



**URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
BOARD OF DIRECTORS**

April 16, 2009

MINUTES

Members Present:

Susan Beckman	Commissioner, Arapahoe County
Rick Dindinger	Mayor Pro Tem City of Centennial
Faye Griffin	Commissioner, Jefferson County
Erik Hansen	Mayor, City of Thornton
Bob Hoffmaster	Engineer
Peggy Lehmann	Council Member, City and County of Denver
Nancy McNally	Mayor, City of Westminster
Bob Murphy	Mayor, City of Lakewood
Alice Nichol	Commissioner, Adams County
Kathleen Novak	Mayor, City of Northglenn
Jill Repella	Commissioner, Douglas County
Dave Sellards	Engineer
Nancy Sharpe	Mayor, City of Greenwood Village
Walt Spader	Mayor Pro Tem, City and County of Broomfield
Guillermo (Bill) Vidal	Deputy Mayor, City and County of Denver

Members Absent:

Jerry DiTullio	Mayor, City of Wheat Ridge
Cindy Domenico	Commissioner, Boulder County
Bob FitzGerald	Mayor Pro Tem, City of Aurora
Bob Frie	Mayor, City of Arvada
Marcia Johnson	Council Member, City and County of Denver
Andrew Muckle	Mayor, Town of Superior
Chris Nevitt	Council Member, City and County of Denver

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Bill DeGroot	Manager, Floodplain Management
Mark Hunter	Manager, Design, Construction, and Maintenance
Ken MacKenzie	Manager, Master Planning
David Mallory	Senior Project Engineer, Floodplain Management
Cindy Thrush	Senior Project Engineer, Design, Construction, and Maintenance
Barbara Chongtoua	Project Engineer, Design, Construction, and Maintenance
Jeff Fisher	Senior Construction Manager, Design, Construction, and Maintenance
Darren Bradshaw	Construction Manager, Design, Construction, and Maintenance
Frank Dobbins	Director, Finance and Accounting
Sandra Gonzalez	Administrative Services Manager

- 1. Call to Order – 1:00 p.m.**
Chairperson McNally called the meeting to order at 1:00 p.m.
- 2. Roll Call - Determination of Quorum**
Roll was called and a quorum was declared present.
- 3. Introductions**
 - a. Swearing in of New Board Members**

Ed Krisor, Legal Counsel, administered the Oath of Office to Mayor Pro Tem Rick Dindinger representing the City of Centennial.

4. Approval of March 16, 2009, Meeting Minutes

It was moved and seconded to approve the minutes as submitted.

5. Consent Agenda (*Consent items are considered routine and will be approved by one motion unless a request is made by a Board Member for removal for further discussion or explanation.*)

a. Review of Cash Disbursement

Cash Disbursement list dated March and April 2009 was distributed to the Board for review.

There being no further comments or questions, it was the consensus of the Board to include approval of the Cash Disbursements on the Consent Agenda.

b. Authorization for a Planning Study on South Platte River in Denver (Resolution No. 26, Series of 2009)

The City and County of Denver and the Greenway Foundation have asked the District to participate in a planning study for a portion of the South Platte River beginning at 20th Street in Denver and ending at the southern city limit of Denver at approximately Amherst Avenue. The Denver Water Department and the Colorado Water Conservation Board are also expected to be participants in the study.

This reach of the South Platte River is referred to as “River South” and is approximately seven and one-half miles long. It has previously been the focus of “Major Drainageway Planning – South Platte River, Chatfield to Baseline Road – Phase B, Volume I, Preliminary Engineering Design and also Phase B, Volume II, Recreation Plan” both in 1985.

Both of these studies are quite old and need to be updated to reflect the current desires of the local governments. For the portion of the South Platte River addressed by this resolution this new planning study will focus on water quality improvements, storm water release improvements, recreation, park and open space opportunities, water conservation/xeriscape enhancement opportunities, creation of improvements for increased wildlife, channel stability improvements, and water deliverability improvements.

The total study costs are projected to be \$485,000 with the local sponsors contributing \$360,000 and UDFCD contributing \$125,000. This resolution authorizes the expenditure of District funds from the South Platte River – Capital Improvement Fund not to exceed \$125,000 plus interest earned in the project’s trust and agency account.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 26 on the Consent Agenda

c. Authorization for a Planning Study of the Lower Park Hill Drainage Area (Resolution No. 27, Series of 2009)

The City and County of Denver and Denver Water have asked the District to participate in a planning study leading to an outfall systems plan for the portion of the Park Hill drainage basin near the South Platte River.

