

## Haw Creek Rough Cost Estimate

### 1) Debris and Tree Removal and Disposal

Approx. 40 creek locations @ \$25,000 per = \$1,000,000 including a maintenance travelway along one side of the creek (also land rights costs))

### 2) Hazard Mitigation

- a) Remove and replace the railroad bridge = \$500,000
- b) Enlarge 18<sup>th</sup> Street (CRH) bridge = \$500,000
- c) Remove and haul sediments from the creek from the railroad bridge to 25<sup>th</sup> Street = \$500,000
- d) Remove berm from the west side of the creek from the railroad southerly to the East Fork of White Creek = \$500,000
- e) Misc. improvements and side slope armoring/stabilization = \$500,000
- f) Removal of 2 concrete dams from the creek including construction of one inverted siphon = \$500,000
- g) Engineering and environmental studies for all of above = \$500,000

TOTAL = \$ 4,500,000

J. Boldt, PE (retired) 4/24/14