



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

March 17, 2011

MINUTES

Members Present:

Doug Clark	Mayor, Littleton
Joyce Downing	Mayor, City of Northglenn
Bob Dyer	Mayor Pro Tem, City of Arvada
Mack Goodman	Mayor Pro Tem, City of Thornton
Faye Griffin	Commissioner, Jefferson County
Bob Hoffmaster	Engineer
Nancy McNally	Mayor, City of Westminster
Bonnie McNulty	Mayor, Edgewater
Andrew Muckle	Mayor, Town of Superior
Bob Murphy	Mayor, City of Lakewood
Alice Nichol	Commissioner, Adams County
Renie Peterson	Mayor Pro Tem, City of Aurora
Jill Repella	Commissioner, Douglas County
Dave Sellards	Engineer
Walt Spader	Mayor Pro Tem, City and County of Broomfield
Vorry Moon	Mayor Pro Tem, City of Centennial
Ken Wilson	Deputy Mayor, City of Boulder

Members Absent:

Susan Beckman	Commissioner, Arapahoe County
Cindy Domenico	Commissioner, Boulder County
Marcia Johnson	Council Member, City and County of Denver
Peggy Lehmann	Council Member, City and County of Denver
Paul Lopez	Council Member, City and County of Denver
Guillermo (Bill) Vidal	Deputy Mayor, City and County of Denver

UDFCD Staff Present:

Paul Hindman	Executive Director
Ed Krisor	Legal Counsel
Dave Bennetts	Manager, Design, Construction, and Maintenance
Ken MacKenzie	Manager, Master Planning
Laura Kroeger	Assistant Manager, Design, Construction, and Maintenance
Richard Borchardt	Senior Project Engineer, Design, Construction, and Maintenance
David Mallory	Senior Project Engineer, Floodplain Management
Barbara Chongtoua	Senior Project Engineer, Design, Construction, and Maintenance
Shea Thomas	Senior Project Engineer, Master Planning
Terri Fead	Project Engineer, Floodplain Management
David Skuodas	Project Engineer, Design, Construction, and Maintenance
Sandra Gonzalez	Administrative Services Manager

Others Present

Bob Manwaring, City of Arvada, representing APWA
Dean Jones, Johnson, Holscher & Company, P.C.
Lesley Thomas, City/County of Denver

- 1. Call to Order and Pledge of Allegiance – 1:00 p.m.**
Chairperson Pro Tem Nichol 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 Doug Clark, City of Littleton, representing Arapahoe County, Mayor Pro Tem Mack Goodman, representing the City of Thornton, Mayor Pro Tem Vorry Moon representing the City of Centennial, and Mayor Bonnie McNulty, City of Edgewater, representing Jefferson County.

b. Visitors/Guests

Paul Hindman introduced Bob Manwaring APWA Colorado Chapter Director

c. Awards/Recognition

Paul Hindman noted that the District was recognized by the Colorado Chapter of APWA for its work on Sanderson Gulch with City of Lakewood and for the Littles Creek project with City of Littleton. Bob Manwaring presented the awards to Rich Borchardt and Doug Clark representing the City of Littleton (Littles Creek) and to Laura Kroeger and Bob Murphy representing the City of Lakewood (Sanderson Gulch).

Mr. Hindman also mentioned that the resolution adopted by the Board at the February 2011 Board Meeting adopting the "Good Neighbor Policy" was presented to NAFSMA – which Bill DeGroot sits on as a Director. CASFM, ASFPM, FEMA, and the US Army Corps of Engineers have also received the policy.

4. Approval of February 1, 2011 Annual Meeting Minutes

The minutes were approved as submitted.

5. Presentation of 2010 Audit – Discussion

Mr. Hindman stated that Dean Johnson, of Johnson, Holscher & Company, P.C. presented the 2010 audit at the annual Board meeting in February. A copy of the report was provided to all the Board members. Dean Johnson of Johnson, Holscher & Company, P.C. was present to answer questions from the Board.

