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This is a request to modify the 15-year Collier County beach nourishment permits (USACE Permit No. SAJ-2003-12405 and FDEP Permit No. 0331817-001-JC) to incorporate the Clam Pass Park fill template (which is authorized under the Clam Pass Maintenance Dredging permits, USACE Permit No. SAJ-1996-02789 and FDEP Permit No. 0296087-001-JC). The current 15-year beach nourishment permits include nourishment of 8.7 miles of Collier County beaches at Vanderbilt Beach (R-22+300 to R-37), Park Shore (R-43+500 to R-54+400) and Naples (Doctors Pass to R-79) using sand from offshore Borrow Area T1, upland sand sources and the Doctor's Pass Dredging Complex. The proposed permit modification would extend the Park Shore northern reach limit by 1,535 ft. from R-43+500 to R-42 to include Clam Pass Park, for a new total project length of 9 miles. The project will incorporate the permitted Clam Pass Park fill area, and does not propose any changes to the authorized fill template. The only component of this permit modification request which has not yet been authorized is the placement of upland sand or offshore borrow area sand on this section of the Clam Pass Park shoreline (R-42 to R-43+500). The sand sources proposed for nourishing Clam Pass Park have been approved for use throughout the County under the existing 15-year permits and no adverse impacts are expected. The upland and offshore sand sources are compatible with the existing sand in Clam Pass Park.

Currently, Clam Pass Park can be nourished under Clam Pass Maintenance Dredging permits (USACE Permit No. SAJ-1996-02789 and FDEP Permit No. 0296087-001-JC), which authorize the periodic maintenance dredging of Clam Pass with placement of dredged material either north or south of the pass. However, the County would like to also include the Clam Pass Park shoreline into their 15-year beach nourishment permits to allow nourishment from offshore Borrow Area T1 or upland sand mines. Incorporating Clam Pass Park into the larger County beach nourishment program will provide greater flexibility to manage the County shoreline on a regional scale. Right now this area could only be nourished if/when Clam Pass is in need of maintenance dredging, which does not fully address the needs of the eroding shoreline at Clam Pass Park.

Preliminary design calculations indicate that Clam Pass Park is currently in need of approximately 42,000 cy to bring it up to the 3-year design standard. The maximum volume to be dredged from Clam Pass, and potentially placed on the shoreline, during any maintenance event is 22,800 cy. The County is seeking the ability to supplement the material coming out of the Pass to maintain the eroding shoreline at Clam Pass Park. There is a littoral deficit created by the Pass, and placing sand at Clam Pass Park will improve the stability of the Park Shore segment by preventing the deficit from migrating south and could improve the longevity of projects and result in overall cost savings.

The proposed permit modification will combine the two authorized Clam Pass Park fill templates: the template authorized under the Clam Pass Maintenance Dredging permits (USACE Permit No. SAJ-1996-02789 and FDEP Permit No. 0296087-003-JN) will be used between R-42 and R-43+500, the template already authorized under the 15-year permits (USACE Permit No.

SAJ-2003-12405 and FDEP Permit No. 0331817-001-JC) will still apply at R-44. A transition between these two templates will occur at R-43+500. Since this permit modification does not modify the authorized fill templates in Clam Pass Park, the previously approved equilibrium toe of fill (ETOF) will remain the same; therefore, no additional hardbottom impacts are anticipated and no additional monitoring is required.