



ISO 9001:2015 CERTIFIED

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

6500 N. Andrews Avenue • Fort Lauderdale, FL 33309 • Phone 954-776-1616

# 119800

304-4105-581000-0000

CHANGE ORDER #1

November 23, 2020

Mr. Frank Knott  
Project Manager  
Public Works Department  
121 SW Port St. Lucie, Florida  
34984

RE: 24-Hour Sound Monitoring along Crosstown Parkway  
Between Manth Lane & the Crosstown Bridge

The following is KCI Technology's scope and price proposal to conduct 24-hour monitoring in follow-up to the "*Crosstown Parkway Short-Term Noise Monitoring Study*". The focus of the 24-hour monitoring is to address noise inquiries received from residences adjacent to Crosstown Parkway between Manth Lane to the west and the Crosstown Bridge to the east. Per our discussion, we will conduct eight (*concurrent*) continuous 24-Hour noise monitoring sessions between 5:00 pm Thursday and 7:00 am Monday morning on a weekend to be determined by the City. These receptors were also included in the Short-Term Monitoring Study. The following are descriptions of the receptors/residences to be monitored;

- **NR 14** – This residence is located in a good location to capture noise at the Crosstown Parkway/Floresta Drive intersection. The resident is advocating a 24-hour study and committed to helping in any way.
- **NR 15** – NR 15 recorded the loudest short-term noise level (*64.8 dBA Leq*). The resident was also concerned about noise in the morning hours so it would be nice to have both evening and early morning data.
- **NR 16** – The residence's lanai is closely situated to the sound berm and yielded a 62.6 dBA Leq. NR 16 could also be representative of NR 17 and NR 18 (*2<sup>nd</sup> row receptor*).
- **NR 19** – NR 19 would capture noise levels from WB Crosstown Parkway travelling downgrade from the Crosstown Parkway Bridge and braking at the EB to WB Floresta Drive signalized U-turn.

Employee-Owned Since 1988

RISE TO THE CHALLENGE

WWW.KCI.COM

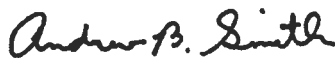
- **SR 34** – SR 34 could also be representative of NR 33. A motorcycle passed by immediately following our 30-minute PM peak hour short-term sampling period and interrupted our conversation. Would like to see how many times that type of event may occur during evening hours. The Receptor 33 resident had a dog which might be challenging to keep out of the backyard for an entire weekend.
- **NR 13 & SR 35** – Several residences described drag racing during the evening and early morning hours. These may be two locations where this could be captured and on opposite sides of Crosstown Parkway.
- **Receptor NR 36** – Captures vehicles accelerating upgrade to cross the bridge.

KCI will post-process the collected data and present its findings in a “Draft” and “Final” Memorandum similar to the Short-Term Monitoring Study. Monitoring will be conducted using Larson Davis 831C noise meters. As directed, time is also included to present study results at a City Council meeting. It is assumed that the City will want to reach out to the residences to let them know that the 24-hour study is being conducted. KCI can do this if the City prefers. Below are KCI’s proposed costs to conduct the study;

- Conduct 24-Hour Monitoring and prepare “Draft” and “Final” Memorandum for data collected at Receptors NR 13, NR 14, NR 15, NR 16, NR 19, SR 34, SR 35 and SR 36 (8 sites total) - \$32,850.00.
- Attend/Present and prepare materials for a City Council Meeting - \$6,600.00

The total price for these services is \$39,450.00. Please let me know if you have any questions and thanks for the opportunity to submit this scope and price proposal!!

Sincerely



Andrew B. Smith  
Vice President, NEPA

Cc; Bryan Wilson, PE  
Dana Knight, PE