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Appendix L: Quality Control

Fargo Moorhead Metropolitan Area
Flood Risk Management Project

Reach 4 Diversion Channel and Rush River Inlet/Drop Structure

Engineering and Design Phase

P2# 370365

Doc Version: Post FTR Submittal

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Appendix L: Quality Control

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ATTACHMENTS

Attachment L-1	DrChecks Summary of Reviews
Attachment L-2	Preliminary Engineering Report DQC Review Comments and Responses
Attachment L-3	Preliminary Engineering Report – Rush River DQC Review Comments and Responses
Attachment L-4	Preliminary Engineering Report ATR Review Comments and Responses
Attachment L-5	Preliminary Engineering Report Rush River Structure ATR Review Comments and Responses
Attachment L-6	Preliminary Engineering Report Sponsor Review Comments and Responses
Attachment L-7	Preliminary Engineering Report Rush River Sponsor Review Comments and Responses
Attachment L-8	Preliminary Engineering Report Consistency Review Comments and Responses
Attachment L-9	DTR DQC Review Comments and Responses
Attachment L-10	DTR ATR Review Comments and Responses
Attachment L-11	DTR Sponsor Review Comments and Responses
Attachment L-12	DTR Consistency Review Comments and Responses
Attachment L-13	FTR DQC Review Comments and Responses

Attachment L-14	FTR ATR Review Comments and Responses
Attachment L-15	FTR Sponsor Review Comments and Responses
Attachment L-16	FTR Consistency Review Comments and Responses

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Appendix L: Quality Control

L.1 GENERAL

The Quality Management Plan (QMP) for Reach 4 can be found in Appendix E of the Reach Management Plan for Reach 4. The Review Management Plan (RMP) can be found in Appendix F of the same document. The QMP and RMP define the types of reviews that will take place, the documents that will be reviewed, and specific points in the design process that the reviews will occur. The Review Plan for the overall Fargo Moorhead Metro (FMM) Flood Risk Management project was completed by the Project Management Team and approved by the Risk Management Center.

L.2 REVIEWS TO BE CONDUCTED FOR REACH 4 DIVERSION CHANNEL AND RUSH RIVER INLET/DROP STRUCTURE

L.2.1 District Quality Control (DQC) Review of PER Submittal

District Quality Control Reviews will be performed on all engineering and design products as required by EC-1165-2-209 and the Review Plan.

L.2.2 Agency Technical Review (ATR) of PER Submittal

Agency Technical Reviews will be performed on all engineering and design products as required by EC-1165-2-209 and the Review Plan.

L.2.3 Independent External Peer Review (IEPR)

Since Reach 1 and the Outlet Structure are initial products that will be designed to P&S level for the FMM Project, a Type I IEPR will be conducted on this Reach.

L.2.4 Lessons Learned and After Action Reviews

Prior to start of designs, Design Engineers will review lessons learned from available databases and files that are pertinent and will assure they are considered for incorporation into the engineering and design products being prepared.

L.2.5 Final Product Quality Review Certifications

Upon completion of each design product or deliverable, the Project Engineer will perform a final product quality review and prepare a quality review certificate.

L.3 REVIEW DOCUMENTATION

The attachments at the end of this Appendix document the status of the reviews that have occurred and will be updated as reviews are completed and closed out.