

To: Jeff Fisher
Curtis Hindman
Company: City of Senoia
From: Michael Madison
Date: November 10, 2022
Subject: Proposed Downtown Master SW Detention Project
Pipe Lining Cost Opinion

Project No.: 1153.2203
Copy to: Dana Johnson
Jason Ray

In support of ISE’s Stormwater Drainage Pipe Condition Assessment Memorandum dated October 25, 2022, ISE understands that the City desires cost estimates for those stormwater drainage pipes that are currently suitable for structural rehabilitation via pipe lining. The table below summarizes the estimated lining cost for each suitable pipe segment and includes the costs associated with CCTV and pipe cleaning activities. For reference, attached to this memorandum is the Structure ID Map and the Pipe Condition Assessment Summary Table from ISE’s October 25, 2022 memorandum.

Structure Number	Pipe Segment	Lining Method	Cost Estimate
HW-1 to JB-2	78 LF 48" BCCMP	Centrifugally Cast Concrete Pipe	\$27,670.00
JB-2 to JB-3	99 LF 48" BCCMP	Centrifugally Cast Concrete Pipe	\$34,750.00
JB-3 to DI-4	97 LF 48" BCCMP	Centrifugally Cast Concrete Pipe	\$34,042.00
Total			\$96,462.00

During the initial pipe condition assessment, two additional pipe segments were identified as potential candidates for structural rehabilitation via the Cured In Place Pipe lining method. These two pipe segments are the 30 inch diameter pipe between DI-4 and HGI-6 and the 30 inch diameter pipe between HGI-6 and JB-7. Both pipe segments are currently exhibiting minor to moderate corrosion. It is ISE’s opinion that these pipe segments are not requiring immediate attention and most likely have another five to eight years left in their design lifespan before rehabilitation or replacement efforts are necessary. In addition, it is also unclear at this time how the ongoing Master Water Quality Detention project will affect these two pipe segments particularly if these pipe segments will require realignment, relocation or modification of the associated drainage structures.