documentation of Nationwide Permit conditions added to this monitoring program (if needed) provided to FTA in a monthly report following the time period the Nationwide Permit is added.
W06	4.14	HART shall ensure that any contractor-proposed change to an issued permit is reviewed and approved by the issuing agency before the contractor is allowed to proceed with the change.	Project-wide	HART with the design and construction contractors	Design and construction	Requirement that any contractor-proposed change to an issued permit is reviewed and approved by the issuing agency before the contractor is allowed to proceed with the change will be coordinated by the ECM and CRE.	GEC CRE GEC ECM	Results and changes to issued permits will be documented in the monitoring program.
<b>Section 4(f)</b>								
4F01	5.7	Pearl Harbor Bike Path: The section of the bike path temporarily occupied during construction will be fully restored by HART. HART will provide a temporary crossing over the trench to maintain bikeway continuity during construction. HART will repave the bicycle path in the affected area and will restore surrounding plantings disturbed by construction.	MSF Design-Build Contract	HART with the contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Review design plans to verify that the design includes a temporary crossing, repaving, and restoration of plantings. Field review of construction activities to document that the restoration activities have been completed.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
4F02	5.7	Future Middle Loch Park: The land set aside for a future park will be temporarily occupied during construction. HART will restore the land to its condition before construction and vacate when outfall construction has been completed. HART will restore plantings disturbed by construction.	MSF Design-Build Contract	HART with the contractors	Design and construction	Continue coordination with the agencies having jurisdiction over Section 4(f) properties and prepare and maintain documentation of this continuing coordination. Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Review design plans to verify that the design includes restoration of plantings. Field review of construction activities to document that the temporary occupancy is limited to the area specified in the Final EIS and that all restoration activities have been completed.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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4F03	5.5	Aloha Stadium: As specified in the Final EIS, HART will locate the guideway as close to Kamehameha Highway as possible; HART will coordinate with DAGS on the design of the station and parking lots.	Section 3 Airport Contract	HART with the contractors	Design and construction	Continue coordination with the agencies having jurisdiction over Section 4(f) properties and prepare and maintain documentation of this continuing coordination. Verify the process used by the designers to incorporate mitigation commitments, including locating the Project as close to Kamehameha Highway as possible, into the design through review of design quality procedures. Field review of construction activities to document that the guideway design has been implemented.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
4F04	5.5	Ke'ehi Lagoon Beach Park: As specified in the Final EIS, HART will locate the guideway as close to the northern border of the park as possible, with a curve radius that minimizes the use of parkland other than the already paved-over parking area. HART will restore the tennis courts and add lighting for their nighttime use. HART will landscape the affected areas of the park, including trees, shrubs, grass, and picnic tables, according to a landscaping plan developed in consultation with the Department of Parks and Recreation.	Section 3 Airport Contract	HART with the contractors	Design and construction	Continue coordination with the agencies having jurisdiction over Section 4(f) properties and prepare and maintain documentation of this continuing coordination. Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. This will include locating the guideway as close to the northern border of the park as possible, with a curve radius that minimizes the use of parkland other than the already paved-over parking area. Verify compliance during construction by monitoring contractor performance to ensure that the tennis courts are relocated prior to initiating guideway construction in Ke'ehi Lagoon Beach Park.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
4F05	5.5 and ROD	Pacific War Memorial: As specified in the Final EIS or in the ROD, HART will locate the guideway as close to the northern border of the memorial land as possible. HART will landscape and fence the area affected by the Project according to a landscaping plan developed in consultation with the Ke'ehi Memorial Organization and the Hawai'i Disabled American Veterans.	Section 3 Airport Contract	HART with the contractors	Design and construction	Continue coordination with the agencies having jurisdiction over Section 4(f) properties and prepare and maintain documentation of this continuing coordination. Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. This will include locating the guideway as close to the northern border of the memorial land as possible. Verify compliance during construction by monitoring contractor performance to ensure that landscaping and fencing meet the landscaping plan.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
4F06	5.5 and PA	Afuso House, Higa Four-Plex, and Teixeira House: Following the procedure specified in the PA, HART will document these buildings prior to their demolition.	Section 4 City Center Contract	HART with the contractors	Pre-construction and pre-demolition	Review the documentation process and verify coordination efforts with SHPD and consulting parties per the PA.	GEC CRE GEC ECM Kako'o	Compliance noted on Final Design plans and signed off per PA process. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
4F09	5.5 and PA	Lava Rock Curbs: HART shall ensure that all lava rock curbs affected by the Project are marked prior to their removal, are removed with minimal damage and stored securely, are reinstalled at their approximate original location, and that any stone that is damaged during this process is replaced with in-kind material.	Section 4 City Center Contract	HART with the contractors	Design and construction	Verify that lava rock curbstones are marked on design plan sheets and are field checked during design review. Verify that lava rock curbstones are marked prior to removal, stored securely, and replaced at their approximate original mile point locations. Verify that damaged stones are replaced with in-kind materials.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian	Compliance noted on Final Design plans and signed off per PA process. Construction closeout documenting handling and treatment of lava rock curbstones.

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4F11	5.5 and PA	Kapālama Canal Bridge: HART will maintain the existing bridge rails or will replace the bridge rails with new ones that match the appearance of the historic rails in accordance with the Secretary of the Interior's Standards for Treatment of Historic Properties.	Section 4 City Center Contract	HART with the contractors	Design and construction	If bridge rails on the Kapālama Canal Bridge will be replaced, verify that the design matches the appearance of the historic rails and that existing views to and from the bridge will be maintained.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian	Compliance noted on Final Design plans and signed off per PA process. Acceptance of Final Design and construction closeout.
4F12	5.5 and PA	Six Quonset Huts: Following the procedure specified in the PA, HART will prepare a Cultural Landscape Report for the Dillingham Boulevard corridor that includes the Quonset Huts, prior to construction.	Section 4 City Center Contract and Kapālama Station Contract.	HART with the contractors	Design and construction	Verify the documentation process and coordination efforts per the Cultural Landscape Report (CLR) and the PA for the Dillingham Boulevard corridor and that it includes the Quonset Huts. Document final CLR is prepared and distributed per PA stipulation.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian	Acceptance of final documentation.
4F13	5.5 and PA	True Kamani Trees: HART will develop a plan to transplant the trees to a location as close as feasible to the current location of the trees to be removed and will replace any affected trees that cannot be successfully transplanted.	Section 4 City Center Contract	HART with the contractors	Design and construction	Verify that true kamani trees are marked on design plan sheets and relocation plan has been developed.  Field verify that true kamani trees within the corridor are replaced as close as feasible to the current location of the group of 28 true kamani trees on the makai side of Dillingham Boulevard.  Consult with the SHPD and consulting parties per the PA during landscape plan final design.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian	Compliance noted on Final Design plans and signed off per PA process. Acceptance of Final Design and construction closeout.
4F14	5.5 and PA	O'ahu Railway and Land Company Buildings: HART shall ensure that these buildings are not physically altered for the Project.	Section 4 City Center Contract	HART with the contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Verify compliance during construction by monitoring contractor performance to ensure that construction activities are not physically altered.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian	Compliance noted on Final Design plans and signed off per PA process. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
4F15	5.5 and PA	O'ahu Railway and Land Company basalt paving blocks: HART shall ensure that the guideway completely spans and does not touch the paving blocks and does not physically alter the former filling station on the site.	Section 4 City Center Contract	HART with the contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Verify compliance during construction by monitoring contractor performance to ensure that construction activities are not disturbed or physically altered.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian	Compliance noted on Final Design plans and signed off per PA process. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
4F16	5.5 and PA	Chinatown Historic District: HART shall ensure that stations in the district are designed with deference to the Secretary of the Interior's Standards for the Treatment of Historic Properties, and that the Section 106 consulting parties are given an opportunity to comment on the designs.	Section 4 City Center Contract	HART with the design contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian Kako'o	Compliance noted on Final Design plans and signed off per PA process.
4F17A	5.5 and PA	Dillingham Transportation Building: HART shall ensure that the station is offset from the building so that the station itself does not block the building's façade, although the guideway will.	Section 4 City Center Contract	HART with the contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian Kako'o	Compliance noted on Final Design plans and signed off per PA process.

