

Resolution # 21

**RESOLUTION OF THE GLEN COVE COMMUNITY DEVELOPMENT AGENCY  
AUTHORIZING THE EXECUTIVE DIRECTOR TO ACCEPT PROPOSAL FROM L.K.  
MCLEAN ASSOCIATES (LKMA) FOR ENGINEERING SERVICES ASSOCIATED WITH  
THE CONDITIONS ASSESSMENT OF THE PRYIBIL BEACH PIER**

**WHEREAS** the Glen Cove Community Development Agency (GC-CDA) was granted funding through the Community Development Block Grant for engineering services associated with the conditions assessment of the Pryibil Beach Pier.

**WHEREAS** LKMA is on the City of Glen Cove on-call list for qualified engineering firms and the methodology used by the City was found to be acceptable by Nassau County for procurement process. LKMA conducted a conditions assessment of the Pryibil Beach Pier in 2015 which makes them most qualified to conduct a current conditions assessment.

**WHEREAS** the Director of Public Works for the City of Glen Cove reviewed the proposal received from LKMA in the amount of \$32,000.00 and found is to be cost-effective and recommends implementation of same.

**RESOLVED**, the Executive Director shall be authorized to engage the services of LKMA for engineering services associated with the conditions assessment of the Pryibil Beach Pier at a cost of up to \$32,000.00 as per the attached proposal with funding from the Community Development Block Grant 46<sup>th</sup> program year.

The question of adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	<u>VOTING</u>
Timothy Tenke, Chairman	AYE
Vincent Hartley, Vice Chairman	AYE
<i>Anthony Guagenti</i>	<i>Absent</i>
<i>Anthony Jimenez</i>	<i>Absent</i>
Francine Koehler	AYE
Rev. Roger Williams	AYE
Danielle Willis	AYE

The foregoing resolution was thereupon declared duly adopted.

GD A CB  
**ENTERED**  
11-10-2020



Associates

RAYMOND G. DIBIASE, P.E., PTOE, PTP, PRESIDENT and CEO  
ROBERT A. STEELE, P.E., EXECUTIVE VICE PRESIDENT

CHRISTOPHER F. DWYER  
JAMES L. DeKONING, P.E.  
STEVEN W. EISENBERG, P.E.  
ANDREW B. SPEISER  
MATTHEW C. JEDLICKA, LEED AP  
KEITH J. MASSERIA, P.E.  
VINCENT A. CORRADO, P.E.

November 13, 2020

Glen Cove Community Development Agency  
City of Glen Cove  
Department of Public Works  
9 Glen Street  
Glen Cove, New York 11542

Att: Ann S. Fangmann, AICP – Executive Director

**Re: Proposal for Engineering Services Associated with the Conditions Assessment of the  
Pryibil Beach Pier**

Dear Ms. Fangmann,

This letter proposal describes our project understanding and the scope of work required to prepare an updated conditions assessment on the Pryibil Beach Pier. As you are aware, LKMA previously prepared a conditions assessment on the pier in 2015, which identified repairs with associated construction costs. We understand that the main goal of the updated Conditions Assessment will be to identify the deficiencies in both the 300' long steel sheet fill pier and the 300' long timber pile supported open pier. Additionally, we understand the City desires our report to make recommendations as to: 1) whether or not the pier should be closed to the public until repairs can be made; 2) whether or not the pier can be repaired or if a complete reconstruction is warranted. Engineer's estimates for the construction costs of repair and replacement will be prepared and included in the report so the City can make an informed decision on the course of action for the Pryibil Beach Pier.

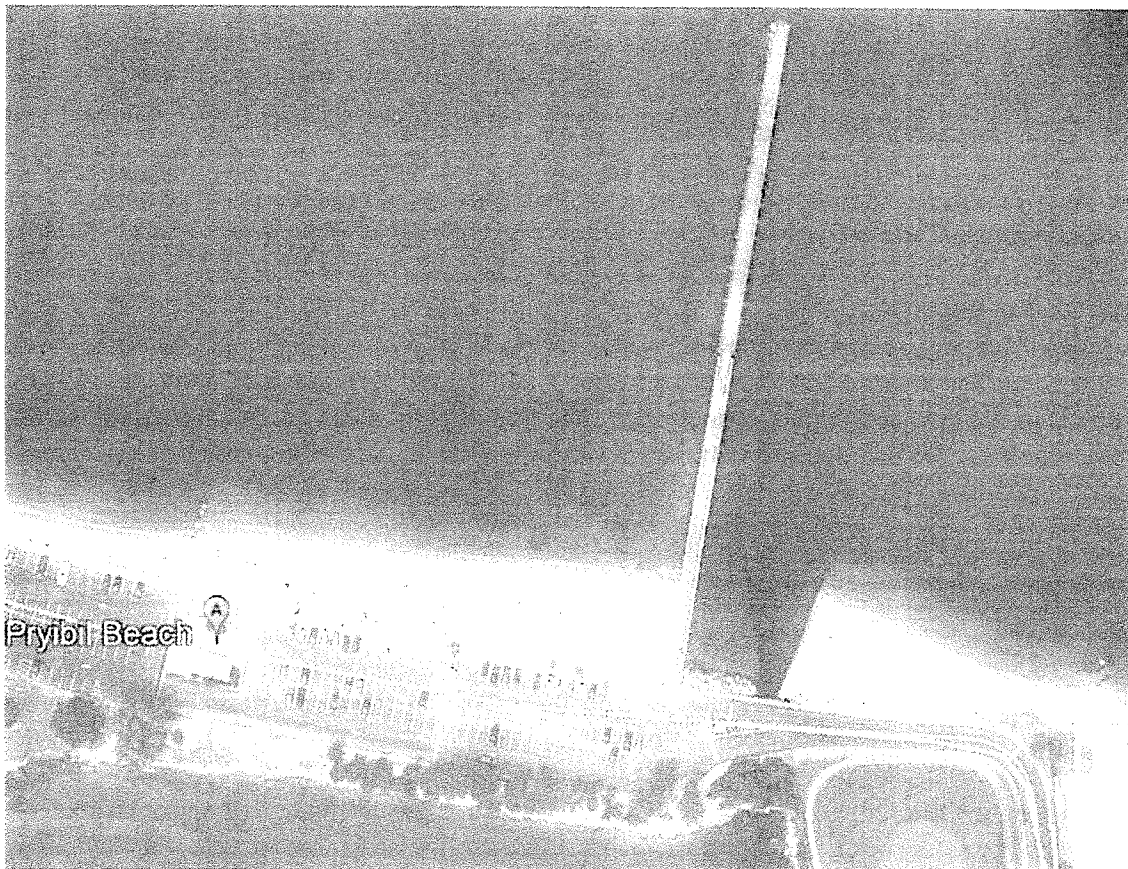
We appreciate the opportunity to provide this proposal and look forward to working with you if you choose to select our firm for this work. LKMA is highly experienced at preparing condition assessments and final design contract documents for piers, breakwaters, bulkhead and marinas and has notably completed a very similar project located in the Town of Southampton called the Rehabilitation of the Old Ponquogue Bridge. Additionally, we have recently completed conditions assessments for 15 Town of Islip Marina facilities. Attached are relevant Project Information Sheets for your information with contact information. Please feel free to contact any of our client references listed.

