

CLEAR CREEK FHAD AND MASTER PLAN

KICK-OFF MEETING

APRIL 5, 2006 2:00 PM

UDFCD BOARD ROOM

Minutes

Attendees: *(See attached Attendance List)*

MINUTES

- An agenda (attached) was distributed and all attendees introduced themselves.
- Ben Urbonas (UDFCD) provided a description of the scope of services for the project. Ben mentioned that the project included completing a Flood Hazard Area Delineation (FHAD) study from Sheridan Boulevard to upstream of Golden. Ben also mentioned that Phase A and Phase B Master Plan studies would be completed from the confluence with the South Platte River to upstream of Golden. Ben introduced ICON Engineering, as the selected consultant for the project.
- Doug Williams (ICON) introduced himself as the Principal-In-Charge for the project with ICON Engineering. Doug also introduced Craig Jacobson (ICON) as the project manager and Penn Gildersleeve as a principal at ICON who would be used in an advisory role since he completed the initial contacts for the proposal and presentation.
- A discussion on additional stakeholders that should be invited to subsequent meeting followed. It was recommended that EPA Region 8, the Cabella's Developer (Project 1), Hyland Hills Recreation District, and CDOT be invited to the subsequent progress meetings. It was decided that Ben Urbonas would contact the EPA and ICON would contact the remaining organizations. It was also decided not to include irrigation ditch companies at this time. They would be contacted on an individual basis, if the master plan alternatives conflict with their facilities. It was also mentioned that it would be necessary to involve each communities Parks and Recreation department and it was assumed that the attendees would get their parks department involved as needed as the project progressed.
- Carol Duecker (RTD) mentioned that their proposed I-36 and Gold Transit Lines will cross Clear Creek. Carol mentioned that they would share their files for this project. (Information was provided on RTD Transit lines after the meeting) Carol mentioned that URS was working on the I-36 line and CH2M Hill was working on the Gold Line. It was also mentioned that the RTD stations followed the tracks and several of them may be located within floodplains. It was mentioned that the Public, including individuals involved with the Clear Creek study would have an opportunity to comment on the RTD plans after release of the Environmental Impact Study (EIS).
- Points of contact were discussed. Unless otherwise noted, the points of contacts would be the attendees at the meeting. Mike Vanatta (Jefferson County) mentioned John Conn would be the point of contact for Jefferson County. Doug Williams indicated Craig Jacobson would be the point of contact for ICON. Ben Urbonas mentioned that all correspondence should go through him, with a carbon copy (Cc) to Dave Bennetts.
- Penn Gildersleeve (ICON) discussed the status of the Map Check through the FHAD reach. Penn mentioned that the map check passed all of the requirements for contours. However, up

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to three checks of the spot elevations were off between 0.5 to 1.0 foot. Ben Urbonas stated that the spot elevations checks were real sensitive to where the surveyor shoots the elevation and he expected that the mapping would be acceptable for use in this study. Ben also mentioned that he expected the bridge data from the mapper at any moment. Hopefully he would have the information by next week.

- Hard copies of the project website were distributed (attached). Craig Jacobson mentioned that the website was nearly ready to be made public. It was decided that ICON would host the website and a link would be made available on the Districts website.
- Craig asked that comments on the website be provided by early next week, so that the website could be finalized and available by the end of the week.
- It was mentioned to use Besharah Najjar's name for the Adams County contact and include Dave Bennetts as a contact for UDFCD. It was also recommended to provide an email address for only Craig Jacobson at ICON, and all general comments from the website should also go through him.
- Files uploaded to the website would be in a PDF format.
- It was encouraged that the stakeholders provide links on their website to the Clear Creek project website. It was mentioned to contact Craig Jacobson, if communities or stakeholders wish to link to the website.
- A project schedule was presented (attached). Craig Jacobson provided a general explanation of when major items were anticipated to be submitted and published. Craig mentioned that the schedule generally followed ICON's contract with the District.
- Public input was discussed. It was recommended that public meetings/presentations be provided during the middle of the Phase A phase, end of the Phase A phase (draft report submittal), and at the end of the Phase B phase (draft report submittal). It was recommended to hold each meeting at two locations (one in Adams County and one in Wheat Ridge). It was mentioned that ICON's contract with the District consisted of up to 4 public meetings.
- It was asked who would handle mailings for the meetings. Ben Urbonas mentioned that each community should provide a list to the District and the District would complete the mailings.
- Craig Jacobson discussed the status of the hydrology report. Craig mentioned that the hydrology was not changed and reflected previous FHAD and Master Plan reports for Clear Creek. Craig mentioned that these studies were based on a US Army Corps of Engineers report dated in the 1960's or 1970's. Craig mentioned that there were some very minor discrepancies in discharges between the published FHAD reports and the original COE report. Craig mentioned that these discrepancies were minor and would not impact flood elevations. They were likely due to interpretation of published flow profiles. Craig mentioned that it was recommended to use the data presented in the District reports for consistency. This approach was agreed on by the attendees. Craig also mentioned that ICON would interpolate and extrapolate information for the 2-, 5-, and 25-year flow events to be used for the Master Plan. Craig anticipated that the hydrology report would be submitted to the District within 2 weeks.
- Besharah was mentioned that the hydrology for Clear Creek may be too high and not reflect the last 30 years of gage data that is available. Scott Franklin (US Army corps of Engineers)

