

**CLEAR CREEK FHAD AND MASTER PLAN
PROGRESS MEETING
MAY 1, 2006 10:30 AM**

UDFCD BOARD ROOM

Minutes

- An agenda (attached) was distributed and all attendees introduced themselves.
- Ben Urbonas (UDFCD) welcomed the new stakeholders to the meeting and noted that the intent of the meetings was to allow the stakeholders an opportunity to present overall goals for the Clear Creek drainageway.
- Craig Jacobson (ICON) summarized the action items from the last meeting. Craig mentioned that comments on the minutes had been received and the minutes had been updated. Craig mentioned that the finalized minutes would be posted on the website soon. Craig also mentioned that the project website was up and running and could be accessed through the UDFCD or ICON websites. Stakeholders should contact Craig if they request the internet address to also provide a link. Craig also mentioned that the additional stakeholders identified in the last meeting were contacted and invited to this meeting. Many of the new stakeholders were present at this meeting.
- Craig Jacobson provided an update on the hydrology report. Craig mentioned that the report was submitted to the District last week for review. The hydrology remained unchanged from the previous District studies. Discharges for the 2, 5, and 25 year storm events were interpolated or extrapolated from the published discharges. Ben Urbonas added that the hydrology reflected the adopted FEMA hydrology and the hydrology would not be modified for this project.
- Craig Jacobson presented an update as to the status of the FHAD. Craig mentioned that the hydraulic models have been created in Jefferson County from Sheridan Boulevard to just downstream of Coors. Craig showed the 100-year floodplain limits to the attendees. Craig mentioned that the floodplain was computed generated and had not been reviewed or smoothed at this time. Craig mentioned that there may be some areas where the floodplain may extend beyond the mapping limits. Specifically, that this may occur at Wadsworth Boulevard and in areas from Carr Street through Kipling Street. Ben Urbonas mentioned that the aerial maps should be looked at to see if mapping coverage exists to have the mapper extend the mapping. Craig said that the hydraulics were not yet completed and ICON would help identify if the mapping needed to be extended in any areas once the 100-year modeling was more finalized.
- Craig Jacobson also mentioned that some of the roadways between the channel and the irrigation ponds in Jefferson County potentially held back flood flows and could be considered levees. Craig asked the group for recommendations as to how to handle these areas. Bill DeGroot (UDFCD) suggested that they should be considered uncertified levees and modeled accordingly with respect to the FEMA guidelines.
- Craig Jacobson mentioned that there were several pedestrian bridges and railroad bridges along Clear Creek that had not been surveyed by the mappers. Craig

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mentioned that Ben Urbonas had given ICON authorization to proceed with the necessary field work to document the bridges. Craig mentioned that ICON personnel would prefer to drive the trail paths to the structures. Craig asked the stakeholders to identify the points of contact for access. It was identified that Craig should contact Ken Vaught (Coors), Steve Nguyen (Wheat Ridge), Vince Auriemma (Golden), and John Conn (Jefferson County), prior to accessing the bridges and driving on the trails.

- Craig Jacobson said that ICON would be starting the Problem ID portion of the Master Plan soon and opened the discussion for comments from the stakeholders as to the current problems. Ben Urbonas added that each stakeholder should consider the overall vision for the Clear Creek corridor for not just now, but years to come.
- Terry Barnhart (Hyland Hills Parks) discussed overall goals for the Hyland Hills Regional Park from Lowell Boulevard to Tennyson Street. Terry mentioned that Hyland Hills had received a grant for park planning. He added that a major goal was to make the park compatible with any major flooding from Clear Creek, however, he was unsure what that meant for restroom facilities or other park structures. He also expressed some concern with respect to conflicts a major overflow channel would have on existing irrigation canals that were instrumental to providing water for the parks and well as the overall park aesthetic appearance.
- Pat Dougherty (Arvada) mentioned that the Master Plan needed to look closely at the problems associated with Clear Creek at Sheridan Boulevard. In his opinion, the Ayres FHAD study through Adams County did not identify what was truly happening at Sheridan Boulevard. Additionally, a large pond had recently been filled east of Sheridan Boulevard and a significant amount to fill had also been placed to the north of the channel. Pat mentioned that the Master Plan should consider a way to put the Clear Creek overflows back into the main channel from I-76 to Sheridan Boulevard, rather than promoting the channelized north overflow route. Besharah Najjar (Adams County) added that a permit had been pulled from the County for the fill area and the fill was located outside of the regulatory floodway.
- Besharah Najjar mentioned that it was important that a feasible plan be established that can be implemented. Besharah added that floodplain preservation could be possible, but becomes difficult outside of the floodway limits. He suggested looking at possibilities and opportunities on a reach by reach basis and the County would help evaluate the alternatives.
- A discussion of floodplain preservation followed. Ben mentioned that ICON could obtain parcel data from the County to help evaluate preservation opportunities. Mark Pedrucci (Adams County Parks) mentioned that currently the Clear Creek corridor has not been identified as having many open space

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opportunities for the Parks Department. Areas surrounding the South Platte River have received the most focus.

