ADDENDUM NUMBER 1

ESTABROOK DAM
REHABILITATION
Site #687
4400 North Estabrook Park Drive
Milwaukee, WI

Project Number: P063-10605

Notice Number: 7106

Date of Addendum: June 10, 2016

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated May 25, 2016, and is hereby made part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form, or bid may be rejected.

PROJECT BIDDING, CONTRACT DOCUMENTS, AND DRAWINGS

Bid Form, Document 00410:

Change language for Bid Item 7.1 to the following:

> "7.1 Removal and disposal of debris on the upstream side of the gated structure, ice breakers and spillway ***including the stockpile of debris on the left bank of the river***."

Project Manual:

Add to project manual the following appendix:

1. WDNR letter dated May 23, 2016, providing plan and Chapter 31 permit approval. *Contractor shall abide by all permit conditions.* (7 pages)

2. Picture of the inside of the dam gate control bunker with electrical equipment. (Pictures are also posted on Milwaukee County website – 3 pages)

3. Estabrook Dam Rehabilitation EIM Gate Actuator Information (1 page).

4. Attendance sign-in sheet from June 9, 2016 pre-bid meeting (2 pages).

End of Addendum No. 1

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Southeast Region
141 NW BARSTOW
Waukesha WI 53188

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 262-574-2188
Toll Free 1-888-936-7463
TTY Access via relay - 711

May 23, 2016

IP-SE-2009-41-06757
IP-SE-2015-41-04509

Mr. John Dargle Jr., Director
Milwaukee County Parks, Recreation and Culture
9480 Watertown Plank Rd
Wauwatosa WI 53226

Expedited delivery via email: john.dargle@milwcnty.com

Subject: Plan approval for repair/reconstruction of the ESTABROOK PARK Dam across the Milwaukee River, NW ¼ of the NE ¼, Section 5, Township 7 North, Range 22 E, Milwaukee County, Wisconsin.

Dear Mr. John Dargle Jr.,

The Department of Natural Resources has received the plans, specifications and fish passage design, dated May 25, 2016, titled "*Estabrook Dam Rehabilitation*", completed under the professional seal of AECOM – David A. Atkins, P.E.

Based on the above submittal, the plans and specifications for the ESTABROOK PARK Dam are approved in accordance with the conditions listed in the attached document. A copy of the document must be posted for reference at the project site. Please read the plan approval conditions carefully so that you are fully aware of what is expected of you.

The following must be submitted to this office for review and approval no later than five working days prior to the beginning of work:

- **Final water management plans, including any dewatering.**
- **Final erosion control plans (i.e. construction sequence, stabilization, implementation details, etc.).**
- **Final coffer dam plans and specifications.**
- **Final shop drawings for rock anchors and glycol heaters prior to installation. Other work items may begin prior to this submittal.**

Please note that State Statute requires you to submit a verified statement indicating that the dam was constructed in accordance with the plans and specifications approved by the Department, as well as photographs depicting the construction progress and its completion. These items will need to be submitted within 10 days after construction has finished.

Estabrook Dam is on the priority ranking for Wisconsin's 2011 Municipal Dam Grant Program and a 2015 Municipal Dam Grant. Please refer to the flow chart and timelines that have been previously provided to ensure a successful project as it relates to the grant requirements. In particular, I will need to review construction bids prior to award.

If you have any questions regarding this letter or the plan approval (with conditions) please feel free to contact me at 262-574-2188 or via email at Nathan.Zoch@Wisconsin.gov.

Sincerely,

Nathan Zoch
Water Management Engineer
Waukesha Service Center

Cc: David A. Atkins, P.E. – AECOM (email)
Charles D. Dean P.E. – AECOM (email)
Karl Stave P.E. – Milwaukee County (email)
Meg Galloway, P.E. – DNR (email)
Kari Beetham – DNR (email)
Michelle Scott – DNR (email)

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

Dam Repair/Reconstruction Plan Approval
IP-SE-2009-41-06757
IP-SE-2015-41-04509

Mr. Karl Stave submitted an application on behalf of Mr. John Dargle Jr., Milwaukee Co. Dept. of Parks, Recreation and Culture that was received on November 30, 2015 to repair/reconstruct the ESTABROOK PARK Dam across the Milwaukee River, NW ¼ of the NE ¼, Section 5, Township 7 North, Range 22 E, Milwaukee County, Wisconsin. Plan approval conditionally granted and Order issued.