This study will develop hydrology that will be used to produce an outfall systems plan for the lower portion of the Park Hill drainage basin. The City and County of Denver and Denver Water have noticed considerable flooding and drainage problems around the Denver Water Recycling Plant caused primarily by a poorly maintained and ineffective drainage conveyance system downstream of the facility. The local sponsors need to have a master plan in place so they can begin planning capital improvements such as improved conveyance, roadway crossings, and stormwater detention ponds. This study will enable the local sponsors to understand and budget

for their share of coordinated improvements that will reduce flooding, improve drainage, and enhance stormwater quality.

The total study costs are projected to be \$150,000 with the local sponsors contributing \$75,000. This resolution requests the Board to authorize the expenditure of the District's share not to exceed \$75,000 plus interest earned in the project's trust and agency account.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 27 on the Consent Agenda

d. Additional Authorization for a Planning Study of South Boulder Creek (Resolution No. 28, Series of 2009)

South Boulder Creek is located in southern Boulder County and crosses the southern and eastern edges of the City of Boulder. This watershed covers approximately 136 square miles, starting at the Continental Divide and extends over 27 miles to the confluence with Boulder Creek. The \$1,250,000 South Boulder Creek Flood Mapping Study identified a flood area containing over 1,000 buildings located west of the creek and north of U.S. 36, called the West Valley Overflow.

This flood area was not identified by earlier studies, and this area has been built-out without flood protection measures. The new mapping study will replace the current regulatory 1986 map. FEMA hopes to have new mapping based on this study by early 2010.

Boulder appropriated \$150,000 in 2008 and \$300,000 in 2009 to complete a planning study to mitigate the flooding impacts in the West Valley. In addition, \$3,000,000 has been allocated in 2010-2011 to help fund selected flood mitigation improvements when determined. The City of Boulder is also pursuing federal funding for flood mitigation planning and construction. It is hoped that an engineering consultant will be selected by June 2009.

There have been a number of previous studies regarding South Boulder Creek flooding. These include:

(1969) Army Corps of Engineers, *Floodplain Information, Boulder Creek and South Boulder Creek*. This was the first South Boulder Creek flood study and was used in the original 1979 Flood Insurance Rate Map (FIRM).

(1973) RW Beck and Associates, *Major Drainageway Planning, South Boulder Creek*. This study proposed flood mitigation measures for South Boulder Creek based on the 1969 Army Corps of Engineers study. The plan was never adopted.

(1986) Greenhorne and O'Mara (G&O), *South Boulder Creek Flood Hazard Area Delineation*. This study replaced the 1969 flood study and updated the flood mapping in the 1988, 1990, 1995, and current 2002 FIRM.

(1996) Love and Associates (Love), *South Boulder Creek Floodplain Impacts*. The University of Colorado commissioned this study as part of the due diligence review for the purchase of the CU-Boulder South Campus, located at US 36 and Table Mesa Drive. This is the study that identified that significant flood spills would impact east Boulder areas in the West Valley.

(1996 and 1997) Taggart Engineering Associates, *Evaluation of Certain Engineering Studies of South Boulder Creek, Phase I, and Initial Reconnaissance of Drainage Network and South Boulder Creek's Hydrology, Phase II, respectively*. This study was commissioned by the City of Boulder, Boulder County, and the Urban Drainage and Flood Control District to verify the results of the Love study, and the West Valley flood spills, in comparison to the adopted G&O floodplain mapping.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 28 on the Consent Agenda

e. Authorization to Participate in Drainage and Flood Control Improvements on Goldsmith Gulch at Peakview in Arapahoe County (Resolution No. 29, Series of 2009)

This is a joint project with the Southeast Metro Stormwater Authority (SEMSWA) working on behalf of Arapahoe County. SEMSWA desires to design, acquire right-of-way, and construct

improvements along Goldsmith Gulch in accordance with the "Goldsmith Gulch Major Drainageway Planning" dated November 1977. The project includes bank protection improvements and potentially grade control structures.

