



July 07, 2020

Ryan Whittington  
Pennsylvania Department of Transportation  
Engineering District 06  
7000 Geerdes Blvd.  
King of Prussia, PA 19406

**Re:** Application Deficiency  
**Project:** Hdquarters Rd/Tinicum Cr 1247  
**KEES Application #:** 11521  
**AUTH ID:** 1315054, **APS ID:** 1016795, **DEP Permit #:** E0901120-026  
Tinicum Township  
Bucks County

Dear Ryan Whittington,

The Department of Environmental Protection (DEP) has reviewed the above referenced application package and has identified the following significant technical deficiencies. The deficiencies are based on applicable laws and regulations, and the guidance sets forth DEP's preferred means of satisfying the applicable regulatory requirements.

You may request a time extension, in writing, before 09/05/2020 to respond to deficiencies beyond the sixty (60) calendar days. Requests for time extensions will be reviewed by DEP and considered. You will be notified in writing of the decision either to grant or deny, including a specific due date to respond if the extension is granted. Time extensions shall be in accordance with 25 Pa. Code §105.13a(b).

Pursuant to 25 Pa. Code §105.13a of DEP's Chapter 105 Rules and Regulations you must submit a response fully addressing each of the significant technical deficiencies set forth below. Please note that this information must be received within sixty (60) calendar days from the date of this letter, on or before 09/05/2020, including any applicable extension, or DEP may consider the application to be withdrawn by the applicant. If you believe that any of the stated deficiencies is not significant, instead of submitting a response to that deficiency, you have the option of asking DEP to make a decision based on the information with regard to the subject matter of that deficiency that you have already made available. If you choose this option with regard to any deficiency, you should explain and justify how your current submission satisfies that deficiency. Please keep in mind that if you fail to respond, your application may be withdrawn or denied.

Should you have any questions regarding the identified deficiencies, please contact Paul Suanlarm at 484-250-5168  to discuss your concerns or to schedule a meeting. The meeting must be scheduled within the sixty (60) calendar day period allotted for your reply, unless otherwise extended by DEP.

Sincerely,  
Ranjana C Sharp, P.E.  
Waterways & Wetlands Program

**Application Deficiencies**

1. Please provide an alternative location for the rip rap apron at the stormwater outlet in the SE quadrant as at oriented at 90 degrees to the discharge flow. The GP and E plan states that it is an R-4 rock apron but the mitigation plan states it will be a level spreader. Please provide details of this outlet.
2. Please provide a location within the application for the discussion of pier removal and depth of removal proposed for this project. Indicate on the plans the type of fill to be placed within the footprint of the removed pier adjacent east abutment.
3. PennDOT is subject to 100-year floodplain review. Please include any impacts that may result of construction within the 100-year floodplain. Quantities may included within the narrative and includes, but not limited to grade changes, riprap, etc. Floodplain language is required to be included within the final permit.
4. E&S plans indicate a proposed 14-inch by 23-inch outfall with riprap discharging to the SW quadrant of the bridge along the approach. It is unclear whether it is a full replacement of 24-inch RCP pipe. If its not a full replacement and considered new, the 14-inch by 23-inch outfall and riprap that is within the 100-year floodplain should be included permanent impact to the floodplain. Also should be included within the project narrative under any floodplain impacts.
5. If the 18-inch outfall in the SE quadrant is a new proposed outfall (not a replacement), please include as a sub-facility.
6. Plans included within the H&H report includes an 18-inch pipe run with outfall on the western approach to abutment, but cannot be located on other plan sets provided within the application. Please ensure that all plans are consistent.
7. Please provide an any updated correspondence/clearance from National Parks Service, following the May 21, 2020 email, on the project's compliance with the Wild and Scenic River Act.
8. Permanent impact on the ARIT is defined as areas affected by a water obstruction or encroachment that consist of both direct and indirect impacts that result from the placement or construction of a water obstruction or encroachment and include areas necessary for the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water. Please include the bridge itself over Tinicum Creek as a permanent watercourse impact and revise all necessary documents.