



**City of Boiling Spring Lakes
Board of Commissioners Workshop
Capital Projects
October 23, 2014
City Hall – 10:00 am**

PLEASE TURN OFF CELL PHONES

1. Call to Order ~ Mayor Craig Caster ~

Mayor Caster called the meeting to order at 10:10 am

2. Attendance ~ in attendance at the meeting were ~

Mayor Craig Caster	Commissioner Barbara Glidden
Commissioner Mike Forte	Commissioner David Putnam
Commissioner Mary Stilwell	City Clerk Jane McMinn
City Manager Jeff Repp	City Engineer William Murphy

3. City Manager Repp presented some slides on capital projects for the FY2015 which were previously discussed under the Powell Bill funds which are available for drainage along city roads, paving of city roads and repaving of city roads. City Manager Repp explained that there are three areas of funds equaling \$335,000 which are available through the Powell Bill. These funds are an accumulation of funds that are available as of July 1, 2014 to allocate toward these projects.

Manager Repp explained that in the FY2015 the City listed a number of streets based on the last criteria that the board had established to consider for paving and repaving. The slide that was presented showed the streets that were listed in the FY2015 budget based on the list that has been in existence prior to my employment here in BSL. The current estimate is \$146,438 for the streets that were listed and the dollar amount was agreed upon. We have not yet established the streets to be paved. The board does have the ability to make changes to the list.

The other issue was the orphan roads which have now been accepted into the city but are still not on the Powell Bill list as funds we can use. That will not happen until July 21, 2015 as this is only done on an annual basis. If the streets were not submitted by then, we have to wait another year. At the last BOC meeting we discussed the surveying of those roads and the proposals were due on Friday, October 24, 2014 for the survey and services. We can use those funds to get those roads surveyed. We can submit them to the State and on July 21, 2015, they would be eligible for funds to be expended. Last year we talked about the cost to bring these roads up to stone standard. The estimate to bring the roads up to stone standard would be \$74,000 which includes the surveying. The city is under no obligation to do all at one time or even do it at all if that is what you choose. Mayor Caster asked if the city could help the citizens out with the condition of their roads

until the funds are approved. City Manager Repp stated that the city can grade and do basic road maintenance. Commissioner Glidden commented that if the roads were brought up to the stone standard, it would help with emergency vehicles to have a much easier access to those areas. Commissioner Forte stated that at the Fire Department meeting two roads were brought up, Argonne and Fieldcrest as un-passable for a fire engine. Powell Bill money would solve this problem. Manager Repp commented that citizens need to let City Hall know about these types of issues with their roads.

4. Holly / Walnut / Redwood Presentation

Manager Repp stated that Redwood and Holly roads have been blocked by storm drainage. SunGate Design Group was contracted by the city and the firm did propose a non-mechanical solution to the problem. Our City Engineer, Bill Murphy has taken a look at another alternative of a pump system.

Engineer Bill Murphy presented two possible approaches. Approach #1 is the gravity method solution which SunGate Design has proposed. Bill stated that there are advantages and disadvantages to this approach. On the positive side there will be no electrical needed and there would be open swales which property owners could redirect their stormwater flow to the swales. On the disadvantage side there would be the purchase of property and easements, which would include utility conflicts, and installation of deep swales which will require changes to property and easements which will then require reconstruction of driveways, removal of trees and fence along the right of way. This option will require professional design and construction which DPW would not be able to do. Regular cleaning of debris and silt removal will be required and environmental permitting may be needed. Bill stated that the gravity method has tremendous capacity and there would never be any issues in the road. The estimated cost for Approach #1 is \$118,008.

Bill stated that he thought a second approach was important to look at. Approach #2 is the pumping method. The advantages to this method would be to have the correct size pump station to handle the flow of water and prevent clogging. An electrical source is already in existence, no land parcel is necessary, there would be no affect on property, construction can be phased into multiple years, DPW staff can do most of the installation and there will be a savings in design cost. The disadvantages would be an upgrade to 3-phase power. When power outages occur, this would cause a temporary shutdown until power is restored. Cleaning of forebay and sediment chamber will be necessary along with system maintenance. Approach #2 can be done in two phases. With the pump system based on the watershed, there is the possibility that there could be storms that temporarily shut the pump system down due to the lack of electricity. The road and the vicinity could still flood in a very rare circumstance.

Phase 1 at Redwood could be done first at an estimated cost of \$94,800; then Phase 2 at Holly Rd. would be done at an estimated cost of \$31,500.

There were questions asked by the board regarding easements of property, the size of the vault, permitting questions and cost, the purchase or lease of a generator, also if the

power goes out would a generator be installed or would we need to lease one. Discussion about wetlands and permitting and a concern about mitigation.

Some of the comments made by the board were positive to Approach #1 was the gravity method with no electricity requirement, our city attorney can approach property owners for property acquisition. Comments about citizens personal property would be an impact. There is also the possibility of moving a water line; concern about the 50' wide trench which is esthetically unpleasing. There are pros and cons to both options. With Approach #2, the biggest concern was the electrical system going out due to storms, with leasing or purchasing a large diesel generator. Both approaches would be completed sometime in 2016.

The FY2015 Workshop on Capital Projects is hereby incorporated by reference and made a part of these minutes.

Mayor Caster reinforced that the mission of the board is to make sure our roads do not flood.

Manager Repp explained that the board will need to give direction on which way they want to go. Based on the breakdown, the cost is essentially the same and the impact on the budget has been presented in the last slide. It is the determination of the board to give the direction on which way you would like to go. Whatever approach is taken there will be money that will need to be spent. If there is a problem that arises, we would certainly come back to the board.

It was decided by the board to review what was presented, continue to ask questions of Manager Repp and Bill Murphy and add this topic to the agenda for the November meeting.

5. Public Comments ~

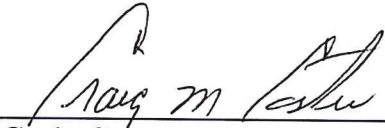
Ricky Rygg commented that he thinks the gravity method would be the ideal way to go.

Jim Nicholas suggested looking into leasing options on generators.

Charlie Carroll suggested exploring before the next meeting what the availability of these generators are when one is needed.

6. Adjourn ~

The meeting was adjourned at 11:20am




Craig Caster, Mayor

ATTEST:



Jane McMinn, City Clerk



Date

