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STATE CLEARINGHOUSE

From: Zachariasen, Judith@DOC <Judith.Zachariasen@conservation.ca.gov>

Sent: Thursday, February 1, 2024 6:11 PM

To: Willow Slough ED@DOT <Willow.Slough.ED@dot.ca.gov>

Cc: OLRA@DOC <OLRA@conservation.ca.gov>; OPR State Clearinghouse <State.Clearinghouse@opr.ca.gov>

Subject: Willow Slough Bridge Replacement Project - SCH No. 2024010128

Dear Veronica Wilson,

The California Geological Survey (CGS) has received the Initial Study with Proposed Negative Declaration (IS/ND) for the Willow Slough Bridge Replacement Project. This email conveys the following recommendations from CGS concerning geologic issues related to the project area:

1. Liquefaction Hazards

In the Geology and Soils Section 2.7, the IS/ND states that there is no impact related to liquefaction or unstable soil and that the project location is not located in a liquefaction hazard zone. I am writing to clarify that CGS has not yet evaluated the area in and around the project location for liquefaction or earthquake-induced landslide hazard zoning, so the lack of a hazard zone does not indicate a determination that there is no liquefaction hazard. CGS suggests that the project documents should clarify that the project area has not been evaluated by CGS for liquefaction hazard. Further, given the geologic setting, which appears to include Holocene alluvial deposits and potentially shallow groundwater, conditions that can give rise to liquefaction hazard, the project should independently address this hazard as it relates to the design of the proposed structures.

If you have any additional comments or questions, please feel free to call or email.

Thank you,
Judy Zachariasen



Judith Zachariasen, PhD, PG, CEG

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