6. Consent Agenda

a. Review of Cash Disbursements

Cash Disbursement list dated February and March 2011 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. Acceptance of 2009 Audit Report (Resolution No. 9, Series of 2011)

This resolution was discussed under Item 5 above.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 9 on the Consent Agenda.

c. Electronic Data Management (Resolution No. 10 Series of 2011)

This is an on-going project that is updated regularly. More of the District's information continues to be available electronically and this resolution will allow further enhancement to the District's web site to increase the speed in retrieving information and allow other information to be added as it seems appropriate to the needs of the public.

There being no further comments or questions, it was the consensus of the Board to place Resolution No.10 on the Consent Agenda.

d. Flood Awareness (Resolution No. 11, Series of 2011)

This is an annual resolution that recognizes that the flood season (April 15 – September 15) is approaching. The intent is to remind citizens, local governments and media that we are entering the annual flood season. It recommends self help actions that all citizens can take to deal with flood hazards; that people investigate the possibility of flooding where they live or work; recommends actions people can take if they live or work in a

floodplain; and recommends that local governments meet with their local emergency preparedness units to discuss what actions to take in the event of a flood.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 11 on the Consent Agenda.

e. Acceptance of Flood Hazard Area Delineation Report for Upper East Toll Gate Creek (Resolution No. 12, Series of 2011)

This resolution accepts the report titled “Flood Hazard Area Delineation, East Toll Gate Creek (Upper)” dated December 2010 and recommends its use as a guide in future planning related to the floodplains contained therein. It also directs the District to submit the report for designation and approval by the Colorado Water Conservation Board.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 12 on the Consent Agenda.

f. Acceptance of Upper East Toll Gate Creek Major Drainageway Planning Study (Resolution No. 13, Series of 2011)

Resolution No. 56, Series of 2008 authorized a Major Drainageway Planning Study for the East Toll Gate Creek watershed upstream of Hampden Avenue, for which the District teamed with the Southeast Metro Stormwater Authority (SEMSWA) and the City of Aurora to fund and complete the study. J3 Engineering Consultants was selected to perform the study and has now completed the conceptual design report based on the engineer’s recommendations as revised by the District, SEMSWA and City of Aurora in the Selected Plan.

This resolution accepts the report titled “East Toll Gate Creek (Upstream of Hampden Avenue) Major Drainageway Plan Conceptual Design Report”, dated March 2011 and recommends that all the drainageway and flood control facilities and practices recommended by the report be used as a guide in future drainage and flood control projects and in land development activities.

There being no further comments or questions, it was the consensus of the Board to place Resolution No. 13 on the Consent Agenda.

g. Authorization to Participate in Drainage and Flood Control Improvements on Cherry Creek from Piney Creek to Upstream of Arapahoe Road, Unincorporated Arapahoe County (Resolution No. 14, Series of 2011)

This is a joint project with the Southeast Metro Stormwater Authority (SEMSWA). SEMSWA desires to design, acquire right-of-way, and construct improvements along Cherry Creek from Piney Creek to upstream of Arapahoe Road in accordance with the “Cherry Creek Corridor – Reservoir to Scott Road Major Drainageway Planning Study” dated January 2004. The project includes channel improvements including bank protection, grade control structures, sediment clean-out areas, and low flow channel construction. Easement and right-of-way acquisition will be included in the project costs. SEMSWA will be administering the design once a consulting engineering firm is selected.

The District and SEMSWA have identified \$225,000 in initial project costs for the design, right-of-way acquisition, and partial funding of construction with the District’s participation being \$50,000. Construction is anticipated in 2011. This resolution authorizes \$50,000 of District funds from the Special Revenue Fund - Construction to at least be matched by SEMSWA 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. 14 on the Consent Agenda.

h. Additional Authorization to Participate in Drainage and Flood Control Improvements on Bolling Drive Tributary at Tower Road, City of Aurora, Adams County (Resolution No. 15, Series of 2011)

This is a joint project with the City of Aurora. Icon Engineering is designing the project under a contract with the District. The drainage elements of the project include construction of a crossing at Tower Road and new channel from Tower Road to upstream of 38th Avenue. Easement and right-of-way acquisition is included in the project costs.

