

HOLD
OUT

ADD
IN

Culvert #	Replacement Culvert Description		Estimated Construction Cost				Significant Changes (Size Reduction-Update)
	2019 CFA Grant	Preliminary Design	2019 CFA Grant	Preliminary Design	Size Reduction	Final Design	
1	Replace 24" CMP with 55 feet of 42" HDPE	Replace 24" CMP with 140 feet 42" HDPE & 2 Storm Manholes	\$ 35,004	\$ 109,490	\$ 109,490	\$ 93,882	Bedrock is deeper than originally assumed.
4	Replace 24" HDPE with 42" HDPE and 2 Storm Manholes	Replace 24" HDPE with 42" HDPE and 3 Storm Manholes	\$ 161,142	\$ 123,082	\$ 93,425	\$ 101,258	Stone headwall added. No change in bedrock.
4A	Replace 24" with 48" HDPE and 2 Storm Manholes	Replace 24" & 36" Steel with 60" HDPE and 2 Storm Manholes	\$ 139,858	\$ 181,255	\$ 149,060	\$ 149,577	Stone headwall added. Bedrock is deeper than originally assumed.
6	Replace 24" Steel with Steel Pipe-Arch 57"x38"	Replace 24/18" Steel with 36" HDPE and 1 Storm Manhole	\$ 29,974	\$ 45,604	\$ 34,942	\$ 44,092	Stone headwall added. Bedrock depth is similar to what was originally assumed.
7	Replace 18" HDPE with 36" HDPE and 2 Storm Manholes	Replace 18" & 24" with 48" HDPE and 2 Storm Manhole	\$ 89,985	\$ 98,008	\$ 66,969	\$ 72,337	Stone headwall added. Bedrock depth is deeper than originally assumed.
7 Diversion	NA	Install 308 LF of 24" HDPE and 2 Storm Manholes between Culverts #7 & #8	\$ -	\$ 64,951	\$ 64,951	\$ 64,951	No significant change.
8	Replace 24" Steel with Steel Pipe-Arch 42"x29"	Replace 24" Steel with 24" HDPE and 1 Storm Manhole	\$ 23,828	\$ 42,267	\$ 42,267	\$ 38,415	Stone headwall added. Bedrock is deeper than originally assumed.
9	Replace Steel Pipe-Arch 35"x24" with Steel Pipe-Arch 57"x38"	Replace Steel Pipe-Arch 35"x24" with Steel Pipe-Arch 71"x47"	\$ 29,292	\$ 80,033	\$ 45,383	\$ 53,781	Stone headwall added. No significant change in assumed bedrock depth.
10	Replace 30" Steel with Steel Pipe-Arch 71"x47"	Replace 30" Steel with 60" HDPE and Storm Manhole	\$ 44,278	\$ 89,239	\$ 64,262	\$ 65,767	Stone headwall added. Bedrock should be deeper than originally assumed.
11	Replace 18" HDPE with Steel Pipe-Arch 57"x38"	Replace 15" HDPE with 30" HDPE and Storm Manhole	\$ 42,407	\$ 54,152	\$ 33,006	\$ 35,092	Stone headwall added. Bedrock is deeper than originally assumed.
SUBTOTAL CONSTRUCTION			\$ 595,768	\$ 888,082	\$ 703,754	\$ 719,152	
Change from previous estimate			NA	\$ 292,314	\$ 184,327.55	\$ 15,398	

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 - # 108,490 SITE #1
 # 595,264 is # 595,768 (OK)