Public right-of-way exists for the Goldsmith Gulch corridor but more land may be desirable to accommodate the full 100-year improvements. Any additional acquisition would be included in the project costs. The District will be administering the design once a consulting engineering firm is selected. The District and SEMSWA have identified \$200,000 in initial project costs for the design and right-of-way acquisition with the District's participation being \$100,000 of 2009 funds. Construction is anticipated in 2010 with additional funding being necessary at that time.

This resolution authorizes \$100,000 of District funds from the Special Revenue Fund - Construction to at least be matched by SEMSWA for the design and acquisition of right-of-way for the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 29 on the Consent Agenda

f. Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek at Ecco Park in the City of Centennial (Resolution No. 30, Series of 2009)

This is a joint project with the Southeast Metro Stormwater Authority (SEMSWA) working on behalf of the City of Centennial. SEMSWA desires to design, acquire right-of-way, and construct improvements along Cherry Creek in accordance with the "Cherry Creek Corridor Reservoir to County Line Outfall Systems Plan" dated May 1999. The project improvements include preserving the meandering pattern of the creek by repairing bank erosion and installing low height grade control structures.

Public entities already hold the necessary easements and right-of-way where the project will be carried out. The District will be administering the design once a consulting engineering firm is selected. The District and SEMSWA have identified \$100,000 in initial project costs for the design of improvements with the District's participation being \$50,000 of 2009 funds. Construction is anticipated in 2010 with additional funding being necessary at that time. It is anticipated that SEMSWA will manage the construction of the improvements.

This resolution authorizes \$50,000 of District funds from the Special Revenue Fund - Construction to at least be matched by SEMSWA for the design of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 30 on the Consent Agenda

g. Additional Authorization to Participate in Drainage and Flood Control Improvements on Littles Creek at West Lake in the City of Littleton (Resolution No. 31, Series of 2009)

This is a joint project with the City of Littleton. Muller Engineering Company is designing the project under contract with the District. The drainage elements of the project include installation of enlarged box culverts at Caley Avenue and Windermere Street and channel improvements between Caley and Windermere.

The City of Littleton already holds the necessary easements and right-of-way where the project will be carried out. The final design is about 80% complete and the District and the City of Littleton desire to construct the improvements when sufficient funding is in place. Construction will be managed by the City of Littleton. The District and the City of Littleton have identified \$600,000 in total project costs with the District's participation being \$300,000. The previous authorization, Resolution No.48, Series of 2007 approved \$100,000 toward funding of design and construction.

This resolution authorizes an additional \$200,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Littleton for the design and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 31 on the Consent Agenda

h. Additional Authorization to Participate in Drainage and Flood Control Improvements on Happy Canyon Creek at Surrey Ridge in Douglas County (Resolution No. 32, Series of 2009)

This is a joint project with Douglas County. J. F. Sato and Associates is designing the project under contract with the District. The drainage elements of the project include installation of several grade control structures and some bank protection features.

Easement and right-of-way acquisition is included in the project costs as all the property along the project length is privately owned. The final design is underway and the District and Douglas County desire to construct the improvements which will be managed by the District. The District and Douglas County have identified \$805,000 in project costs with the District's participation totaling \$330,000. The previous authorization, Resolution No. 40, Series of 2008 approved \$75,000 toward funding of design and to partially fund acquisition of right-of-way and construction.

This resolution authorizes an additional \$255,000 of District funds from the Special Revenue Fund - Construction to at least be matched by Douglas County for the design, acquisition of right-of-way, and construction of the drainage elements of the project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 32 on the Consent Agenda

i. Additional Authorization to Participate in Improvements to the Sun Valley and Zuni Reaches of the Upper Central Platte Valley (UCPV) Project in Denver (Resolution No. 33, Series of 2009)

This is a joint project with the City and County of Denver. The Matrix Design Group designed the project under contract with the District. The drainage elements of the project include reduction of the floodplain by removing features from the corridor that force the floodplain out of the channel, regrading the banks, and installing bank protection and grade control structures.

The City and County of Denver holds most of the necessary easements and right-of-way. Acquisition of the remaining right-of-way is included in the project costs. The final design is now complete and the District and the City and County of Denver desire to construct the improvements which will be managed by Denver.