The District and the City of Aurora desire to construct the improvements which will be managed by the District and \$2,600,000 in total project costs have been identified with the District's participation being \$100,000. The previous authorization (Resolution No. 52, Series of 2008) totaled \$200,000 to fund design and to partially fund acquisition of right-of-way and construction. This resolution authorizes an additional \$100,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Aurora 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. 15 on the Consent Agenda.

i. Additional Authorization to Participate in Drainage and Flood Control Improvements on Brantner Gulch at Holly Street, City of Thornton, Adams County (Resolution No. 16, Series of 2011)

This is a joint project with the City of Thornton. ICON Engineering is working on design of the project under contract with the District. The drainage elements of the project include installation of an enlarged ConSpan Arch culvert crossing, a pedestrian underpass, and a widened road embankment to accommodate the future road section. Improvements also include trail connections to the new underpass. Easement and right-of-way acquisition is included in the project costs.

The final design is just beginning and the District and the City of Thornton desire to construct the improvements which will be managed by the District. The District and the City of Thornton have identified \$1,100,000 in total project costs with the District's participation being \$550,000. The previous authorization, Resolution No. 82, Series of 2008 totaled \$500,000 to fund design and to partially fund acquisition of right-of-way and construction.

This resolution authorizes an additional \$300,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Thornton 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. 16 on the Consent Agenda.

j. Additional Authorization to Participate in Drainage and Flood Control Improvements on Grange Hall Creek, City of Northglenn, Adams County (Resolution No. 17, Series of 2011)

This is a joint project with the City of Northglenn. Muller Engineering is designing the project under contract with the District. The drainage elements of the project include installation of pond outlet works upstream of Washington Street and new culverts across Washington Street and Larson Drive.

The City of Northglenn already holds the necessary easements and right-of-way where the project will be carried out. The final design is underway and the District and the City of Northglenn desire to construct the improvements which will be managed by the District. The District and the City of Northglenn have identified \$550,000 in total project costs with the District's participation being \$250,000. The previous authorizations, Resolution No. 46, Series of 2008, Resolution No. 41, Series of 2009, and Resolution No.

32, Series of 2010 totaled \$350,000 to fund design and to partially fund acquisition of right-of-way and construction.

This resolution authorizes an additional \$100,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Northglenn 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. 17 on the Consent Agenda.

k. Additional Authorization to Participate in Drainage and Flood Control Improvements on First Creek Detention Upstream of I-70, City of Aurora, Arapahoe County (Resolution No. 18, Series of 2011)

This is a joint project with the City of Aurora. Merrick and Company has been selected to design the project and will be under contract with the District. The drainage elements of the project include installation of detention pond, outlet structure, and spillway. Easement and right-of-way acquisition is included in the project costs. The design consultant has been selected and the final design will start once the design contract is executed. The design will be managed by the District.

The District and the City of Aurora have identified \$900,000 in total project costs with the District's participation being \$450,000. The previous authorizations (Resolution No.58, Series of 2009 and Resolution No.50, Series of 2010) totaled \$300,000 to fund design and to partially fund acquisition of right-of-way and construction.

This resolution authorizes an additional \$150,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Aurora 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. 18 on the Consent Agenda.

l. Additional Authorization to Participate in Drainage and Flood Control Improvements on Wonderland Creek from Iris to Foothills, City of Boulder, Boulder County (Resolution No. 19, Series of 2011)

This is a joint project with the City of Boulder. Ayres Associates performed conceptual design of the project under contract with the City of Boulder. The drainage elements of the project include installation of a new crossing at Iris Street, channel improvements, trail improvements, reduction in floodplain, flow separation from the Boulder and White Rock Ditch, and a new ridge at the UPRR crossing that includes a trail underpass.

