

SECTION 2: SITE EVALUATION, ASSESSMENT, AND PLANNING

2.1 Project/Site Information

Project Name and Address	
Project/Site Name: Interstate Route H-1, Guardrail and Shoulder Improvements Project, Kapiolani Interchange to Ainakoa Avenue	
Project Street/Location: TMK 2-7-029, 2-7-030, 3-2-001, 3-2-007, 3-2-009, 3-2-010, 3-2-011, 3-2-012, 3-2-013, 3-2-014, 3-2-038, 3-2-039, 3-2-040, 3-2-041, 3-2-042, 3-2-043, 3-3-011, 3-3-012, 3-5-016, 3-5-017, 3-5-019, 3-5-023, 3-5-025, 3-5-044	
City: Honolulu	
State: HI	
ZIP Code: 96816	
County or Similar Subdivision: Honolulu County	
Project Latitude/Longitude	
Latitude:	Longitude:
21° 16' 46.23" N (degrees, minutes, seconds)	157° 47' 55.66" W (degrees, minutes, seconds)
Method for determining latitude/longitude: ESRI's ArcMap Geographic Information Systems (GIS) – Office of Planning, State of Hawai'i, GIS Program.	
<input type="checkbox"/> USGS topographic map (specify scale: _____) <input type="checkbox"/> EPA Web site <input checked="" type="checkbox"/> GPS	
<input type="checkbox"/> Other (please specify): _____	
Horizontal Reference Datum:	
<input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 or WGS 84 <input type="checkbox"/> Unknown	
If you used a U.S.G.S topographic map, what was the scale? N/A	
Additional Project Information	
Is the project/site located on Indian country lands, or located on a property of religious or cultural significance to an Indian tribe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, provide the name of the Indian tribe associated with the area of Indian country (including the name of Indian reservation if applicable), or if not in Indian country, provide the name of the Indian tribe associated with the property: N/A	
If you are conducting earth-disturbing activities in response to a public emergency, document the cause of the public emergency (<i>e.g., natural disaster, extreme flooding conditions</i>), information substantiating its occurrence (<i>e.g., state disaster declaration</i>), and a description of the construction necessary to reestablish effective public services: N/A	
Are you applying for permit coverage as a “federal operator” as defined in Appendix A of the 2012 CGP?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

2.2 Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Are there any surface waters that are located within 50 feet of your construction disturbances? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Table 1 – Names of Receiving Waters					
Name(s) of the first surface water that receives stormwater directly from your site and/or from the MS4 (note: multiple rows provided where your site has more than one point of discharge that flows to different surface waters)					
1. Manoa Stream 2. Kahala Stream 3. Waialae Stream					
Table 2 – Impaired Waters / TMDLs (Answer the following for each surface water listed in Table 1 above)					
	Is this surface water listed as “impaired”?	If you answered yes, then answer the following:			
		What pollutant(s) are causing the impairment?	Has a TMDL been completed?	Title of the TMDL document	Pollutant(s) for which there is a TMDL
1.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Primarily: Total Nitrogen, Nitrite/Nitrate, Total Phosphate, Turbidity, Dieldrin, and Chlorodane	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
2.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
3.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Describe the method(s) you used to determine whether or not your project/site discharges to an impaired water: 1: Identified nearby surface water resources through Office of Planning, State of Hawai‘i, GIS Program. 2: To complete Tables 2 and 3, we investigated the type of impairments listed in the “303(d) List” in the “2014 State of Hawaii Water Quality Monitoring and Assessment Report”					
Table 3 – Permission to Discharge into Drainage System					
1. Will discharge enter a drainage system before entering State Water?			2. Is the drainage system owner’s approval attached?		
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Owner Facility is the same as owner of the drainage system.					
Table 4 – Other Permits if Applicable (Appendix H - Permits)					
If applicable, is a copy of the county-approved grading permit attached?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO County-approved grading permit is not required for repair and maintenance work on the H-1.			
If applicable, is a copy of the department of the army permit and Section 401 water quality certification attached?		<input type="checkbox"/> YES <input type="checkbox"/> NO			
Other applicable permits attached?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

