
**PROGRESS MEETING FOR
COAL CREEK AND ROCK CREEK (CCRC) MDP & FHAD
MEETING MINUTES**

Date: June 17, 2013
Location: City of Lafayette
Distributions: Agenda and Reach Maps

Attendees:

NAME	ORGANIZATION
Claire DeLeo	Boulder County
Justin Gindlesperger	Boulder County
Rebecca Baker	City of Broomfield
Peter Johnson	City of Lafayette
Jeff Moline	City of Lafayette
Cameron Fowlkes	City of Louisville
Amy Cornelius	RESPEC
David Delagarza	RESPEC
Teresa Patterson	RESPEC
Alex Ariniello	Town of Superior
David Heinrich	Town of Superior
David Mallory	UDFCD
Dave Skuodas	UDFCD
Shea Thomas	UDFCD

I. Purpose

The purpose of this meeting was to review the preliminary floodplains along Coal Creek and Rock Creek upstream of Baseline Road with the project sponsors and to kick off the Alternatives Analysis Phase.

II. Preliminary Floodplain Results

RESPEC received the first half of the 2-foot topography mapping in December for Lower Coal Creek and Rock Creek. They received the second half in March for Upper Coal Creek. Since then, RESPEC has been working on the hydraulic models and delineating the 100- and 500-year floodplains in phases. Coal Creek north of Baseline Road has been technically reviewed by UDFCD. The remaining study area will be submitted to UDFCD for the first technical review in 2 weeks.

The preliminary floodplain results upstream of Baseline Road were projected over a Google Earth aerial. A few areas of interest were highlighted in the discussion as we stepped along the drainageway, looking at the floodplain limits on screen. Some of the notable areas discussed were:

Coal Creek

- RESPEC to check the Coal Creek floodplain results north of Baseline Road through Lafayette near the waterwater treatment plant.
- The confluence area is showing to 2 flow splits from Rock Creek to Coal Creek, but not from Coal to Rock. Because this is the last area to study, the hydraulic analysis is still very preliminary.
- Floodplain south of Coal Creek west of the railroad (near Reach 23) is under development and the wide floodplain may be an issue.
- The FEMA effective floodplain along Coal Creek west (upstream) of US 287 currently shows a flow split. The RESPEC results are showing that there is no flow split.
- Through the Coal Creek Golf Course in Superior, several houses are within the 100-year floodplain limit. RESPEC to look at these areas again and verify results. Additional survey near these buildings may be necessary to confirm the floodplain limits.
- Coal Creek west of McCaslin Blvd is known to have multiple flow splits and complex flooding problems. RESPEC has not utilized the CH2M Hill study results to validate the hydraulic model yet. Superior to start the design of the 2nd Avenue bridge soon.

Rock Creek

- The area near the Northwest Pkwy and US 287 (Reaches 45 & 46) is indicating 2 shallow flooding flow splits caused by a lack of containment at the upstream faces of 2 bridges/culverts. David Mallory may have LOMR files for this area. RESPEC will review those for additional clues.
- Floodplain results showing houses east of Midway Blvd (Reach 49) in the floodplain. RESPEC to confirm.
- The area north of Flat Irons Mall (Reach 50) has an old oxbow that appears to be affected by back water, but not active flood conveyance. David Mallory may have LOMR files for this area. RESPEC will review those for additional clues.
- UDFCD just completed improvements west of Flat Iron Crossing Drive south of the Superior wastewater treatment plant (DS portion of Reach 51). RESPEC to obtain information from Dave Skuodas to confirm that the project mapping is reflecting the finished construction project. David Mallory has the CLOMR also. Possible that the new bridge may not be in the current model.

The US 36 crossings over Coal Creek and Rock Creek were discussed. Because the Rock Creek culverts will most likely be constructed with the US 36 Phase 1 project before the completion of this study, the newer structure (geometry based off of plans obtained from CDOT's design-build team) was incorporated in the hydraulic model. Because the design of the US 36 Phase 2 culvert along Coal Creek will most likely not be completed prior to completion of the FHAD, the existing culvert is included in the model instead.

III. Alternatives Analysis Process

An overview of the alternatives analysis process was discussed:

1. Problem identification
2. Initial screening matrix
3. Alternate plan development with cost estimates

4. Recommended plan for each reach

The reach maps were developed to break the sections into manageable chunks that had similar channel geometry, symptoms, and would most likely have the same improvement approach throughout. Jurisdictional boundaries and other land marks were used to define the break locations. Some of the reaches may be combined while others may be further subdivided if necessary.

The group discussed holding a workshop-style meeting to talk about the problem areas with each individual jurisdiction. Each group will have a 30 minute slot to meet with RESPEC and UDFCD and the primary focus will be discussing the problem areas identified. The schedule will allow a bit of overlap between bordering municipalities to cover the boundary areas that may affect both jurisdictions.

The alternatives screening process was discussed briefly to explain that it will help short-list the best alternates to further evaluate for the alternatives analysis.

IV. Schedule

- Next FHAD Technical Review submittal to UDFCD – 2 weeks.
- FHAD report and floodplain results to project sponsors for review – Approximately 2 months.
- Alternatives Workshop meeting discussing problem areas – End of July
- Another Alternatives progress meeting – End of August
- Draft Alternatives Report – End of September

V. Action Items

Action items:

Project Sponsors

- Dave Mallory: Gather CLOMR/LOMR files for:
 - Northwest Pkwy at Rock Creek
 - Rock Creek oxbow north of Flat Iron Crossing Drive
 - Rock Creek west of Flat Iron Crossing Drive
- Shea to check availability of UDFCD board room the last week of July.
- Project sponsors to prepare for workshop and bring list of known problems they want addressed in the alternatives analysis.

RESPEC

- Revisit noted areas to verify floodplain results.
- Schedule workshop meeting.
- Review drainageway and identify possible problem areas.