Easement and right-of-way acquisition is included in the project costs. A single family home owned by the Geological Society of America was purchased and deconstructed with money from the previous resolution. This home was situated well within the floodplain.

The final design is about to get underway and the District and the City of Boulder desire to construct the improvements which will be managed by the City of Boulder. The District and the City of Boulder have identified \$ 901,914 in total project costs with the District's participation being \$450,957. The previous authorization, Resolution No. 40, Series of 2010 totaled \$651,914 to fund acquisition of right-of-way.

This resolution authorizes an additional \$125,000 of District funds from the Special Revenue Fund - Construction to at least be matched by the City of Boulder 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. 19 on the Consent Agenda.

m. Additional Authorization to Participate in Drainage and Flood Control Improvements on Boulder Creek at 109th Street, Boulder County (Resolution No. 20, Series of 2011)

This is a joint project with Boulder County. Olsson Associates is under contract for design of improvements to the 109th Street bridge to alleviate scour. Boulder County already holds the necessary easements and right-of-way where the project will be carried out. Final design is underway and the District and Boulder County desire to construct the improvements which will be managed by District.

The District and Boulder County have identified \$300,000 in total project costs with the District's participation being \$150,000. The previous authorization, Resolution No. 39, Series of 2010 totaled \$100,000 to fund design and to partially fund construction.

This resolution authorizes \$100,000 of District funds from the Special Revenue Fund - Construction to at least be matched by Boulder 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. 20 on the Consent Agenda.

n. Additional Authorization to Participate in Drainage and Flood Control Improvements on Fairmount Outfall, East of McIntyre Street, Jefferson County (Resolution No. 21, Series of 2011)

Jefferson County and the District desire to design, acquire right-of-way, and construct improvements along Fairmount Outfall from Eldridge Street upstream to McIntyre Street in accordance with the "Fairmount Outfall Systems Plan Phase B" by Moser and Associates dated April 2004.

The project includes open channel, grade control structures, and roadway crossing improvements sized to convey the 10-year event. Upstream of McIntyre Street, the recently completed Swamp Angel Detention Pond enlargement project captures the projected 10-year flow and directs it south through the McIntyre Street Outfall to Clear Creek.

The District will be administering the design once a consulting engineering firm is selected. Easements and right-of-way acquisition will be included in the project costs. Construction of the improvements will also be managed by the District.

The Board previously authorized (Resolution No. 31, Series of 2010) \$100,000 for design, acquisition of right-of-way, and construction of improvements along Fairmount Outfall, East of McIntyre Street. The District and Jefferson County have now identified an additional \$900,000, resulting in a revised total project cost of \$1,100,000 for the design, right-of-way acquisition, and future funding of construction, with the District's additional participation being \$450,000 in 2011 funds for a total District participation of \$550,000. It is anticipated that additional monies will be needed in future years to fund construction. Construction is anticipated to begin in 2013.

Resolution No. 21 authorizes \$ 450,000 of District funds from the Special Revenue Fund - Construction to at least be matched by Jefferson County for the design, acquisition of right-of-way, and future funding of 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. 21 on the Consent Agenda.

7. Vote on Approval of the Consent Agenda

It was the consensus of the Board that Resolutions No. 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21, Series of 2011, and Cash Disbursements for February and March 2011 be placed on the Consent Agenda. Mayor McNally moved to adopt the Consent Agenda. Upon a roll call vote the motion was passed unanimously.

8. Reports/Discussion

a. Executive Director's Report

The Executive Director's Monthly Report to the Board was distributed to the Board Members. Mr. Hindman gave a brief summary of his report highlighting the issue of the cooperative group comprised of the District, Denver Water Board and Metro Wastewater that will be meeting to discuss common water issues and the District's attempt to monitor technology for treating stormwater.

9. Other Business

10. Announcements

Chairperson Pro Tem Nichol reminded the Board that the next scheduled meeting would be held on Thursday, April 21, 2011.

11. Adjournment

Chairperson Pro Tem Nichol adjourned the meeting at 1:59 p.m.