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mentioned that the COE had more recently (15 years ago) updated the discharges along Clear Creek and he could obtain a copy of the report for the group. Ben mentioned that he did not wish to change the flows since they are consistent with the FEMA approved discharges and there are lots of requirements from FEMA for discharge changes.

- Scott Franklin said that he would not obtain the report unless requested by the group.
- Craig Jacobson discussed the status of the FHAD. Craig mentioned that ICON had begun modeling cross-sections, but was waiting on the bridge data. Craig asked about how to estimate the low flow channel below the water surface at the time of the flight. It was agreed that since the flight was completed in November, the flow would be minimal and flow area below the water surface should not impact the overall hydraulics. Ben Urbonas suggested evaluating the discharge on the day of the flight, to determine if the channel bottoms should be adjusted.
- Craig Jacobson asked which communities should be included in the FHAD cover. It was decided that all communities should be included on the FHAD cover, with the exception of Adams County. However, Adams County should be added with the Master Plan reports.
- It was mentioned that the FHAD appeared to cross within the City of Arvada. Ben Urbonas mentioned that if the channel was within Arvada, they should be invited to the meetings, as well.
- Copies of the previous Phase B Master Plans for Clear Creek were distributed to each stakeholder. Attendees were asked to review the proposed improvements and update the drawings by indicating what improvements had already been built, what recommendations still need to be implemented, and if new alternatives should be evaluated. Since these old Master Plans reflected existing utilities, attendees were requested to provide updated utility information, as well.
- Craig Jacobson mentioned that ICON's scope of services for the Master Plan included identifying utilities that could conflict with the proposed improvements. Craig handed out a listing of general public and private utilities that have been identified through the project area. He asked each stakeholder to provide a listing of any known utilities they were aware of that may conflict with improvements. Ken Vaught (Coors) mentioned that he has several contacts with the various irrigation ditch companies. He also mentioned that Coors has a gas line that crosses the creek and can get information on that. Besharah Najjar also mentioned that he had some information on Fiber Optic lines within the railroad ROW.
- Carol Duecker mentioned that the Union Pacific Railway could be considered a stakeholder. Craig Jacobson also mentioned the CWCB may be considered at future meetings.
- It was asked what railway went through Coors. Ken stated that it was a Coors rail line.
- Scott Franklin asked how final design is handled once the Master Plan is finished. Ben Urbonas mentioned that the improvements generally followed the "spirit" of the Master Plan.
- Scott Franklin also asked about the level of detail the Master Plan was using to address the wetlands. Ben Urbonas mentioned that it was a broad level of detail. Doug Williams added that ERO would use aerial maps and some site visits to help estimate the wetland locations. Penn Gildersleeve and Dave Bennetts discussed that the Lady's Truss Orchid that in the past could be found around Prospect Park in What Ridge, but has since disappeared due to the

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channel degradation. Scott Franklin also mentioned that this orchid was also located near the mouth of Clear Creek Canyon, by HGY 93.

- Ben Urbonas concluded the meeting encouraging the stakeholders to examine the project reach for other areas of interest that extend beyond flood control.
- A progress meeting was scheduled for Tuesday, April 25, 2:00 at the UDFCD.

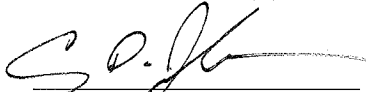
ACTION ITEMS:

1. ICON will prepare and distribute meeting minutes from this meeting for attendee comment.
2. Attendees will review the website handouts and provide comments to ICON by April 14th.
3. Attendees will review the old Master Plan and utility handouts and provide comments by the next progress meeting.
4. ICON will contact the additional stakeholders to invite them to the next progress meeting. Ben, Besharah, and Carol will provide help on contacts for the Union Pacific Railroad, EPA, and City of Arvada.

- 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.

4-28-06

Date