The City and County of Denver has requested that the District transfer all remaining District funds from the recently completed Globeville – Phase 3 Construction and Redesign Project, to the Sun Valley and Zuni Reaches of the UCPV Project. This transfer will bring the District's total participation to \$8,298,128.56. The previous authorizations, Resolution No.8, Series of 2001, Resolution No. 9, Series of 2002, Resolution No. 50, Series of 2004, Resolution No. 57, Series of 2005, Resolution No. 47, Series of 2006, Resolution No. 43, Series of 2007, and Resolution No. 4, Series of 2008 totaled \$5,800,000 of District participation to fund design, acquisition of right-of-way, and construction.

This resolution authorizes the transfer of \$2,498,128.56 of District funds from the Globeville – Phase 3 Construction and Redesign Project to at least be matched by the City and County of Denver for the design, acquisition of right-of-way, and construction of the drainage elements of the Sun Valley and Zuni Reaches of the UCPV Project.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 33 on the Consent Agenda.

There was a discussion regarding the consultant selection process for District projects. Mark Hunter and Paul Hindman explained that it is a quality based selection process. Annually the District distributes a questionnaire to local consultants, to inquire of their interest in being considered for future projects based on their area of expertise. When a new consultant contacts the District they are also asked to complete the questionnaire. From this data a list of consultants is compiled for consideration for upcoming projects. The local government involved on each project compiles a list of consultants to be considered and the District may add to that list based on the questionnaire-created list. This combined list of approximately 10 consulting firms is then reviewed and ranked by the local government and the District. From that list 3-4 firms are interviewed and a joint determination is made for the consultant selected for the project.

Another question was asked as to how it is determined who will administer each project. Paul Hindman responded that if it is primarily a design and construction project, the District, based on their expertise usually handles the administration of the project. However, if the project includes roadway improvements, parks, etc. then the District and the local entity usually negotiate who will administer the project.

In response to a question regarding whether the District was currently receiving lower construction bids, Mr. Hindman noted bids have been coming in slightly lower.

Mr. Hindman also noted that projects presented to the Board each month have all been authorized through the adoption of the annual Five Year CIP in December of each year. Projects are presented individually to the Board when the project is actually ready to proceed and to provide more details for the Board.

6. Vote on Approval of the Consent Agenda

It was the consensus of the Board that Resolutions No. 26, 27, 28, 29, 30, 31, 32, and 33, Series of 2009, and Cash Disbursements for March and April 2009 be placed on the Consent Agenda. Mayor Novak moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

7. Reports/Discussion

The Executive Director's Monthly Report to the Board was distributed to the Board Members. There was no discussion.

8. Other Business

Council Member Lehmann mentioned that the 5th Annual Denver Rubber Duck Drop would be held on Sunday, May 3. Tickets are 1 @ \$5each, or 5 for \$20.00. Over 60 prizes will be given out. The event benefits the Denver Public Schools.

9. New Business

a. Flood Disaster Exercise – June 30

Paul Hindman stated that the District staff would conduct a flood disaster exercise on June 30 to prepare staff on how to respond should such a scenario arise. In most cases, the District would not be the first responders to an incident but would be called upon to assist local governments and citizens at a later time. All District staff will be included in the exercise as well as some Board members who might be called upon to assist with the effort.

Mayor Novak suggested that a video be created of the exercise as a promotional and educational piece on the District's role and purpose in the community.

b. Field Trip – June 11, 2009

Paul Hindman announced that in place of a one-time bus tour to review the District's current projects, this year he would like to do a couple of smaller field trips. The premise would be that two projects for each field trip would be selected and Board members would be given the date, time and location. Board members could then decide if their schedule would allow them to "drop by" at their convenience to review the specific project being presented at that field trip. Local

governments, District staff, and Board members' staff would be encouraged to attend the field trips.

The first field trip is tentatively scheduled for June 11th starting at 9:00 a.m. at Utah Park, Aurora and then at 10:00 a.m. proceeding to Cherry Creek Drop Structure 27. It was noted that there may be a conflict with the purposed date because of the CCI conference. Paul Hindman will check on the date and reschedule the field trip if necessary.

10. Announcements

Chairperson McNally reminded the Board that the next scheduled meeting would be held on Thursday, May 21, 2009.

11. Adjournment

Chairperson McNally adjourned the meeting at 1:45 p.m.