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4F17B	5.5 and PA	Dillingham Transportation Building: HART shall ensure that the building is not altered, and is recorded prior to construction in accordance with the PA.	Section 4 City Center Contract	HART with the contractors	Design and pre-construction	Verify compliance during construction by monitoring contractor performance to ensure that construction activities are not physically altered.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian Kako'o	Compliance noted on Final Design plans and signed off per PA process.
4F17C	5.5, PA and ROD	Dillingham Transportation Building: HART shall ensure that entrance to the station is designed to fit carefully within the existing historic environment, minimizing the effect on the plaza outside the building.	Section 4 City Center Contract	HART with the contractors	Design and construction	Verify the process used by the designers to incorporate PA commitments into the design through review of design quality procedures.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian Kako'o	Compliance noted on Final Design plans and signed off per PA process.
4F17D	5.5, PA and ROD	Dillingham Transportation Building: HART shall work with the Pacific Guardian Center, the manager of the building and plaza, to create a logical pathway for transit users that minimizes the effect on the plaza and arcade.	Section 4 City Center Contract	HART with the contractors	Design	Verify the process used by the designers to incorporate PA commitments into the design through review of design quality procedures. Review coordination notes from meetings with Pacific Guardian manager.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian Kako'o	Compliance noted on Final Design plans and signed off per PA process.
4F18	5.5 and PA	HECO Downtown Plant and Leslie A. Hicks Building: HART shall ensure that the Project only requires demolition of an extension of the Plant building. HART shall ensure that prior to demolition of the extension, the buildings are recorded in accordance with the PA and the historic context study covering the history of Honolulu infrastructure is completed in accordance with the PA.	Section 4 City Center Contract	HART with the contractors	Design and construction	Verify documentation according to PA stipulations. Monitor demolition permits and coordinate according to PA stipulations.	GEC CRE GEC ECD GEC ECM GEC Architectural Historian Kako'o	Compliance noted on Final Design plans and signed off per PA process.
<b>Permits</b>								
PM01	4.21 Table 4-40 3.5.1	Table 4-40 of the Final EIS summarizes permits, certificates, and approvals anticipated to be required for implementation of the Project. Required permits, approvals, and agreements shall be obtained prior to commencing the activity that triggers the permit, approval, or agreement. HART will be responsible for obtaining all permits, approvals, and agreements.  HART shall monitor the requirements of all permits obtained for the Project through the design and construction quality processes to verify that the design and construction contractors are in compliance.	Project-wide	HART with the GEC	Design and construction Refer to Table 4-40 prior to construction	Apply for permits and obtain agency approvals. Verify that permit conditions are incorporated into the Project-wide Environmental Compliance Plan. Ensure compliance with permit conditions monitored during construction. Review construction inspection reports showing construction contractor compliance with plans and specifications included in the permit conditions.	GEC ECM	Permits granted. Interim compliance is noted by GEC ECM as design plans are accepted by GEC DM and GEC CRE. Compliance with permit conditions monitored during construction. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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PM02	3.4.3	There are six locations where the Project will either cross or enter interstate freeway airspace, including freeway mainline and access ramps. HART will apply for, and obtain from FHWA, the necessary permits and approvals related to Interstate freeway airspace. HART will ensure that all conditions and mitigations specified in the FHWA permits or approvals are added to this Mitigation Monitoring Program.	Section 3 Airport Contract	HART with the GEC	Design	Apply for permit and obtain agency approvals. Verify that permit conditions are incorporated into the Environmental Compliance Plan. Ensure compliance with permit conditions monitored during construction. Document compliance with FHWA regulations and requirements related to airspace through correspondence and reporting to FHWA. Review construction inspection reports showing construction contractor compliance with plans and specifications included in the permit conditions.	GEC CRE	Permits granted. Interim compliance is noted by GEC ECM as design plans are accepted by GEC DM and GEC CRE. Compliance with permit conditions monitored during construction. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
PM03	4.14.3	HART will obtain a Section 404 (Clean Water Act) permit from the U.S. Army Corps of Engineers for each phase of the Project. FTA expects nationwide permits to apply. In any case, all conditions and mitigations in each Section 404 permit, whether nationwide or individual, shall be incorporated into this Mitigation Monitoring Program.	Project-wide	HART with the GEC	Design and construction	Apply for CWA Section 404-Department of the Army permit, various nationwide permits, and/or Section 10 of the Rivers and Harbors Act permit.	GEC ECM	Permits granted. Documentation of Nationwide Permit conditions added to this monitoring program (if needed). Permit conditions incorporated into the Environmental Compliance Plan. Compliance with permit conditions monitored during construction. Construction inspection reports showing construction contractor compliance with plans and specifications that included the permit conditions.
PM04	Ch. 4 and ROD	HART shall take whatever actions are necessary to obtain a determination by the State that the Project is consistent with the Coastal Zone Management (CZM) Plan. All mitigation actions required by the State's consistency determination shall be added to this Mitigation Monitoring Program.	Project-wide	HART	Design and construction	Apply for permit from the State Department of Land and Natural Resources.	GEC ECM	Permits granted. Documentation of CZM Permit conditions added to this monitoring program (if needed). Permit conditions incorporated into the Environmental Compliance Plan. Compliance with permit conditions monitored during construction. Construction inspection reports showing construction contractor compliance with plans and specifications that included the permit conditions.
<b>Stormwater Management and Floodplains</b>								
SM01	4.14	HART shall require that the stormwater management system at the maintenance and storage facility be designed so that the stormwater discharged into Pearl Harbor meets or exceeds the water quality requirements for the estuary.	MSF Design-Build Contract	HART with contractors	Design and construction	Review design plans against permit conditions and document that design for the MSF include permanent BMPs on the stormwater outfall structures associated with the Project.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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SM02	4.14	HART shall require that the stormwater management system at the maintenance and storage facility be designed with on-site catch basins and connecting underground pipes that drain into a detention basin. Stormwater from the detention basin will be piped through an underground pipe and concrete box culvert into Middle Loch of Pearl Harbor. The system will include permanent oil-water-sand separators.	MSF Design-Build Contract	HART with contractors	Design and construction	Document that on-site catch basins and connecting underground pipes that drain into a detention basin are included in construction plans and specifications and that they have been implemented according to the ROD.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the ROD. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM03	4.14 and ROD	HART shall monitor the requirements of the Storm Water Management Plan through the design and construction quality assurance process to verify that the construction contractors are in compliance.	Project-wide	HART	Design and construction	Document that stormwater BMPs are included in construction plans and specifications and that they have been implemented.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the NPDES Stormwater Discharge permit conditions. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM04	4.14	HART shall require that the Project be designed so that its elements and facilities do not encroach significantly on the 100-year floodplain anywhere.	Project-wide	HART with contractors	Design	Document that 100-year floodplains are not significantly encroached upon in construction plans and specifications.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM05	4.14	HART shall require that the Project be designed so that its elements and facilities comply with all applicable State and Local flood zone regulations.	Project-wide	HART with contractors	Design	Document that design specifications for the Project, including elements and facilities, comply with all State and Local flood zone regulations.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM06	4.14 and ROD	HART shall require that permanent best management practices (BMPs) for stormwater be included in the design of the maintenance and storage facility and the park-and-ride lots. HART shall specify these BMPs in detail and add them to this monitoring program.	MSF Design-Build Contract	HART with contractors	Design and construction	Document that design specifications for the maintenance and storage facility include permanent BMPs for the maintenance and storage facility and park-and-ride lots associated with the Project. Add specific BMPs to this monitoring program.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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SM07	4.14 and ROD	HART shall require that permanent BMPs for stormwater be included in the design of the Project's guideway wherever it crosses a water body. HART shall specify these BMPs in detail and add them to this monitoring program.	Project-wide	HART with contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document that design specifications include permanent BMPs whenever the Project crosses a water body. Add specific BMPs to this monitoring program.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by ECM review and acceptance of construction closeout report.
SM08	4.14	HART will ensure that stormwater runoff from the Project is filtered through landscaped areas and sedimentation collars wherever possible.	Project-wide	HART with contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document design specifications for stormwater runoff to be filtered through landscaped areas and sedimentation collars.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM09	4.14	HART will ensure that stormwater runoff from the Project is filtered through specially designed bioinfiltration units near water bodies. In locations where space does not allow for this approach, HART will install downspout filters on drains near impaired waters.	Project-wide	HART with contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document design specifications for stormwater runoff from the Project to be filtered through bioinfiltration units if space allows or use of downspout filters on drains near waterbodies.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM10	4.14 and ROD	HART will ensure that permanent BMPs are installed as part of the Project to address stormwater quality before the stormwater from the Project is discharged into streams or storm drains. These BMPs shall promote a natural, low-maintenance, sustainable approach to managing stormwater quality upon its discharge. HART shall specify these BMPs in detail and add them to this monitoring program.	Project-wide	HART with contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document design specifications to improve quality before discharge into streams or storm drains for permanent BMPs for stormwater runoff from the Project.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM11	4.14	HART will ensure that all stormwater downspouts from the guideway include erosion controls and energy dissipation devices to prevent any scour of receiving land.	Project-wide	HART with contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document design specifications for stormwater downspouts from the guideway include erosion controls and energy dissipation devices.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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SM12	4.14	HART shall ensure that bioretention areas, vegetated buffer strips, dry swales, water quality basins, and oil-water separators are considered for the Project's maintenance and storage facility and park-and-ride lots if needed to achieve the water quality commitment.	Project-wide	HART with contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document design specifications for achieving water quality commitments.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM13	4.14	HART will ensure that the stormwater management system directs stormwater runoff into the ground to recharge the groundwater system as needed to sustain the existing aquifer system. Oil-water separators will be installed wherever needed to protect groundwater quality.	Project-wide	HART with contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document design specifications for directing stormwater runoff into the ground to recharge the groundwater system and for oil-water separators being installed wherever needed to protect groundwater quality.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM14	4.14 and ROD	HART will ensure that construction BMPs are used and are sufficient to protect groundwater quality during construction. HART shall specify these BMPs in detail and add them to this monitoring program.	Project-wide	HART with contractors	Construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document design specifications for construction BMPs.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications, including specific BMPs to be added to this monitoring plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM15	4.14	HART will ensure that any guideway column that must be placed in a stream channel aligns with an existing column of other structures in the channel.	Project-wide	HART with contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Document design specifications for guideway columns in streams.	GEC ECD GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SM16	4.14	HART will ensure that the mitigation of impacts on Waiawa Stream includes, but is not limited to, the restoration of portions of the stream bank and riparian zone previously covered with fill material, and natural landscaping of all riparian areas along the stream affected by the Project.	Project-wide	HART with Contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Verify restoration through review of construction monitoring reports.	GEC CRE GEC ECD GEC ECM	Compliance noted on Final Design plans and signed off by GEC DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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<b>Construction Effects</b>								
CON01	4.18	During construction, HART shall maintain all landscaped areas within the construction limits to HDOT standards using HDOT maintenance specifications, including mowing; edging; trimming; weeding; pruning; care of shrubs and trees; fertilizing; application of pesticides and herbicides; clearing gutters, swales, and ditches; removal of invasive plants; and removal and disposal of rubbish and debris.	Project-wide	HART with contractors	Construction	The GEC ECM will review and comment on work plans as necessary prior to commencement of any major construction activity. GEC will conduct field reviews to document that HDOT maintenance specifications have been implemented for all landscaped areas within the construction limits.	HART with contractors	Construction inspection reports show construction contractor compliance with plans and specifications that include the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON02	3.5 4.18	HART shall require that construction staging occur on properties needed for the guideway, the stations (including park-and-ride lots), and the maintenance and storage facility. FTA shall be informed if any contractor requires additional staging areas, in which case an appropriate environmental review will be performed.	Project-wide	HART with contractors	Construction	The GEC ECM will review and comment on work plans as necessary prior to commencement of any major construction activity. GEC will conduct field review to document that only approved construction staging areas are being used, as specified in the Mitigation Measures. GEC will verify that the contractor informs FTA if any additional staging areas are needed.	HART with contractors	Construction inspection reports show construction contractor compliance with plans and specifications that include the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON03	3.5.7 8.6.10	HART shall develop a Maintenance of Traffic (MOT) Plan and a Transit Mitigation Program (TMP). The MOT will include site-specific traffic-control measures and will be developed in consultation with HDOT. Both the MOT and TMP will be shared with the public through the Project website.	Project-wide	HART with the designers and contractors	During Final Design and prior to construction	GEC ECM will review the contractors' procedures for compliance with the ECP and work plans. The GEC ECM will review and comment on work plans as necessary prior to commencement of any major design or construction activity. GEC will conduct field reviews to document that the mitigation measures prescribed in the MOT and TMP have been put in place and executed.	GEC ECM	HART/HDOT approve the MOT and TMP, which are shared with the public. MOT and TMP become part of construction contract documents. Construction inspection reports show construction contractor compliance with construction contract documents that included the mitigation measures. GEC ECM will note compliance by reviewing documenting compliance checked by HART and HDOT.
CON04	3.5.7	HART shall formulate Work Zone Traffic Control Plans, including detour plans, during Final Design in cooperation with HDOT and other affected jurisdictions.	Project-wide	HART with the designers and contractors	Prior to construction	Field review to document that the mitigation measures prescribed in the traffic control plan have been put in place and executed.	GEC ECM	HART/HDOT approve the plan and affected jurisdictions are notified. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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CON05	4.18	HART will employ a dedicated environmental compliance manager to oversee construction contractor compliance with all stormwater Best Management Practices (BMPs), construction noise mitigation measures, utility coordination, business access requirements, and any mitigation plans prepared for the Project, including those presented in permit conditions and the MOT Plan.  HART shall monitor the requirements of the Storm Water Management Plan through the design and construction quality process to verify that the construction contractors are in compliance.	Project-wide	HART with the GEC	Design and construction	Field review to document that the mitigation measures prescribed in the Final EIS and permit conditions have been put in place and executed.	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON06	4.18.2 8.6.10	HART shall maintain access to businesses in the Project area throughout construction, although there may be temporary changes to access and traffic movement during construction.	Project-wide	HART with the construction contractors	Construction	Field review to document that access to businesses has been maintained or accommodations for temporary changes to access and traffic movement have been implemented.  Draft Construction Transportation Management Plan, Page 3: "Local access to driveways will be maintained. For curb-lane closures, local access will be provided to adjacent businesses."	GEC ECM	Businesses are notified in advance of possible changes in access, and disruptions are minimized. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON07	4.18.2	Utility service to abutting properties may be temporarily interrupted for short periods during construction. HART shall contact property owners and tenants prior to any interruption of utility services. HART shall ensure that replacements for existing utilities provide utility companies the capacity equal to that offered before the replacement. HART shall coordinate with emergency services and utility companies to ensure that utility relocations meet their needs and that sufficient clearance is provided between project elements and utilities.	Project-wide	HART with the construction contractors	Construction	The GEC ECM will document that property owners were notified prior to utility relocation in locations where there may be an interruption of utility service. The GEC ECM will document coordination with emergency service providers and utility companies during utility relocation design and construction. The GEC ECM will review meeting notes and meet with the GEC CRE monthly to document coordination efforts.  The GEC CRE will verify that the utility capacity will not be reduced by reviewing design plans for utility replacement	GEC CRE GEC ECM	Property owners, administrators of affected schools, parklands, or recreational resources are notified in advance of possible disruptions. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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CON08	4.18.3	<p>HART will require all contractors to incorporate construction management practices to minimize visual impacts during construction, including the following:</p> <ul style="list-style-type: none"> <li>Remove visibly obtrusive erosion-control devices, such as silt fences, plastic ground cover, and straw bales, as soon as an area is stabilized</li> <li>Locate stockpile areas in less visibly sensitive areas whenever possible so they are not visible from the road or to residents and businesses</li> <li>Shield temporary lighting and direct it downward to the extent possible</li> <li>Limit the times construction lighting can be used in residential areas</li> <li>Replace removed street trees and other vegetation with appropriately sized vegetation as soon as practical after construction is completed in the same location or another location in accordance with City and State requirements</li> </ul>	Project-wide	HART with the contractors	Construction contracting and construction	<p>Conduct field reviews to document that the construction management practices listed in the Mitigation Measure have been implemented.</p> <p>Review the contractor's Environmental Compliance Plan to verify that it includes construction management practices to minimize visual impact during construction.</p>	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON09	4.18.4	<p>HART will require contractors to take appropriate actions to comply with fugitive dust requirements. Contractors must make use of the following control measures whenever needed to reduce fugitive dust:</p> <ul style="list-style-type: none"> <li>Minimize land disturbance</li> <li>Use watering trucks to moisten disturbed soil</li> <li>Use low emission equipment when feasible</li> <li>Cover loads when hauling dirt</li> <li>Cover soil stockpiles if exposed for long periods</li> <li>Use windbreaks to prevent accidental dust pollution</li> <li>Limit the number of vehicular paths and stabilize temporary roads</li> <li>Maintain stabilized construction area ingress/egress areas</li> <li>Wash or clean trucks prior to leaving construction sites</li> <li>Minimize unnecessary vehicular activities</li> </ul>	Project-wide	HART with the contractors	Construction contracting and construction	Field review to document that the measures (listed in the Mitigation Measure) to reduce fugitive dust have been implemented.	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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CON10	4.18.10	Temporary structures may be placed in, or on the banks of, Kalo'i Gulch, Waiawa Stream, Waiawa Springs, Moanalua Stream, Kapālama Canal Stream, and Nu'uau Stream during construction. HART will require that appropriate permits for these structures are obtained from Federal and State agencies by the contractors. HART shall add to this mitigation monitoring program all conditions and mitigations specified in these permits, including but not limited to, the removal of temporary structures, the restoration of riparian areas affected by the structures, and BMPs developed to mitigate impacts caused by the placement of fill.	Section 1 WOFH and Section 3 Airport, and Section 4 City Center Contracts	HART with the GEC	Construction	Document that BMPs to mitigate potential impacts to streams are included in construction plans and specifications and that they have been implemented.	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the permit conditions for working within regulated waters. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON11	4.18	HART shall use BMPs to mitigate potential impacts to streams during construction, such as the following: <ul style="list-style-type: none"> <li>Isolating the construction area from the water with cofferdams, sandbags, or other temporary water-diversion structures</li> <li>Prohibiting the fueling of equipment in the stream channel</li> <li>Preventing wet or green concrete from contact with flowing water</li> <li>Maintaining fish passage and avoiding work in streams during fish spawning seasons</li> <li>Minimizing the removal of riparian vegetation</li> <li>Implementing the other BMPs listed on page 4-210 of the Final EIS.</li> </ul>	Project-wide	HART with contractors	Construction contracting and construction	Document that BMPs to mitigate potential impacts to streams are included in construction plans and specifications and that they have been implemented.	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the permit conditions for working within regulated waters. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON12	4.18.10	HART shall prohibit the contractors from entering any wetlands during construction. HART will ensure that wetlands are designated as no-work areas on the Final Design plan sheets and that the contractor installs fencing around wetland areas to designate the no-work area. HART shall have the fencing inspected regularly to ensure that it is maintained.	Project-wide	HART with contractors	Construction contracting and construction	Field review to document that orange fencing around wetlands has been installed. Inspect routinely to ensure that it is maintained.	GEC ECM	Confirm that wetlands are designated as a no-work area on the Final Design plan sheets. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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CON13	4.18.10	Excessive or differential settlement due to drilled shaft dewatering and the resultant depression of the groundwater surface can cause cracking and other damage to structures. HART shall require contractors to monitor groundwater levels and settlements wherever dewatering is performed.	Project-wide	HART with contractors	Construction contracting and construction	Monitor all drilled shafts by inspecting for drawdown and observe for settlement activities. Notify GEC ECM of any drawdown greater than 5 feet, excessive ground settlements, or cracking and other damage to structures that may be related to dewatering.	GEC ECM	HART and HDOT review and comment on the plans and specifications related to geotechnical stability. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures for geotechnical stability. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON14	4.18.10	HART shall not allow uncontrolled releases of drilling fluids and shall require contractors to collect and treat displaced fluids in accordance with permit requirements.	Project-wide	HART with contractors	Construction contracting and construction	Inspect drilling locations and observe handling of drilling fluids; maintain record of all fluid disposals.	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures for handling and disposing of drilling fluids. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON15	4.18.10	HART shall require construction contractors to use stormwater BMPs that include, but are not limited to, the following: <ul style="list-style-type: none"> <li>Minimize land disturbance</li> <li>Stabilize or cover the surface of soil piles</li> <li>Revegetate all cleaned and grubbed areas to the extent possible</li> <li>Maintain stabilized construction area ingress/egress areas</li> <li>Wash or clean trucks prior to leaving the construction site</li> <li>Install silt fences and storm drain inlet filters</li> <li>Prevent off-site stormwater from entering the construction site</li> <li>Implement other stormwater management techniques</li> </ul>	Project-wide	HART with contractors	Construction contracting and construction	Document that BMPs are included in construction plans and specifications and that they have been implemented.	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the NPDES Stormwater Discharge permit conditions. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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CON16	3.4.7 3.5.7	HART shall temporarily relocate passenger loading zones on Halekauwila Street near South Street and on Halekauwila Street near Kamani Street and a freight loading zone on Ka'aahi Street to nearby locations for the duration of construction.	Section 4 City Center Contract	HART with contractors	Design	Inspect passenger loading zones after they have been relocated and before construction begins.	GEC ECD GEC ECM	Documentation that temporary changes to loading zones have been included in the plans and specifications. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measure. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON17	4.18	HART will keep the public aware of upcoming work locations, will post information on the Project website about parking disruptions and alternatives, and will post street signs directing people to nearby locations with available parking. HART will coordinate with property owners regarding the timing of construction and other issues to minimize disruption to off-street parking.	Project-wide	HART with contractors	Pre-construction and construction	Document that the Public Awareness and Community Relations Program applications have been implemented, including maintaining and updating the Project website.	GEC ECM GEC Public Involvement Manager	Final compliance noted by GEC ECM review and acceptance of Public Awareness and Community Relations Program closeout report.
CON18	4.18	HART shall ensure the following: <ul style="list-style-type: none"> <li>• Access to existing bicycle and pedestrian facilities will be maintained during all phases of construction as safety allows</li> <li>• Warning or notification signs will be provided</li> <li>• Pedestrian detours will be reviewed to ensure they are reasonable for all pedestrians and meet ADA regulations</li> <li>• Proper deterrents, such as barriers or fencing, will be placed to prevent access through the construction area</li> <li>• Pedestrian flow will be channelized in areas where sidewalks are near construction</li> <li>• Alternative pedestrian routes will be provided to avoid hazardous areas.</li> </ul>	Project-wide	HART with contractors	Construction	Field review to document that the mitigation measure has been implemented.	GEC ECM	HART and HDOT review and comment on the pedestrian circulation and control plan, and affected jurisdictions are notified. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures of the pedestrian circulation and control plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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CON19	3.5.7	During construction, HART will provide local travelers with information about traffic disruptions and bus route changes through the Project website, a telephone hotline, and media outlets.	Project-wide	HART with the GEC	Design prior to construction and implement ITS during construction	Document that the ITS applications have been implemented.	GEC ECM	HART and HDOT review and comment on the traffic control plan, and affected jurisdictions are notified. Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures of the traffic control plan. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON20	4.18.5	For buildings closer than 75 feet to construction activities that generate ground vibrations, HART will require contractors to perform a video survey of the immediate area prior to the start of any construction activity where vibration levels may be high enough to affect surrounding structures.	Project-wide	HART with contractors	Construction contracting and construction	Review of contractor mitigation plan; on-site monitoring during pile driving activities.	GEC ECM	Construction inspection reports show construction contractor compliance with noise and vibration monitoring plans and specifications that included the mitigation measures. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON21	4.18.5	Prior to construction, HART shall obtain a Community Noise Variance from the Hawai'i Department of Health (HDOH) for the Project. HART will obtain noise permits prior to the construction of each phase of the Project. The permits will regulate construction times and activities and include mitigation commitments.	Project-wide	HART with the GEC	Prior to construction	Review and approval of the noise variance by HDOH.	GEC ECM	Construction times and activities are regulated and construction noise managed in conformance with the noise variance. Construction inspection reports show construction contractor compliance with requirements of Community Noise Variance and noise permits. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON22	4.18.8	Prior to clearing and grubbing in the HCP and near the ko'oloa'ula contingency reserve, HART will have the area surveyed by a qualified horticulturist approved by the Department of Land and Natural Resources (DLNR). If any ko'oloa'ula are found, HART will follow the procedures outlined in the MOA and have the horticulturist remove the plants and transplant them to the contingency reserve or other DLNR-approved location.	Section 1 WOFH Contract	HART with the GEC	Prior to clearing and grubbing or construction activities	Field review and verify that conditions of the HCP have been met.	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures related to ko'oloa'ula. Final compliance noted by GEC ECM review and acceptance of construction closeout report.

