

Comment Report: All Comments

Project: Fargo Moorhead Metro - Reach 4 Design by MVK

Review: PER - Rush River DQC

Displaying 14 comments for the criteria specified in this report.

<b>Id</b>	<b>Discipline</b>	<b>DocType</b>	<b>Spec</b>	<b>Sheet</b>	<b>Detail</b>
4765405	General	Other	n/a'	Page 2	Section 1.5

Comment Classification: N/A

([Document Reference: Preliminary Engineering Report, Reach 4](#))

**Coordinating Discipline(s):** General

Reference documents are not accessible by either link provided. The USACE link says, "access denied" and the Outside USACE link requires a username and password. Please repair the link or remove the reference to the site.

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

Access needs to be granted to reviewers for links to work. Links will be removed in final, public, versions of the document.

Submitted By: [Donald Duncan](#) (314-331-8809) Submitted On: Aug 21 2012

**1-1 Backcheck Recommendation Close Comment**

OK, thanks for the explanation. Comment closed.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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4765410	General	Other	n/a'	Page 6-7	Section 2.2
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Comment Classification: N/A

([Document Reference: Preliminary Engineering Report, Reach 4](#))

**Coordinating Discipline(s):** General

Figure 2 is a useful location map, but it would also be helpful to have a plan view of the proposed structure upfront in the report, because it is difficult to see how all of the features (described in the sub-sections) fit together in the system without a picture or plan sheet.

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

A note was added to the end of Section 2.2 pointing the reader to Appendix E, Attachment 1, Sheet CS151, which is a plan view drawing of the entire drop structure and related diversion channel segment.

Submitted By: [Donald Duncan](#) (314-331-8809) Submitted On: Aug 22 2012

**1-1 Backcheck Recommendation Close Comment**

OK. Comment closed.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

4765416 Environmental Other n/a' Page 8 Section 2.2.5

Comment Classification: N/A

(Document Reference: Preliminary Engineering Report, Reach 4)

**Coordinating Discipline(s):** Cultural Resources

This is a very long list of environmental considerations, with an item about cultural resources tacked on at the end. Besides being a very long sentence, it might be a good idea to split the two topics (environmental and cultural) into separate sentences (if not separate sections).

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

revised as two sentences....Environmental considerations which will be .....and an outlet structure designed for fish passage. In addition, monitoring for Cultural Resources, by a qualified professional archeologist, will be required during construction that occurs within 300 feet of the Red River.

Submitted By: [Ken Cook](#) (314-331-8498) Submitted On: Aug 20 2012

**1-1 Backcheck Recommendation Close Comment**

Sounds good. Comment closed.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

**2-0 Evaluation Concurred**

check

Submitted By: [Ken Cook](#) (314-331-8498) Submitted On: Mar 07 2013

**2-1 Backcheck Recommendation Close Comment**

Comment was Closed in Aug 2012.

Submitted By: [Joseph Mose](#) (651-290-5567) Submitted On: Oct 10 2013

Current Comment Status: **Comment Closed**

4765422 General Other n/a' Page 9 Table 1 & 2

Comment Classification: N/A

(Document Reference: Preliminary Engineering Report, Reach 4)

**Coordinating Discipline(s):** Hydraulics

It is not very clear what the items in this table are referring to; "Outlet" is not very descriptive, without a statement of what it is the outlet "to". Drain 29 and 30 were not mentioned previously in the report, and are not shown in the figures above. Therefore, the table needs a much better description or explanation in the text. (Note: The H&H PDT member informed me that the report on Projectwise contains the incorrect version of Section 3, and he sent it to me for review.)

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

Section 3 has been replaced with the correct version in the document.

Submitted By: [Donald Duncan](#) (314-331-8809) Submitted On: Aug 21 2012

**1-1 Backcheck Recommendation Close Comment**

Understood, discussed previously with PDT member.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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4765431 Hydraulics Other n/a' Page 12 Section 5.3

Comment Classification: N/A

(Document Reference: Preliminary Engineering Report, Reach 4)

**Coordinating Discipline(s):** Hydraulics

The Rush River Inlet drop section is described in the text as having 19 feet of overall vertical drop, but the depth of the drop is 13.2 feet on the Rush River Profile Plot on Sheet CS-251 (in the accompanying document containing drawings). The 660-foot length of the overall drop, with 30-foot long steps, means that there are 22 steps. If each step drops 0.6 feet, that would be 13.2 feet overall, which is confirmed by the invert elevations on the Profile plot. Please explain if the "19 ft" in this paragraph refers to something else, or if it needs to be revised.

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

The report has been updated to match the drawings.

Submitted By: [Donald Duncan](#) (314-331-8809) Submitted On: Aug 21 2012

**1-1 Backcheck Recommendation Close Comment**

Thanks; comment closed.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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Comment Classification: N/A

(Document Reference: [Preliminary Engineering Report, Reach 4, Appendix C](#))

**Coordinating Discipline(s):** Hydraulics

Same comment on the main report applies to the hyperlinks here (reference documents return "access denied", or request a username and password). Please fix link or remove.

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

Access needs to be granted to reviewers for links to work. Links will be removed in final, public, versions of the document.

Submitted By: [Donald Duncan](#) (314-331-8809) Submitted On: Aug 21 2012

**1-1 Backcheck Recommendation Close Comment**

Thanks, comment closed.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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Comment Classification: N/A

(Document Reference: [Preliminary Engineering Report, Reach 4, Appendix C](#))

**Coordinating Discipline(s):** Hydraulics

The table could use a footnote or two, or possibly better headings to define the channel location that each piece of data refers to.

