

Mr. Sluss
Water
MCS
CC Dam Flood Damage

CITY REC'D

Roanoke, Virginia
February 18, 1986

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Honorable Mayor and City Council
Roanoke, Virginia

Dear Members of Council:

Subject: Information Report on the Emergency Flood Damage Repairs to
the Carvins Cove Dam and Water Supply Facilities

I. Background:

- A. Flood of November 4, 1985 caused damage to the City's water facilities at Carvins Cove as follows:
 1. Raw water feed line from the dam to the filtration plant was exposed for a distance of approximately 100 feet by the tremendous flow of water which crested over the dam spillway at a depth of 5.5 feet (spillway height is 5.0 feet).
 2. Concrete structure at the foot of the dam which houses some valves was damaged by the water and debris washed over the dam.
 3. Gunite cover on the spillway was partially washed away.
 4. Metal door in the face of the dam, which originally provided access to the valves now contained in the concrete structure damaged as noted in item 2., above, was partially ripped from its hinges.
- B. City Administration authorized the local firm of Mattern and Craig, which has several existing contractual agreements with the City, to prepare plans and specifications for the necessary repair work.
- C. Bids were received by the Manager of the Department of General Services on December 20, 1985.
- D. Six bids were received, with the local firm of H & S Construction Company submitting the low bid in the amount of \$48,500.00.
- E. City Administration, after receiving assurances from H & S Construction Company that no current City contract work would