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CON23	4.18.8 7.3.1	HART will survey all large canopy trees to be pruned prior to construction to ensure that no trees have white tern chicks. If any chicks are found, HART will delay the pruning until the chicks fledge.	Section 4 City Center Contract	HART with the GEC	Prior to construction	Survey all large canopy trees for the presence of white tern chicks and street trees that will not be affected by system operation.	GEC ECM	Construction inspection reports show construction contractor compliance with plans and specifications that included the mitigation measures related to large canopy trees. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
CON24	NEW FAA ROD published in Federal Register May 26, 2011	HART shall temporarily relocate and provide signage to economy parking lot and lei stands at airport in coordination with HDOT-A with FAA approval to nearby locations for the duration of construction.	Section 3 Airport Contract	HART with contractors	Design	ECD review of design plans and temporary relocation plans. Inspect parking lot and lei stands after they have been relocated and or relocated business signage installation before construction begins.	GEC ECD GEC CRE GEC ECM	Construction inspection reports show construction contractor compliance with temporary relocation agreement with HDOT-A. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
<b>Health and Safety</b>								
HS01	4.18.7	HART will require contractors to develop a Construction Health and Safety Management Plan that meets the requirements of 29 CFR 1910 and 1926 and all other applicable Federal, State, and Local regulations and requirements related to construction health and safety. The plan will also include provisions for identifying asbestos and lead-based paint that will be disturbed by the Project.	Project-wide	HART with the construction contractors	Prior to construction and during construction	Verify compliance by having construction contractors submit Construction Health and Safety Management Plan and review it against the requirements of 29 CFR 1910 and 1926 and technical specifications.	GEC CRE GEC ECM GEC Health and Safety Manager	This MMID has been reassigned to the HART Safety and Security Team. General Monthly Progress Reports include reporting on Safety and Security and are stored in CMS and on the project website at: <a href="http://www.honolulutransit.org">www.honolulutransit.org</a> . No further tracking will be provided on this form.
<b>Safety and Security</b>								
SS01	2.5.4 4.6.3 4.18.7	HART will develop a project-specific Safety and Security Management Plan and submit it to FTA for approval. The plan will define the activities and methods for identifying, evaluating, and resolving potential safety hazards and security vulnerabilities and will establish responsibilities and accountabilities for safety and security during the Final Design, construction, and start-up phases of the Project.	Project-wide	HART with the GEC and other contractors	Final Design	Compliance checked by separate review and documentation in SSCP per Safety and Security Special Provisions. HART has established the Safety and Security Oversight and Review Committee and the Safety and Security Certification Review Committee as forums for facilitating SSCP activities. The HART Safety and Security Managers (SSM) will assist the GEC ECM in complying with mitigation measures stipulated in the Final EIS and ROD that are associated with safety and security.	GEC Safety and Security Manager (SSM) HART SSM	This MMID has been reassigned to the HART Safety and Security Team. General Monthly Progress Reports include reporting on Safety and Security and are stored in CMS and on the project website at: <a href="http://www.honolulutransit.org">www.honolulutransit.org</a> . No further tracking will be provided on this form.
SS02	2.5.4 4.6.3 4.18.7	HART shall require all contractors to participate in the Project Safety and Security Certification Program for the duration of the Project contract. This program will require, at a minimum, that the contractor develop and follow a Safety and Security Certification Plan in conformance with the Project Safety and Security Management Plan and the FTA Handbook for Transit Safety and Security Certification.	Project-wide	HART with contractors	Prior to construction and during construction	Compliance checked by separate review and documentation in SSCP per Safety and Security Special Provisions. HART has established the Safety and Security Oversight and Review Committee and the Safety and Security Certification Review Committee as forums for facilitating SSCP activities. The HART Safety and Security Managers (SSM) will assist the GEC ECM in complying with mitigation measures stipulated in the Final EIS and ROD that are associated with safety and security.	GEC SSM HART SSM	This MMID has been reassigned to the HART Safety and Security Team. General Monthly Progress Reports include reporting on Safety and Security and are stored in CMS and on the project website at: <a href="http://www.honolulutransit.org">www.honolulutransit.org</a> . No further tracking will be provided on this form.