FINDINGS OF FACT

THE DEPARTMENT OF NATURAL RESOURCES FINDS THAT:

1. Mr. Karl Stave has filed an application on behalf of Mr. John Dargle Jr., Milwaukee Co. Dept. of Parks, Recreation and Culture for a plan approval to repair/reconstruct with fish passage the ESTABROOK PARK Dam.

2. The final plans, specifications and fish passage design are dated May 25, 2016, which were completed by and under the professional seal of AECOM – David A. Atkins, P.E.

3. This plan approval includes the authorization to construct a fish passage structure on the upstream left side of the gated spillway. The fish passage consists of a compound weir approximately 65 ft. in length perpendicular to the river bank and a lateral spillway approximately 168 ft. in length constructed parallel to the left bank connected to pier five. Downstream from the compound weir a series of seven bolder weirs and two structural weirs create riffles and pools that gradually slope to bed rock upstream of gated piers 1 through 4 where the four gates will be removed. The repairs include but are not limited to concrete repairs to the gated section, piers, spillway, icebreakers and installation of rock anchors through the concrete piers. Gate repairs and riprap for erosion and bank stabilization on the upstream and downstream sides of the dam are also included in the project.

4. The ESTABROOK PARK Dam has an assigned hazard rating of Low hazard. Under chapter NR 333, Wis. Admin. Code, a Low hazard dam must be capable of passing the flow of the river at submergence without overtopping.

5. The Department has completed an investigation of the project site and has evaluated the project as described in the application, plans, and specifications.

6. Department environmental staff have determined that the proposed project, if constructed in accordance with conditions in the Order will not adversely affect water quality, will not increase water pollution in surface waters, and will not cause environmental pollution as defined in section 283.01 (6m), Wis. Stats.

7. Department environmental staff have determined that the Milwaukee River is navigable at the location of the dam. The proposed project will not adversely affect public rights in navigable water and will not endanger life, health, and property upon compliance with the conditions in the Order.

8. Department staff have determined that the operation and maintenance of the ESTABROOK PARK Dam and flowage are in the public interest considering ecological, aesthetic, economic, and recreational values, provided compliance with the conditions in the Order.

10. This project has been approved to receive reimbursement from the Municipal Dam Grant.

CONCLUSIONS OF LAW

1. The application review has been conducted in accordance with chapter 31, Wis. Stats., and chapter NR 333, Wis. Admin. Code.

2. The Department has complied with the requirements of section 1.11, Wis. Stats., and section NR 1.95.

PLAN APPROVAL FOR REPAIR/RECONSTRUCTION

THE DEPARTMENT HEREBY THEREFORE DOES ISSUE AND GRANTS:

To Mr. John Dargle Jr., a plan approval under section 31.12, Wis. Stats., to repair/reconstruct the ESTABROOK PARK Dam across the Milwaukee River, NW ¼ of the NE ¼, Section 5, Township 7 North, Range 22 E, Milwaukee County, Wisconsin, subject to the conditions of the Order which hereinafter follows.

ORDER

THE DEPARTMENT OF NATURAL RESOURCES, THEREFORE, ORDERS:

1. The final coffer dam design and water management plan will need to be prepared by a professional engineer registered in Wisconsin and submitted to the Department for review and approval prior to placing the coffer dam or diversion. This will include provisions for passing minimum flow downstream during construction.

2. Final shop drawings for rock anchors and glycol heaters and the proposed location for the automated flow gage must be submitted to the Department for review and approval at least five working days before installation.

3. You must notify Nathan Zoch at 262-574-2188 or via email Nathan.Zoch@Wisconsin.gov at least five days before starting construction and again not more than five days after the project is complete. If a pre-construction meeting is scheduled, you must notify Nathan Zoch at least five days before the meeting.

4. This plan approval does not authorize any other work that is not included in the plans dated May 25, 2016, under the professional seal of AECOM – David A. Atkins, P.E. If you wish to alter the project or approval conditions, you must first obtain written approval from the Department.

5. The approved plans are not transferrable, and shall become null and void unless the repairs are completed within two years from the date the plans were approved. If the project is not completed by this date, you must submit a written request for an extension prior to the expiration date of the plan approval. Your request must identify the requested extension date and the reason for the extension. An extension may be granted, for good cause, by the Department. You may not begin or continue construction after the original expiration date unless the Department grants a new plan approval or extension in writing.

6. The impoundment shall not be refilled until all repairs are complete. The impoundment shall remain drawdown until the Department provides written authorization that requirements of this order are complete.

