



## **WORKSHOP MEETING AGENDA**

### **Cherry Creek Stabilization Plan**

**Friday April 9, 2010, 9:00am – 10:30 am at UDFCD**

**Purpose:** Workshop to evaluate stabilization measures in the most unstabilized reach – Monaco to Iliff

**Problem:** Steep cut banks and mass wasting. Need to reconnect channel with the floodplain overbanks.

**Goal:** Develop an Alternatives Analysis Report

#### **1. Constraints**

- a. *Floodplains* - cannot raise regulatory Water Surface Elevations
- b. *Outfalls* - cannot raise channel above storm outfalls
- c. *Property Ownership* – previous studies did not recommend structures on Denver Water
- d. *Infrastructure* – protect existing utilities and bridge crossings
- e. *Environmental* – many landfills could limit ability to excavate
- f. *Habitat* – protect mature vegetation

#### **2. Previous Studies (Recommend 31.9 feet of drop)**

- a. *Drop 14* – 6.4 feet upstream of Monaco
- b. *Drop 15* – 8.7 feet upstream of Pedestrian Bridge
- c. *Drop 16* – 8.8 feet upstream of Quebec
- d. *Drop 17* – 8.0 feet downstream of Denver Water property

#### **3. Existing Conditions**

- a. 8200 lineal feet
- b. 0.39% slope
- c. 31.9 feet of fall
- d. Thalweg elevation similar to 1991 profile (no noticeable degradation or aggradation)
- e. Visible lateral migration

#### **4. Alternatives**

- a. Drops
  - i. Few large
  - ii. Many small
- b. Banks
  - i. Major earthwork to lay back banks
  - ii. Harden
- c. Planform
  - i. Existing conditions
  - ii. Modification

#### **5. Action Items**

- a. Complete Floodplain Model
- b. Produce Alternatives Analysis Report
- c. Next meeting May 6