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SS03	2.5.4	HART shall implement the measures presented in the <i>Threat and Vulnerability Assessment</i> review by the General Services Administration (GSA) for the Federal building.	Specific locations along the entire transit corridor, such as near the Federal Courthouse on Halekauwila Street	HART with the designers and contractors	Design and construction	Compliance checked by separate, review and documentation in Safety and Security Certification Program per Safety and Security Special Provisions.	GEC CRE GEC ECM	Design and construction completed in sensitive locations. Design compliance noted on Final Design plans and signed off by GEC ECD, DM and CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SS04	ROD	HART shall implement the design changes made for clearance distance from the Federal building, as reviewed by GSA.	The Federal Courthouse on Halekauwila Street	HART with the designers and contractors	Design and construction	Compliance checked by separate, review and documentation in Safety and Security Certification Program per Safety and Security Special Provisions.	GEC CRE GEC ECM	Design and construction completed in sensitive locations. Design compliance noted on Final Design plans and signed off by GEC ECD, DM and GEC CRE as needed. Final compliance noted by GEC ECM review and acceptance of construction closeout report.
SS05	4.5.3	HART shall implement the following safety and security measures: <ul style="list-style-type: none"> <li>Require Project designs and architectural details that enhance safety</li> <li>Incorporate close circuit television cameras and lighting into station designs</li> <li>Prior to opening for revenue operation, develop and conduct public educational programs to enhance public awareness of safety and security issues associated with the Project</li> </ul>	Project -wide	HART with the designers and contractors	Design and construction	Compliance checked by separate review and documentation in SSCP per Safety and Security Special Provisions. The GEC ECM will audit the processes of the SSMP to demonstrate compliance of safety and security. HART has established the Safety and Security Oversight and Review Committee and the Safety and Security Certification Review Committee as forums for facilitating SSCP activities. The HART Safety and Security Managers (SSM) will assist the GEC ECM in complying with mitigation measures stipulated in the Final EIS and ROD that are associated with safety and security.	GEC SSM HART SSM GEC ECM	The SSMP will include a process for the Safety and Security Certification Program to audit the effectiveness of the operating and emergency procedures. GEC ECM will note compliance by reviewing documenting compliance checked by the GEC and HART SSM.
SS06	NEW FAA ROD Published in Federal Register May 26, 2011 Page 7	HART shall coordinate with HDOT-A and FAA to follow the amendment to the airport certification manual pursuant to 14 CFR Part 139 to maintain aviation and airfield safety during construction, and, as required, to the airport security plan pursuant to 14 CFR Part 107.	Section 3 Airport Contract	HART with the GEC	Design and construction	Compliance checked by separate review and documentation in SSCP per Safety and Security Special Provisions that will follow the amendment to the airport certification manual pursuant to 14 CFR Part 139 to maintain aviation and airfield safety during construction, and, as required, to the airport security plan pursuant to 14 CFR Part 107 as coordinated with HDOT-A and FAA. The GEC ECM will audit the processes of the SSMP in Section 3 Airport to demonstrate compliance of safety and security.	GEC SSM HART SSM GEC ECM	The SSCP will include a process for the Safety and Security Certification Program to audit the effectiveness of the operating and emergency procedures. GEC ECM will note compliance by reviewing and documenting compliance checked by the GEC and HART SSM.