7. Minimum low flow in compliance with section 31.34, Wis. Stats., or any existing Operating Order, must be passed at all times for the duration of the project. The project must pass the flow of the river during critical spawning seasons.

9. Storage of construction materials shall be outside of any wetland, mapped floodplain, or above the ordinary high water mark of the river.

10. You are responsible for obtaining any Local, State, or Federal permits or approvals prior to beginning the project.

11. Upon notice, you shall allow access to your project to any Department employee who is investigating the project's construction, operation, maintenance or plan approval compliance.

12. The Department may modify or revoke this plan approval if the project is not completed according to the terms of the plan approval, or if the Department determines the activity is detrimental to the public interest.

13. You must post a copy of this plan approval at a conspicuous location on the project site. For at least five days prior to construction, and remaining at least five days after construction. You must also have a copy of the approval, plans and specifications available at the project site at all times until the project is complete.

14. Your acceptance of this plan approval and efforts to begin work on this project signify that you have read, understood and agreed to follow all conditions of this approval.

15. You must submit a series of photographs to the Department, within 10 business days of completion of work on the site. The photographs must be taken from different vantage points and shall depict all work authorized by this plan approval.

16. Section 31.12(4), Wis. Stats., requires a verified statement to be filed with the Department within 10 days after completion of the repairs to the dam, stating that it was constructed in accordance with the plans and specifications approved by the Department.

17. On-site inspection by a professional engineer registered in Wisconsin shall be performed periodically and during the critical stages of construction. Critical stages are considered anytime that the work performed will be covered and cannot be inspected at a later time. Weekly inspection reports including photographs or video shall be submitted by the inspecting registered engineer.

18. Two hard copies and an electronic copy of signed and sealed record drawings and specifications shall be submitted to the Department within 30 business days after the completion of work on the site.

19. The Department shall retain jurisdiction during construction for the purpose of monitoring water quality and shall cause the applicant to install such devices or make such modifications to the dam and flowage as may be reasonably necessary to protect water quality in the Milwaukee River and prevent violation of the water quality standards enumerated in chapter NR 102, Wis. Admin. Code. If water quality standards are violated during construction and no feasible method is available to prevent such violation from continuing, the Department shall initiate proceedings for the revocation of the plan approval herein issued.

20. The final erosion control plans, construction sequence, and dewatering details must be submitted to the Department for review and approval no later than five working days prior to beginning work.

21. The sponsor shall implement and maintain proper soil erosion and sediment control best management (BMPs) practices during construction of the project. Erosion and sediment control BMPs shall be accomplished using the guidelines in the Department construction site erosion and sediment control technical standards available via the internet at http://dnr.wi.gov/topic/stormwater/. BMPs shall be properly installed, inspected, and maintained to function as intended until the project site is stabilized. All temporary erosion and sediment control practices (e.g. silt fence, etc.) shall be removed once the construction site has undergone final stabilization.

22. Construction sites disturbing one or more acres of land require coverage under a Department construction site storm water discharge permit prior to commencing any land disturbing construction activity. Construction sites disturbing less than one acre but more than 10,000 square feet on the bank of a navigable waterway may require coverage under a Department chapter 30, Wis. Stats. grading permit. Both of these permits require site specific erosion and sediment control plans prepared by the sponsor.

23. Appropriate erosion and sediment control measures must be in-place prior to clearing the site and effective during every phase of the project. Erosion and sediment control measures must be in place at the end of each working day. Erosion and sediment control measures must be inspected within 24 hours after every rainfall exceeding one-half inch and at least once per week. Necessary repairs or replacement of erosion and sediment control measures must be made within 24 hours after inspection.

24. You must maintain a written report of the erosion control inspections, including a description of maintenance performed. The reports must be made available to Department personnel upon request and remain on the project site while work is being performed.

25. Stabilization of disturbed soils in the non-growing season (e.g., between October 1st and April 15th) requires the use of temporary measures including erosion matting, or land applied erosion control additives.

26. When a uniform perennial vegetative cover has been established with a density of at least 70 percent, or prior to at the direction of the Department, all temporary erosion and sediment control measures must be removed and disposed of properly. Any remaining temporary erosion and sediment control devices after this point constitute litter and may be enforced as determined necessary by the Department.

27. You, your agent, and any involved contractors or consultants may be considered a party to the violation pursuant to sections 31.23 and 31.99, Wis. Stats., for any violation of chapter 31, Wis. Stats. or this permit.

