

Subject: CCSO Firing Range Noise Attenuation

Background:

Board direction was provided to look further into option for additional sound attenuation at the Firing Range on Airport Rd. This was following citizen input at recent board meetings.

Progress:

- Enclosing the Range - Facilities Management has reached out to the manufacturer only to discover they have since gone out of business. A follow up with the Architect of Record (Wilder Architecture) was held and a summary of general requirements was drafted. That is attached to this document. We would require an engineer to perform a full feasibility analysis using the RLI process at a budget of \$40K then determine the full cost to design and construct an enclosure.
- Additional Buffering – Research was conducted to determine the level of effort and estimated costs to install a sound wall (like those installed along highways and interstates to protect residential areas from the noise. We estimate that cost to be \$500K for design and construction of a wall that is 10 feet high and up to 800 feet long. It would be installed along the property edge between the range and Waterford Estates.
- Communication - Charlotte County Sheriff office continues to provide a 2-month schedule of known/planned range days to the community HOA. They currently have a range schedule calendar integrated into the homepage of the CCSO website.

Recommendation:

- Direction to fund and move forward with the wall or the enclosure study. At this time, we would have no evidence that a wall would eliminate sound and can only assume it would support in reducing the noise to some degree. We would also need to perform the feasibility of enclosing the range before we could determine if that is safe and appropriate for the use of the space as well as to determine what level of sound attenuation can be achieved.