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<b>Parking</b>								
P01	3.4.7	HART will conduct parking surveys prior to starting construction of each station to determine the need for control of overflow parking. Control strategies include, but are not limited to, the following: <ul style="list-style-type: none"> <li>Parking restrictions (where parked cars cause safety or congestion problems)</li> <li>Parking regulation (e.g., meters, time limits, or other methods to encourage turnover)</li> <li>Permit parking (e.g., resident or employee parking)</li> <li>Shared parking arrangements (at locations where parking is available but dedicated to another purpose, such as retail centers, office uses, or places of worship)</li> </ul>	Project-wide in neighborhoods around station locations	HART with the GEC	Prior to the start of station construction	Compliance checked by separate review of survey methodology and survey results. Documentation of this review will be kept in project files. Conduct a follow up survey to determine if the selected mitigation was appropriate.	GEC ECM	GEC/HART will prepare parking survey plan. Final compliance noted by GEC ECM review and acceptance of parking survey report. HART will share the results of the parking survey with DPP as needed.
P02	3.4.4 3.4.7 7.3.1 8.6.11	Off-street privately owned parking spaces needed to construct the guideway or stations will be acquired by HART in accordance with the requirements of the Uniform Relocation Assistance and Real Property Acquisition Policies Act, as amended.	Project-wide	HART and the ROW Team	Prior to the start of construction	Check reports and communicate with HART ROW Team as needed prior to monthly updates and quarterly reports. Review documentation of the following with ROW Team: (1) That all acquisitions are performed in accordance with the requirements of the U.S. Uniform Relocation Assistance and Real Property Acquisition Policies Act, as amended. (2) That all land owners were paid fair-market value for the land, including the value of the parking spaces (3) That land owners were able to replace parking spaces as appropriate.	HART	HART will review documentation, including use agreement/ acquisition or replacement procedures, following all applicable guidelines and regulations. Right-of way coordinators will provide compliance documentation per the RAMP, which will be monitored separately from this MMP.
P03	3.4.7	HART shall provide for passenger loading zones through measures such as the following: <ul style="list-style-type: none"> <li>The passenger loading zone used for a day-care facility on Halekauwila Street between 'Āhūi and Kamani Streets will be relocated nearby on Ilaniwai Street from Cooke Street to Kamani Street. As a result, some of the existing on-street parking on Ilaniwai Street will be converted to passenger loading zones during the A.M. and P.M. peak periods.</li> <li>A new passenger loading zone on Halekauwila Street between Punchbowl and South Streets will be installed in the same general location after construction is completed.</li> </ul>	Section 4 City Center Contract	HART with the contractors	Prior to the start of construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Verify mitigation during construction through review of construction monitoring reports.	GEC CRE GEC ECD GEC ECM	Review design plans for compliance, as noted on Final Design plans, and signed off by GEC ECD, DM and GEC CRE as needed. Compliance verification given by GEC ECM after GEC ECD coordinates with the GEC CRE to document acceptance of Final Design and construction closeout.

