



EXECUTIVE SUMMARY

RENEWAL/REPLACEMENT PROGRAM ASSESSMENT STUDY STRUCTURAL ELEMENTS

WGI (structural) was retained October, 2015 to review from a structural perspective the various projects and assets listed in the **Infrastructure Sales Tax Capital Projects List** and to pass professional opinion and judgment as to the overall validity of those projects and the process by which they come to be identified.

The scope of services included: 1) meeting with PBC Department /Division Directors responsible for the renewal/replacement (R/R) recommendations and discuss the Departments routine maintenance and condition assessment process; 2) reviewing their program protocol and reports to learn the specific process utilized to identify risk potential; 3) examining their method of prioritizing (R/R) projects based on the available funding; and 4) field verifying that the Department is appropriately applying the maintenance and condition assessment process in the field based on a random sampling of the projects listed in the (R/R) recommendations list.

The study included review of maintenance history and condition assessment reports and any other studies available for the assets listed in the (R/R) recommendations to determine whether:

1. the condition assessment is accurate;
2. the correct risk category has been applied; and
3. the department has considered combining projects to minimize costs of procurement or separating projects to minimize operational impacts.

Based on our observations and review of the available reports our report documents the following conclusions:

1. the thoroughness of the departments routine maintenance and condition assessment process;
2. the application of the maintenance and assessment process by the field personnel and the validity of their assignment of risk;
3. the validity of that process according to a working draft of an **Infrastructure Sales Tax Capital Projects List** and (R/R) schedule; and
4. recap beat practices of the various departments (R/R) programs.

Based on my review of the reports, County assessments and interviews with staff, it appears as a general statement the County has implemented systems, practices and protocols to identify life safety issues and maintenance issues and reasonable replacement schedules for the infrastructure reviewed. The Departments have implemented regular maintenance on the infrastructure we inspected and it appears the maintenance has not been neglected or ignored.

During the review process it became clear that structural components of some of the infrastructure around the County has reached their functional life and in some cases closure of the structure is the only option. The closures result in reduced services to the County residents and potential life safety concerns such as unsafe roadway embankments, detours around bridges due to emergency repairs and fewer lifeguard towers at beaches.

Our findings concluded that the condition assessments of the facilities were accurate, the proper risk assessments have been applied and combining or separating projects into phases was considered in the renewal/ replacement recommendations. In WGI's opinion the structural items reviewed on the **Infrastructure Sales Tax Capital Projects List** identified valid needs for **Renewal/Replacement** that should not be deferred.



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