

138 kV Stewart-West Bay Project Need

➤ Resiliency:

- All 189 structures within this hardening project carry double 138KV transmission circuit and 1 distribution circuit underbuilt
- This line is the only feed into West Bay substation and would impact the entire west side of Galveston Island in the event a failure takes place
- Concern around current span lengths in between transmission structures posing possible wind challenges, this project will mitigate this concern
- Wooden poles cause heightened concern of reliability challenges due to the longevity of wooden poles in coastal regions

➤ Right-of-Way:

- Proposed rebuild of the double circuit along San Luis Pass Rd will be partially in TXDOT ROW and partially overhanging private property
- Proposed poles are wider in diameter and are being relocated