- Scott Franklin (USCOE) mentioned that the COE would like to partner with local communities in preservation efforts. Scott mentioned that he recommended the Master Plan discuss 404 –permitting regulations and the COE’s authority with respect to work in the wetlands and floodplains.
- Craig Jacobson asked about the status of the Calabrese property for which a CLOMR was recently reviewed. Terry Barnhart (Highland Hills Parks) mentioned that it was his understanding that Richmond homes had pulled out of the project and lawsuits were ensuing against the Calabrese family.
- Carol Duecker (RTD) mentioned that the proposed Gold Line paralleled Clear Creek from east of Sheridan Boulevard to the South Platte River. Some fill in the floodplain would be needed for this project. Additionally, the US 36 line to Boulder would cross Clear Creek near the South Platte River. Carol mentioned that she had provided ICON with the “best available” alignment information at the last meeting.
- Dave Ridenour (City of Denver) mentioned that Denver would prefer the channel return to a more natural state through their reach.
- Steve Nguyen mentioned that the plan should consider the new Cabelas development and I-70 crossing. The plan should also consider the compatibility of the previously engineered plans at Kipling Street. Finally, Steve mentioned the areas of significant residential flooding should be looked at around 44th and 46th Streets.
- Bill DeGroot mentioned that the confluence area between Clear Creek and Lena Gulch should be looked at as there are still homes in the floodplain along Lena Gulch.
- Steve Nguyen added that Kipling is flooded during the 100-year event and will prohibit traffic in the area.
- Justin Werdel (CDOT) mentioned that most of the major arterials through the project reach are state highways and CDOT has the same concerns regarding overtopping as Steve Nguyen mentioned. Justin noted that the I-70/I-270 interchange was not shown correctly in the Ayres study. He also mentioned that scour issues exist on abutments and piers associated with the highway and ramps at I-25. Justin mentioned that he could provided ICON with some survey of the scour areas. Besharah Najjar mentioned that the Washington Street Bridge had scour issues as well.
- Ken Vaught mentioned that Coors did not have any formalized plans but was interested in the channelization and pond areas west of I-70.
- Vince Auriemma mentioned that the City of Golden still had intentions of building the trial systems shown on the old master plans. He also mentioned that

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there should be positive floodplain changes associated with the Washington and Ford Street bridge improvements. Vince asked if a flood warning system was still being considered, as the City of Golden would greatly benefit, since they would be the first community inundated during a flood.

- Ben Urbonas mentioned that the District would support and work closely with any communities interested in implementing a flood warning system. Ben mentioned that the District had the network in place to monitor the flood, however, the field infrastructure would need to be constructed and a warning plan would need to be developed. The initiative for the project would need to be completed by the communities impacted. Steve Nguyen added that flood warning was important with respect to community emergency preparedness plans.
- Bill DeGroot provided a summary of FEMA DFIRM status. Bill mentioned that the Adams County DFIRM was currently in the appeal process. After the appeal comments are addressed, the DFIRM would be submitted to the federal government for publication. Bill mentioned that the District had received a grant from FEMA to convert the Jefferson County DFIRM to the 1988 datum and the new Clear Creek FHAD will be incorporated into this study. The current grant is not large enough to complete the DFIRM, but it should be increased in the coming year. Bill mentioned that ICON was under contract to complete both the Adams County and Jefferson County DFIRMs.
- The next progress meeting was scheduled for May 25th, 9:00 AM UDFCD.

ACTION ITEMS:

1. ICON will contact the stakeholders this week to inform them of the schedule for completing the field survey work. The stakeholders will arrange access, if needed.
2. Justin Werdel (CDOT) will provide ICON survey information with respect to the scour areas of concern.

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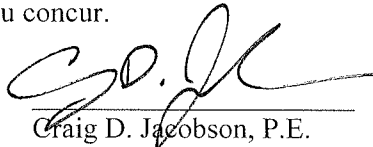
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- END OF MEETING--

To the best of my knowledge, these minutes are a factual account of the business conducted, the discussions that took place, and the decisions that were reached at the subject meeting. Please direct any exceptions to these minutes in writing to the undersigned within ten (10) days of the issue date appearing herein. Failure to do so will constitute acceptance of these minutes as statements of fact in which you concur.

Minutes prepared by:



Craig D. Jacobson, P.E.
ICON Engineering, Inc.

5-18-06

Date