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P04	3.4.7	HART will relocate the freight loading zone on Ka'aahi Street nearby.	Section 4 City Center Contract	HART with the contractors	Prior to the start of construction	Verify compliance that permanent relocation of loading zone to a new location is included in design. Verify restoration through review of construction monitoring reports.	GEC CRE GEC ECD GEC ECM	Review design plans for compliance, as noted on Final Design plans, and signed off by GEC ECD, DM and GEC CRE as needed. Compliance verification given by GEC ECM after review and acceptance of construction closeout report.
P05	3.4.7	HART will replace the lost parking at Leeward Community College at an alternate location on campus. HART will coordinate with Leeward Community College during Final Design to relocate the parking.	Section 1 WOFH Contract	HART with the contractors	Design and construction	Verify the process used by the designers to incorporate mitigation commitments into the design through review of design quality procedures. Verify relocation through review of construction monitoring reports.	GEC CRE GEC ECD GEC ECM	Review design plans for compliance, as noted on Final Design plans, and signed off by GEC ECD, DM and GEC CRE as needed. Compliance verification given by GEC ECM after review and acceptance of construction closeout report.
<b>Historic Preservation</b>								
HP01	HP01 Sec. 106 PA XIV.A	HART shall develop a schedule for implementation of PA stipulations and send to consulting parties and post on Project website.	Project-wide	HART GEC Architectural Historian	60 days after execution of PA	Document schedule submittal to signatories. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC Environmental Planning Director (EPD)	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that schedule is prepared and submitted on or within PA timeframe.
HP02	HP02 Sec. 106 PA Stipulation XIV.E	HART shall hold quarterly meetings with consulting parties and report on implementation of the PA. After the first 24 months, HART shall hold annual meetings with the consulting parties to report on implementation of the PA.	Project-wide	HART GEC Architectural Historian	Effective immediately upon execution of PA Quarterly and annual meetings	HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring Document schedule of quarterly meetings with review of meeting notes.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP03	HP03 Sec. 106 PA Stipulation 1.H	HART shall hire an independent project manager (the <i>Kako'o</i> ) to assist with the coordination of all reviews and deliverables required under the terms of the PA. HART shall follow hiring process specified in the PA for this hiring.	Project-wide	HART	Within 6 months of executing the PA	Verify and document hiring, procurement, and written notification to signatory and consulting parties. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.

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HP04	HP04 Sec. 106 PA Stipulation II	HART shall undertake additional studies on Traditional Cultural Properties (TCP) using a contractor experienced in ethnographic studies and following the process set forth in the PA, including consultation with consulting parties and Native Hawaiian Organizations.	Project-wide	HART GEC Architectural Historian	Within the first six(6) months of executing the PA; pre-construction	Verify and document TCP study progress. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD GEC TCP specialist	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document completion of TCP Study and evaluation for NRHP eligibility in accordance with Act 50, Session Laws of Hawai'i 2000 and guidance in National Register Bulletin 38.
HP05	HP05 Sec. 106 PA Stipulation II	If the TCP study finds any unexpected TCP in an area potentially adversely affected by the Project, FTA and HART will complete determination of eligibility for listing on the NRHP and effect in accordance with the Section 106 and the PA.	Project-wide	HART GEC Architectural Historian	Complete prior to construction for each phase	Verify and document SHPD concurrence on eligibility and effects determinations. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD GEC TCP specialist	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP06	HP06 Sec. 106 PA Stipulation II	If the TCP study finds any unexpected TCP in an area potentially adversely affected by the Project, HART will, in accordance with the PA, prepare documentation of that TCP needed to nominate it to the National Register, and submit that documentation to the SHPD. HART will complete all fieldwork, eligibility and effects determination and consultation to develop treatment measures related to TCPs prior to the start of construction.	Project-wide	HART GEC Architectural Historian, GEC Archaeologist, and other cultural resource professionals	Complete prior to construction for each phase	Verify and document SHPD concurrence on eligibility and effects determinations. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP07	HP07 Sec. 106 PA Stipulation III	Following the procedures set forth in the PA, HART shall develop and carry out an Archaeological Inventory Survey (AIS) Plan for each construction phase of the Project. The AIS will be completed in advance of Final Design for each construction phase. For Construction Phase 4, HART will initiate consultation for the AIS Plan within 60 days of execution of the PA and include a broader list of consulting parties, including the OIBC, in the AIS Plan development. The AIS Plan for construction Phase 4 shall be submitted to the SHPD within four months of execution of the PA. The AIS shall be completed prior to Final Design for construction of Phase 4. HART shall inform OIBC of the status of AIS and continue to meet regularly with the OIBC.	Project-wide	HART GEC Architectural Historian GEC Archaeologist	Complete prior to Final Design for each construction phase	Verify and document AIS plans are complete prior to Final Design for each construction phase. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe. Implementation of PA documented.

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HP08	HP08 Sec. 106 PA Stipulation III Edit from FAA ROD published in Federal Register May 26, 2011	If any of the AISs find Native Hawaiian burials or archaeological resources, HART shall follow the terms in the PA. Any finds on Airport property will be reported to HDOT-A and FAA to initiate data protection and NAGPRA required coordination.	Project-wide	HART GEC Architectural Historian GEC TCP specialist	Complete prior to Final Design for each construction phase	Verify and document proceeding in accordance with the protocol once it is approved by FTA. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP09	HP09 Sec. 106 PA Stipulation III.B.4	Following the procedures set forth in the PA, HART, in coordination with the OIBC, lineal and cultural descendants, Native Hawaiian Organizations, and other interested parties that are identified in discussion with OIBC, shall develop a protocol for consultation regarding the treatment of any <i>'iwi kupuna</i> identified during the AIS.	Project-wide	HART GEC Architectural Historian GEC Archaeologist	Draft protocol will be provided to OIBC for review within 6 months of the execution of the PA Protocol shall be completed prior to initiation of AIS for Phase 4	Verify and document proceeding in accordance with the protocol once it is approved by FTA. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD GEC TCP specialist	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP10	HP10 Sec. 106 PA Stipulation III.D	Following the procedures in the PA, HART shall develop and implement a specific treatment plan to avoid, minimize, or mitigate adverse effects on historic properties for each construction phase based on the results of AIS fieldwork and consultation with the SHPD.	Project-wide	HART GEC Architectural Historian GEC Archaeologist	Complete prior to Final Design for each construction phase	Verify and document treatment plans completed, approved by SHPD, and implemented, as required, for each construction phase. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD GEC TCP specialist	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP11	HP11 Sec. 106 PA Stipulation III.E	Following the procedures in the PA, subsequent to the archaeological fieldwork and development of the treatment plan, HART, in consultation with the SHPD, shall develop mitigation plans as appropriate. These plans may include an archaeological monitoring plan and monitoring reports, or a data recovery program.	Project-wide	HART GEC Architectural Historian GEC Archaeologist	Deadlines vary See PA for time frame commitments.	Verify and document mitigation plans completed and implemented prior to each construction phase. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD GEC TCP specialist	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP12	HP12 Sec. 106 PA Stipulation III.F	Following the procedures in the PA, HART will curate any recovered materials in accordance with applicable laws, such as HAR Chapter 13-278 and 36 C.F.R. 79.	Project-wide	HART GEC Architectural Historian GEC Archaeologist	Complete curation upon completion of archaeological fieldwork	Verify and document recovered materials are managed in accordance with federal and state regulations. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD GEC TCP specialist	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe. Recovered materials are managed in accordance with Federal and State regulations. Recovered archaeological materials may be incorporated into stations.

