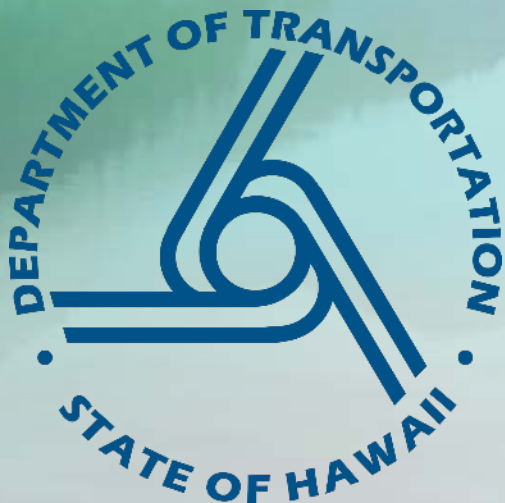


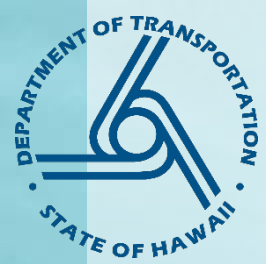
Inspection with a DOT Third Party Inspector



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Speaker

Claudia Akroyd, CHST, CISEC

BOWERS + KUBOTA CONSULTING

Project Inspector

Responsible for conducting independent inspections of DOT-HWYS Contract Construction projects in accordance with DOT-HWYS National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit on Oahu



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Who is an Independent Inspector?

- Inspection conducted by a qualified construction inspector
- Inspector is not involved in the day-to-day planning, design, or implementation of the construction project



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Frequency of Inspections

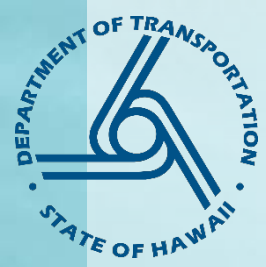
- Inspect construction projects at least monthly
- Criteria for reduced frequency of inspections
- Some projects may not be considered for reduced frequency due to size and/or complexity



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Reduced Frequency of Inspections

- **Three (3) successive monthly inspections with:**
 - Zero (0) critical or major deficiencies;
 - Less than six (6) minor deficiencies; and
 - Less than three (3) minor deficiencies in one (1) month
- **If all of the above is satisfied, inspections reduced to quarterly.**
- **Immediately returns to monthly inspections if:**
 - At least one (1) critical or major deficiency OR
 - or a total of three (3) or more minor deficiencies
- **May be inspected prior to quarterly if:**
 - A significant new element of work is started OR
 - A new site is opened for construction



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Types of Deficiencies

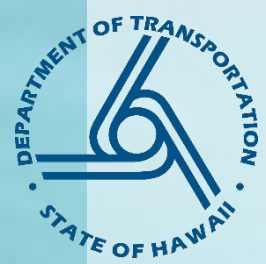
- **Critical Deficiency** – Shall be corrected or addressed before the close of business on the day of the inspection in which the deficiency is identified.
- **Major Deficiency** – Shall be corrected or addressed as soon as possible, but in no event later than five (5) calendar days after the inspection in which the deficiency is identified or before the next forecasted rain.
- **Minor Deficiency** - Shall be corrected or addressed as soon as possible, but in no event later than five (5) calendar days after the inspection in which the deficiency is identified or before the next forecasted rain.



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BMP General Facts

- BMPs must be installed per SWPPP prior to construction
- Ground disturbance is limited to that which is needed only for the installation of the BMP
- Installation must be inspected by DOT and prior to any element of construction begins – Pre-Construction Verification Inspection
- If BMP installation is phased it must be outlined in the SWPPP
- BMPs must be installed per Manufacturer’s specification
- Can use commercially available BMPs provided they are appropriate for the situation and installed per Manufacturer’s specifications
- Provide for layered effect – Inlet protection last line of defense not only



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Addition/Removal of BMPs

- Need to add something to maintain compliance? Add and amend the SWPPP.
- Want to make an elective change of a BMP to other type? Get an approved amendment then make the switch if not already covered by the SWPPP.
- Want to remove a BMP? Get an approved amendment prior to removal unless already covered in the SWPPP. Removal must be approved by DOT personnel prior to removal.
- Build in flexibility in the SWPPP for the choices of BMPs to allow the BMP to fit the situation.



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BMP Inspection Steps

- Read the SWPPP and any/all Permits and Amendments
- Meet with DOT Project Staff for project briefing/clarification
- Check on site documents – First visit I will check the Pre-Construction Verification Inspection Report
- Meet with Contractor should the DOT Project Staff desire
- Walk the site looking at BMP placement and topography (with DOT/Project staff if available)
- Take pictures of both good and bad
- Out brief Project Staff if available
- Write up and transmit inspection report



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Areas Requiring Inspection

- All areas that have been cleared, graded, or excavated (Disturbed Areas)
- All storm water controls, installed and maintained on site to comply with permit
- Areas where sediment and other pollutants may have accumulated or deposited
- Areas where storm water typically flows
- All points of discharge from the site – even if not raining
- All locations where stabilization measures have been initiated
- Best time to inspect is when it is raining



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Disturbed Areas per HAR 11-55

- Penetration, turning, or moving of soil
- Resurfacing or pavement exposing base course, bare soil or ground surface
- Land surface for construction roads
- Baseyards
- Staging Areas
- Demolition
- Headquarters
- Parking Areas



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Inspection Strategy

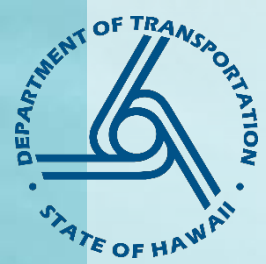
- Be upbeat
- Have an inspection strategy
- Document the inspection – take pictures and notes
- Don't argue with DOH
- Problems – talk to them – they may have an easy fix
- Be up front and honest
- Don't make excuses
- Correct as soon as possible
- Document corrections - Take pictures of correction
- Don't tell them what you think they want to hear



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START VIDEO



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