2.3 Nature of the Construction Activity

<p>General Description of Project</p> <p>Provide a general description of the construction project:</p> <p>The applicant, State of Hawaii, Department of Transportation is proposing to upgrade and improve guardrails and shoulders along the Interstate Route H-1 between Kapiolani Interchange and Ainakoa Avenue, Milepost no. 25 and no. 27 in order to meet current roadway design requirements to satisfy the FHWA mandate to comply with requirements set forth by the National Cooperative Highway Research Program's Report 350. Improvements to the guardrails and shoulders include the following:</p> <ol style="list-style-type: none"> 1. Guardrail replacements and improvements; 2. Replacement of thrie beams over select catch basins; 3. Connection of new thrie beams to existing guardrails and end posts; 4. Relocation of existing light poles from the shoulder to the median and repair of associated retaining walls; 5. Associated electrical connections to the new street lights and traffic signal; 6. Addition of a crash attenuator to the gore area at Waialae Avenue Off-ramp; 7. Improvements to retaining walls; 8. Addition of a bike lane and replacement of traffic signal at the Ainakoa Avenue Intersection; 9. Modifications to medians for new street lighting foundations; 10. Restriping; 11. Upgrades to bridge, wing wall, and retaining wall railings; 12. Upgrades to guardrail end posts; 13. Additions and improvements to concrete walls and barriers; and 14. Reconstruction of selected existing curbs.
<p>Size of Construction Project</p> <p>What is the size of the property (in acres), the total area expected to be disturbed by the construction activities (in acres), and the maximum area expected to be disturbed at any one time?</p> <p>Total project area Including areas to be left undisturbed: 51.1 acres Construction site area to be disturbed including storage and staging areas: 5.4 acres Impervious area before construction: 5.3 acres Impervious area after construction: 5.3 acres Maximum area of disturbance at one time will be determined at a later date and submitted to DOH 30 days prior to start of construction.</p>
<p>Construction Support Activities (only provide if applicable)</p> <p>Describe any construction support activities for the project (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas)</p> <p>DESCRIPTION OF CONSTRUCTION SUPPORT ACTIVITY: Equipment staging and storage area will be within or near the construction site area.</p> <p>CONTACT INFORMATION FOR CONSTRUCTION SUPPORT ACTIVITY (Name, Telephone No., Email Address): To be determined; will submit information to DOH 30 days prior to the start of construction.</p> <p>LOCATION INFORMATION FOR CONSTRUCTION SUPPORT ACTIVITY (Address and/or Latitude/Longitude) : Potential Equipment staging and storage areas are identified on construction drawings.</p> <p><u>See Appendix A – Figures & Drawings</u></p>

2.4 Sequence and Estimated Dates of Construction Activities

Instructions:

- Describe the intended construction sequence and timing of major activities.

* TBD by General Contractor - will submit to DOH 30 days before the start of construction.

Project Schedule			
	Major Construction Activity	Start Date	End Date
1	General Contractor Mobilization	*	*
2	Installation of Best Management Practices (BMPs)/Erosion Control Measures	*	*
3	Guardrail and Shoulder Improvements	*	*
4	Ainakoa Avenue Intersection Improvements	*	*
5	Removal of Construction BMPs	*	*
6	General Contractor Demobilization	*	*
7	Notice of Cessation	*	*

2.5 Site Maps

Instructions:

- Attach site maps in Appendix A. For most projects, a series of site maps is necessary and recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or, for more complicated sites, show the major phases of development.

These maps must include the following features:

- Boundaries of the property and of the locations where construction will occur, including:
 - ✓ Locations where earth-disturbing activities will occur, noting any phasing of construction activities;
 - ✓ Approximate slopes before and after major grading activities. Note areas of steep slopes, as defined in Appendix A;
 - ✓ Locations where sediment, soil, or other construction materials will be stockpiled;
 - ✓ Locations of any crossings of surface waters;
 - ✓ Designated points on the site where vehicles will exit onto paved roads;
 - ✓ Locations of structures and other impervious surfaces upon completion of construction; and
 - ✓ Locations of construction support activity areas covered by this permit.
- Locations of all surface waters, including wetlands, that exists on or near your site.
- The boundary lines of any natural buffer areas.
- Topography of the site, existing vegetative cover (e.g., forest, pasture, pavement, structures), and drainage pattern(s) of stormwater and allowable non-stormwater flow onto, over, and from the site property before and after major grading activities.
- Stormwater and allowable non-stormwater discharge locations, including:
 - ✓ Locations of any storm drain inlets on the site and in the immediate vicinity of the site; and
 - ✓ Locations where stormwater or allowable non-stormwater will be discharged to surface waters (including wetlands).
- Locations of all potential pollutant-generating activities.
- Locations of stormwater control measures.
- Locations where polymers, flocculants, or other treatment chemicals will be used and stored.

Attachment A Figures & Drawings
Table of Contents
Attachment A-1: Figures <ul style="list-style-type: none">• Figure 1 - Project Location• Figure 2 - Discharge Points into State Waters• Figure 3 - Soil Classification• Figure 4 – FEMA-FIRM Flood Zones
Attachment A-2: Construction Drawings
See Appendix A – Figures & Drawings