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HP13	HP13 Sec. 106 PA Stipulation IV	Following the procedures in the PA, HART shall develop standards for and maintain and update the Project's <i>Design Language Pattern Book</i> for use in all Project elements. This pattern book shall be available electronically and shall comply with the <i>Secretary of Interior's Standards for the Treatment of Historic Properties</i> for stations within the boundary or adjacent to an eligible or listed historic property.	Project-wide	HART GEC Architectural Historian GEC Archaeologist	Prior to Final Design	Verify and document that comments from the community and consulting parties are considered in Final Design. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP14	HP14 Sec. 106 PA Stipulation IV	For each phase of the Project, HART shall conduct a minimum of two neighborhood workshops on the design of the stations in that phase.	Project-wide	HART GEC Architectural Historian GEC Archaeologist	Prior to Final Design	Verify and document station design workshops, including notification and meeting notes. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP15	HP15 Sec. 106 PA Stipulation IV	Following the procedures set forth in the PA, HART shall provide the consulting parties with the Preliminary Engineering design plans for built components of the Project, provide an opportunity to comment on the design plans, and consider comments on those plans.  For stations within boundaries or directly adjacent to listed or eligible historic properties, HART shall also provide design plans during the Final Design phase to consulting parties and provide the opportunity for them to comments on design plans. HART shall consider comments on those plans.	Project-wide	HART	Distribute preliminary engineering plans prior to Final Design  For stations within or adjacent to historic properties, distribute prior to Final Design	Verify and document preliminary plans are distributed prior to Final Design. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD GEC TCP specialist	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP16	HP16 Sec. 106 PA Stipulation V.A	Following the procedures set forth in the PA, HART shall conduct historic context studies, in consultation with the consulting parties and the SHPD, related to historic themes in the Project area and distribute the resulting historic context reports as specified in the PA. HART shall distribute the historic context studies per the terms in the PA.	Project-wide	HART	Within 90 days of the execution of the PA, HART shall complete a draft study  Initial field work and photography shall be completed prior to construction commencement in that area	Verify and document context studies development and coordination. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.

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HP17	HP17 Sec. 106 PA Stipulation V.B	Following the procedures set forth in the PA, HART shall conduct cultural landscape studies related to historic landscapes in the Project area, in consultation with the consulting parties and the SHPD, and distribute the resulting cultural landscape historic reports as specified in the PA.	Project-wide	HART GEC Architectural Historian	Within 90 days of the execution of the PA, HART shall complete a draft study Initial field work and photography shall be completed prior to construction commencement in that area	Verify and document cultural landscape studies development and coordination meet PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP18	HP18 Sec. 106 PA Stipulation V.C	Following the procedures set forth in the PA, HART shall document certain historic properties specified by the National Park Service and located in the Project area for incorporation into the Historic American Building Survey, the Historic American Engineering Record, or the Historic American Landscape Survey, whichever is appropriate.	Section 3 Airport Contract	HART	HART shall ensure that final HHH documentation is completed for a property and accepted by NPS prior to commencement of activities that could impact the historic property and/or its integrity	Verify and document HABS development and coordination meet PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP19	HP19 Sec. 106 PA Stipulation V.D	Following the procedures set forth in the PA, HART shall complete archival photography to NRHP standards for all resources that received adverse effect determinations that are not subject to HHH documentation under Stipulation V.C. The SHPD will review this documentation upon completion.	Project-wide	HART	Complete prior to Final Design for each construction phase	Verify and document archival photography plan development and coordination meets PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP20	HP20 Sec. 106 PA Stipulation V.E	Following the procedures set forth in the PA, HART shall have digital photographs taken by a professional photographer, in conjunction with the input of a supervising architectural historian, to document select resources and viewsheds within the APE. Approximately 150 views will be submitted. These photographs will be submitted to the SHPD. HART will use these materials for items such as interpretive materials and publications.	Project-wide	HART GEC Architectural Historian	Complete prior to Final Design for each construction phase	Verify and document archival photography plan development and coordination meets PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP21	HP21 Sec. 106 PA Stipulation V.F	Following the procedures set forth in the PA, HART shall produce a comprehensive video of the Project corridor prior to construction commencement.	Project-wide	HART Professional Videographer	Prior to construction	Verify and document comprehensive video plan development and coordination meets PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.

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HP22	HP22 Sec. 106 PA Stipulation VI.A	Following the procedures set forth in the PA, HART shall complete a NRHP Multiple Property Documentation (MPD) for Modern/Recent Past historic properties dating from 1939-1979, and HART shall complete a single Multiple Property Submission (MPS), including all appropriate accompanying documentation. HART shall consult with consulting parties, the SHPD, and NPS in developing this documentation.	Project-wide	HART GEC Architectural Historian	Submit final NRHP forms prior to beginning revenue service operations for the Project	Verify and document MDP development and coordination meets PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP23	HP23 Sec. 106 PA Stipulation VI.B	Following the procedures set forth in the PA, HART shall update the nominations of Pearl Harbor and CINCPAQ to be designated as National Historic Landmarks.	Section 3 Airport Contract	HART GEC Architectural Historian	Submit final NRHP forms prior to beginning revenue service operations for the Project	Verify and document comprehensive video plan development and coordination meets PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe. Document completed NHL nominations update.
HP24	HP24 Sec. 106 PA Stipulation VI.C	Following the procedures set forth in the PA, HART shall produce or update the nominations to the National Register for the 31 historic properties adversely affected. In addition, HART shall prepare nomination documentation for the Little Makalapa Housing District.	Section 3 Airport Contract	HART GEC Historical Architect	HART shall complete nomination forms for Little Makalapa and Big Makalapa Housing Districts prior to the second Pearl Harbor design workshop The nomination forms for the remainder of the properties shall be submitted to the NPS prior to revenue service operation for the Project	Verify and document NRHP nomination forms for 31 of 33 affected properties and potential Little Makalapa Navy Housing District meet PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe. Document completed NRHP nomination forms.
HP25	HP25 Sec. 106 PA Stipulation VI.F	Following the procedures set forth in the PA, HART shall produce a searchable database of historic properties, in consultation with the SHPD, and provide it to an interested historic preservation or educational organization.	Project-wide	HART GEC Architectural Historian GEC Historical Architect	HART shall initiate database development prior to construction commencement and will update and maintain the database during the duration of the PA.	Verify and document development and maintenance of searchable database for the duration of the PA. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.