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

Table headings were modified to more clearly define the locations the data represent. "Peak Discharge" was changed to "Peak Rush River Discharge". "Head Water Elev." was changed to "Rush River Elev." "Tailwater Elev." was changed to "Diversion WS Elev."

Submitted By: [Donald Duncan](#) (314-331-8809) Submitted On: Aug 21 2012

**1-1 Backcheck Recommendation Close Comment**

Sounds good. Closed.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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4765442    Hydraulics                    Other                    n/a'                    Page C-3    Section C.3.2, first paragraph

Comment Classification: N/A

(Document Reference: Preliminary Engineering Report, Reach 4, Appendix C)

**Coordinating Discipline(s):** Hydraulics

I am unfamiliar with the phrase "daylight the channel". Can this be explained further in this section?

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

The sentence "Side slopes of 1 on 7, determined by preliminary geotechnical analysis, were used to daylight the channel." was changed to "Side slopes of 1 on 7, determined by preliminary geotechnical analysis, were used to extend the slopes to the natural ground surface. Side slopes of 1 on 7 were also used for the spoil banks along both sides of the realigned channel."

Submitted By: [Donald Duncan](#) (314-331-8809) Submitted On: Aug 21 2012

**1-1 Backcheck Recommendation Close Comment**

Thanks. Comment closed.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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4765444    Hydraulics                    Other                    n/a'                    Page C-3    Section C.3.2, second paragraph

Comment Classification: N/A

(Document Reference: Preliminary Engineering Report, Reach 4, Appendix C)

**Coordinating Discipline(s):** Hydraulics

The "nine rock weirs" upstream of the inlet are not shown anywhere that I can see in the accompanying drawings for this review. Is it possible to include a plan sheet or other image showing these features, and their location in relation to the other stair-stepped fish passage structures?

Submitted By: [John Boeckmann](#) (314-331-8801). Submitted On: Aug 07 2012

**1-0 Evaluation Concurred**

A figure has been added to Appendix C to show a conceptual sketch of the rock wier cross section. Additionally, notes were added to Appendix E Attachment 1, sheets CS151 and CS451 to show the general location of these features. Additional detail will be added as the design progresses.

Submitted By: [Donald Duncan](#) (314-331-8809) Submitted On: Aug 22 2012

**1-1 Backcheck Recommendation Close Comment**

Thanks. Comment closed.

Submitted By: [John Boeckmann](#) (314-331-8801) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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4767150 Environmental Other n/a' n/a n/a

Comment Classification: N/A

**Coordinating Discipline(s):** Environmental

The Environmental Review of Appendix K: Environmental, Attachment K-1: Planting Plan, and Attachment K-2: Fish Passage have been completed. Appendix K: Environmental, and Attachment K-2: Fish Passage were well-written. Attachment K-1: Planting Plan contained many awkward sentences and rewording was suggested. This review resulted in no technical comments for entry into DrChecks. Editorial comments have been provided to Environmental PDT member Ken Cook.

Submitted By: [Teri Allen](#) (314-331-8084). Submitted On: Aug 08 2012

**1-0 Evaluation Concurred**

none

Submitted By: [Ken Cook](#) (314-331-8498) Submitted On: Aug 13 2012

**1-1 Backcheck Recommendation Close Comment**

N/A

Submitted By: [Teri Allen](#) (314-331-8084) Submitted On: Aug 15 2012

Current Comment Status: **Comment Closed**

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4772145 Civil Other n/a' n/a n/a

Comment Classification: N/A

**Coordinating Discipline(s):** Civil

No comment

Submitted By: [John Osterhage](#) (314-331-8255). Submitted On: Aug 10 2012

**1-0 Evaluation Concurred**

No comment noted

Submitted By: [Michael Hanks](#) (314-331-8252) Submitted On: Aug 14 2012

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [John Osterhage](#) (314-331-8255) Submitted On: Aug 22 2012

Current Comment Status: **Comment Closed**

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4773956 Geotechnical Design Memorandum or Report n/a' Page Dii n/a

Comment Classification: N/A

(Document Reference: [PER Appendix D: Geotechnical Engineering and Geology](#))

The table of contents for "Tables" has not been updated recently. An error message is present.

Submitted By: [Jose Lopez](#) (314-331-8448). Submitted On: Aug 13 2012

**1-0 Evaluation Concurred**

The table of contents will be updated for the ATR review.

Submitted By: [Nathan Rose](#) (314-331-8443) Submitted On: Aug 22 2012

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jose Lopez](#) (314-331-8448) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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4773973 Geotechnical Design Memorandum or Report n/a' Page D-4 n/a

Comment Classification: N/A

(Document Reference: [PER Appendix D: Geotechnical Engineering and Geology](#))

Table D-2: Section Geometry is referenced but not included in the report. Recommend that a table summarizing the general geometry of the stability sections analyzed be included.

Submitted By: [Jose Lopez](#) (314-331-8448). Submitted On: Aug 13 2012

**1-0 Evaluation Concurred**

The table will be added to the ATR submittal.

Submitted By: [Nathan Rose](#) (314-331-8443) Submitted On: Aug 22 2012

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jose Lopez](#) (314-331-8448) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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4774444 Geotechnical Design Memorandum or Report n/a' n/a n/a

Comment Classification: N/A

**Coordinating Discipline(s):** Geotechnical

Remember to include the attachment with the GeoStudio stability plates in the ATR submittal folder.

Submitted By: [Jose Lopez](#) (314-331-8448). Submitted On: Aug 13 2012

**1-0 Evaluation Concurred**

Attachment D-4 will be included with the ATR submittal.

Submitted By: [Nathan Rose](#) (314-331-8443) Submitted On: Aug 22 2012

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jose Lopez](#) (314-331-8448) Submitted On: Aug 23 2012

Current Comment Status: **Comment Closed**

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