Very truly yours,

L.K. McLean Associates, P.C.  
Keith J. Masseria, PE  
Associate

**I. PROJECT UNDERSTANDING & SCOPE OF WORK****Project Understanding**

We understand that the City desires to hire an engineering firm to prepare an updated conditions assessment on the Pryibil Beach Pier in order to determine whether or not the pier is safe for public use and the most prudent course of action with regard to the repair or replacement of the facility. We are aware that the City will need up to date engineering estimates for the repair or replacement of the pier, which will be critical to the process of moving forward with a future capital project to rehabilitate the facility.



*Pryibil Beach Pier – 300' steel sheet fill pier and 300' open pile supported pier*

The following is our proposed scope of work:

### Scope of Work

#### Task A. Diver Assisted Engineering Inspections

In order to assess the condition of the existing steel sheeting and timber pile supported open pier, LKMA will subcontract with a certified diver qualified and experienced at performing in-water inspection services (East End Dive Services). The diver and LKMA engineers will coordinate their efforts to document the condition of all pier components in an inspection report that includes:

- Timber Pier Piles: The diver will perform inspections in accordance with the FHWA Underwater Bridge Inspection Manual (FHWA-NHI-10-027). Using this procedure, three levels of pile inspection will be performed as follows:
  - Level I: Visual, tactile inspection of all piles. This is often referred to as a “swim by” inspection and will involve a close visual examination of all the piles on the pier to detect obvious damage or deterioration. Probing of the wood and measurements of each piles circumference will be made and recorded.
  - Level II: Detailed underwater inspection of approximately 10% of the piles will be performed by cleaning marine growth off portions of the piles located at three locations including: 1) low waterline elevation 2) near mudline 3) midway between low waterline and mudline.
  - Level III: At a handful of locations determined by LKMA, the diver will collect corings of the existing pile so that the level of interior deterioration, usually caused by shipworms, can be identified. The purpose of this is to detect hidden or interior damage that could make rehabilitation of the existing structure impossible.
- Cross Bracing: wood condition; hardware condition
- Girders: wood condition; hardware condition
- Deck Superstructure: Stringer and Decking Condition; Compliance with ADA Code.
- Railing Condition and Compliance with ADA Code.
- Steel Sheeting: Diver will perform an underwater inspection of the steel sheeting and make visible observations of holes, pitting or failures. Additionally, the diver will take measurements of the remaining steel thickness using a Cygnus Ultrasonic Thickness Gauge, which can be helpful at determining the remaining service life of the sheeting.

Upon completion or possibly during our field investigations, if it becomes apparent that the pier should be closed to the public because of safety reasons, LKMA will immediately notify the City's DPW Director.



**Task B. Preparation of Conditions Assessment Report**

Utilizing the information documented in the inspection report, LKMA will summarize the findings regarding the existing conditions of the fill pier and open pile supported pier. LKMA will prepare Engineer's Estimates for both the repair and full replacement in-kind of the existing structure. A recommended course of action based on a benefit vs. cost analysis for repair and replacement will be prepared for the City's consideration.

**Proposed Fee**

**Task A: Diver Assisted Engineering Inspections – Total Fee \$18,800**

Broken Down as follows:

- A1 - Diver Sub-Contractor = \$11,850
- A2 - LKMA sub-contractor oversight and coordination = \$1,900
- A3 - LKMA closure determination = \$2,300
- A4 - Meetings with City of Glen Cove = \$2,750

**Task B – Preparation of Conditions Assessment Report – Total Fee \$13,200**

Broken Down as follows:

- B1 - Draft Report = \$5,200
- B2 - Final Report = \$8,000

If you are in agreement with this proposal, kindly sign one copy of the proposal and return it to our office. This will constitute your authorization for LKMA to begin the work.

Approval:

Date:

\_\_\_\_\_  
for City of Glen Cove Representative

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