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HP26	HP26 Sec. 106 PA Stipulation VII.A	Following the procedures set forth in the PA, HART shall complete an interpretive plan for the Project area and install signage and distribute the educational materials and programs. HART shall submit drafts to consulting parties for review and comment per Stipulation VII.H.	Project-wide	HART GEC Historical Architect	HART shall complete prior to beginning revenue service operation of the Project	Verify and document preparation of educational and interpretive programs, materials, and signage meet PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe. Final educational and interpretive programs, materials, and signage meet PA stipulation.
HP27	HP27 Sec. 106 PA Stipulation VII.B	Following the procedures set forth in the PA, HART shall complete a color brochure describing the history of the area along the transit line, make 1,000 copies, and make available electronically. HART shall submit drafts to consulting parties for review and comment per Stipulation VII.H.	Project-wide	HART	HART shall complete prior to beginning revenue service operation of the Project	Verify and document dissemination of brochures meet PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP28	HP28 Sec. 106 PA Stipulation VII.C	Following the procedures set forth in the PA, HART shall prepare materials for children that would educate them about relevant local history. HART shall submit drafts to consulting parties for review and comment per Stipulation VII.H.	Project-wide	HART GEC Architectural Historian Professional Illustrator	HART shall complete prior to beginning revenue service operation of the Project	Verify and document dissemination of educational materials meet PA stipulation, including education materials included on Project website. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP29	HP29 Sec. 106 PA Stipulation VII.D	Following the procedures set forth in the PA, HART shall establish a Humanities Program that will explore human histories, cultures, and values. HART shall develop this program's goals in consultation with consulting parties. HART will provide \$100,000 to fund this program.	Project-wide	HART Architectural Historian	HART shall complete prior to beginning revenue service operation of the Project or when all designated funds are exhausted, whichever occurs later	Verify and document establishment of a Humanities Program with funding and subcommittees per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP30	HP30 Sec. 106 PA Stipulation VII.E	Following the procedures set forth in the PA, HART shall develop and implement an educational program and an effort designed to encourage the rehabilitation of historic properties in the Project area. HART shall submit drafts to consulting parties for review and comment per Stipulation VII.H.	Project-wide	HART GEC Architectural Historian	HART shall complete prior to beginning revenue service operation of the Project	Verify and document development and implementation of an educational effort program and preparation of a summary report per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.

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HP31	HP31 Sec. 106 PA Stipulation VII.F	Following the procedures set forth in the PA, HART will develop an educational field guide to historic properties and districts along the transit route. HART shall submit drafts to consulting parties for review and comment per Stipulation VII.H.	Project-wide	HART GEC Architectural Historian	HART shall complete prior to beginning revenue service operation of the Project	Verify and document development of a field guide per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP32	HP32 Sec. 106 PA Stipulation VII.G	Following the procedures set forth in the PA, HART shall invite consulting parties to a kick-off meeting to develop a work plan for all materials described in Stipulation VII.	Project-wide	HART GEC Architectural Historian	HART shall complete prior to beginning revenue service operation of the Project	Verify and document kick-off meeting plan for consulting parties per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP33	HP33 Sec. 106 PA Stipulation VIII.A	Following the procedures set forth in the PA, HART shall mark, store securely, and replace all lava rock curbstones.	Section 4 City Center Contract	HART GEC Architectural Historian GEC CRE	Construction	Verify and document plan for lava rock curbstones meets PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. City, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document construction closeout reports the handling and treatment of lava rock curbstones meets PA stipulation.	GEC EPD GEC ECM	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP34	HP34 Sec. 106 PA Stipulation VIII.B	Following the procedures set forth in the PA, HART shall maintain or replace the guardrails on the Kapālama Canal Bridge to match the historic appearance. HART shall consider the Secretary of the Interior's Standards for the Treatment of Historic Properties in developing draft plans to provide to SHPD for review per Stipulation IV.	Section 4 City Center Contract	HART GEC Architectural Historian GEC CRE	Prior to Final Design and during construction	Verify and document bridge rails are replaced per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document acceptance of Final Design and construction closeout meets PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP35	HP35 Sec. 106 PA Stipulation VIII.C	Following the procedures set forth in the PA, HART shall replace each true kamani tree in its original location or as close to it as possible.	Section 4 City Center Contract	HART GEC Architectural Historian GEC CRE GEC DM	Construction	Verify and document true kamani tree replacement plan per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document acceptance of Final Design and construction closeout meet PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.

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HP36	HP36 Sec. 106 PA Stipulation VIII.D	Following the procedures set forth in the PA, HART shall plan and implement improvements to historic parks adversely affected by the Project. Project funds in the sum of \$750,000 shall be budgeted for implementation of the parks improvement plan. HART shall invite consulting parties to a kickoff meeting to discuss the parks plan.	Project-wide	HART GEC Architectural Historian GEC CRE GEC DM	HART shall complete prior to beginning revenue service operation of the Project	Verify and document kick-off meeting, draft plan, and improvement plan for property owners and stakeholders per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document acceptance of Final Design and construction closeout meet PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP37	HP37 Sec. 106 PA Stipulation I. G and IX.A	Following the procedures set forth in the PA, HART shall create and staff a position for a qualified architectural historian whose primary responsibility will be to fulfill the requirements of the PA.	Project-wide	HART	Within 6 months of execution of the PA	Verify and document hiring of staff per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document hiring of staff meets PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP38	HP38 Sec. 106 PA Stipulation IX.B	Following the procedures set forth in the PA, HART shall establish a Historic Preservation Committee for the Project, specify its purpose and functions, and initiate its first meeting.	Project-wide Funding of HCP	HART GEC Architectural Historian	Within 3 months of execution of the PA	Verify and document HPC development per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document establishment of HPC meets PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP39	HP39 Sec. 106 PA Stipulation IX.C	Following the procedures set forth in the PA, HART shall report to the consulting parties on all applications for building demolition and on all City-generated construction projects within certain specified areas of the Project, and shall perform an analysis of the frequency of these activities from the recent past up to the present.	Project-wide	HART GEC Architectural Historian	Continuously until PA expires	Verify and document demolition permits per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document demolition completed in compliance with Federal and State laws per PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP40	HP40 Sec. 106 PA Stipulation IX	HART shall follow Stipulation IX.E for handling unanticipated cumulative adverse effects in the Chinatown and Merchant Street Historic Districts.	Section 4 City Center Contract	HART	Continuously until the PA expires	Verify and document coordination meetings, per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document acceptance of fulfilling PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.

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HP41	HP41 Sec. 106 PA Stipulation X	The Construction Mitigation Plan for the Project developed by HART shall include provisions for protecting historic properties from construction noise and vibration impacts, and shall be implemented by HART through the construction contracts, according to the procedures set forth in the PA.	Project-wide	HART GEC Architectural Historian	Prior to construction of each phase	Verify and document approval of CMP per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document approved CMP meets PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP42	HP42 Sec. 106 PA Stipulation X.C	Following the procedures set forth in the PA, HART will monitor Project construction to ensure measures in the CMP are implemented and shall provide a record of monitoring activities in progress reports pursuant to Stipulation XIV.E.	Project-wide	HART	Construction	Verify and document measures in CMP are implemented per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document monitoring activities in progress reports meet PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP43	HP43 Sec. 106 PA Stipulation X.D	Following the procedures set forth in the PA, HART shall monitor transit noise at the Pearl Harbor National Historic Landmark.	Section 3 Airport Contract	HART	Within 1 year of the start of revenue operation	Verify and document noise monitoring per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document results of the post-construction noise monitoring acceptance meet PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP44	HP44 Sec. 106 PA Stipulation XI	Following the procedures set forth in the PA, HART shall develop and conduct a training program for construction contractors and employees regarding appropriate sensitivity to historic resources.	Project-wide	HART GEC Architectural Historian CEC CRE	Prior to construction of each phase	Verify and document contractor training per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document PA stipulations in contracts and contractor Environmental Compliance Plans.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP45	HP45 Sec. 106 PA Stipulation XIII	Following the procedures set forth in the PA, HART shall write semi-annual progress reports detailing progress in implementing the PA and shall post those reports on the Project website.	Project-wide	HART GEC Architectural Historian	Semi-annually	Verify and document semi-annual progress reports are written and detail progress in implementing the PA per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document semi-annual progress reports are written and uploaded on to Project website.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.

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HP46	HP46 Sec. 106 PA Stipulation XIII	Following the procedures set forth in the PA, HART shall keep the public informed through semi-annual progress reports and will post them on the Project website.	Project-wide	HART GEC Public Involvement Manager	Continuously until the PA expires.	Verify and document updates are posted on Project website per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring. Verify and document reports are prepared and posted per PA stipulation.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.
HP47	HP47 Sec. 106 PA Stipulation XIV.E	Following the procedures set forth in the PA, HART shall provide all signatories to this PA a summary report detailing the work undertaken pursuant to its terms.	Project-wide	HART GEC Architectural Historian	Continuously until the PA expires (every 6-months)	Verify and document summary report delivered to signatories per PA stipulation. HART is responsible for the PA and all of its stipulations and will follow all applicable guidelines and regulations therein. HART, Kako'o, and GEC Architectural Historian will meet with and provide compliance documentation to the GEC EPD for monitoring.	GEC EPD	The GEC EPD verifies completion through review of the monthly reports on PA milestones, and coordination with GEC Architectural Historian and Kako'o. Document that activities and/or documents submitted are on or within PA timeframe.