28. All equipment used for the project including but not limited to tracked vehicles, barges, boats, silt or turbidity curtain, hoses, sheet pile and pumps shall be de-contaminated for invasive and exotic viruses and species prior to use and after use. The following steps should be taken every time you move your equipment to avoid transporting invasive and exotic viruses and species. To the extent practicable, equipment and gear used on infested waters should not be used on other non-infested waters.

- **Inspect and remove** aquatic plants, animals, and mud from your equipment.
- **Drain all water** from your equipment that comes in contact with infested waters, including but not limited to tracked vehicles, barges, boats, silt or turbidity curtain, hoses, sheet pile and pumps.
- **Dispose** of aquatic plants, animals in the trash. Never release or transfer aquatic plants, animals or water from one water boy to another.
- **Wash your equipment** with hot (>104F) and/or high pressure water OR allow your equipment to **dry thoroughly for 5 days**.

29. This plan approval is for the repairs to the dam and the construction of a fishway. The approval does NOT constitute an approval of the proposed Operating plan submitted with the application documents.

30. The final "Remediation Agreement" with Wheaton Franciscan for this project and the Register of Deeds recorded docket number for the Wheaton Franciscan permanent easement must be submitted to the Department for review and approval at least five working days before installation.

31. Not more than 10 days after the completion of the repairs of the Estabrook Dam, the owner of the Estabrook Dam shall submit and Inspection, Operation and Maintenance Plan and an Emergency Action Plan to the Department for review and approval.

NOTICE OF APPEAL OF RIGHTS

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time period within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition to the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to section 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with section NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with section NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30 day period for filing a petition for judicial review.

This Decision was mailed on May 23, 2016.

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES
For the Secretary

By _____
Nathan Zoch
Water Management Engineer
Wisconsin Department of Natural Resources

By _____
Bill Sturtevant, P.E.
State Dam Safety Engineer
Wisconsin Department of Natural Resources

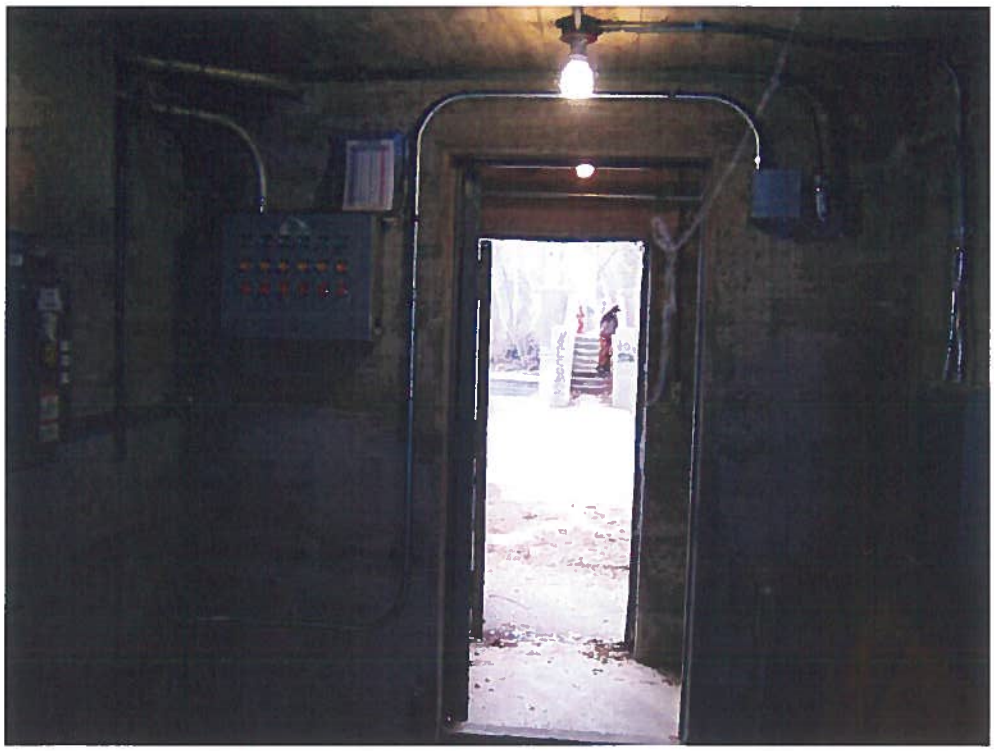

Photo 1: Looking out of the control bunker at the gated structure.

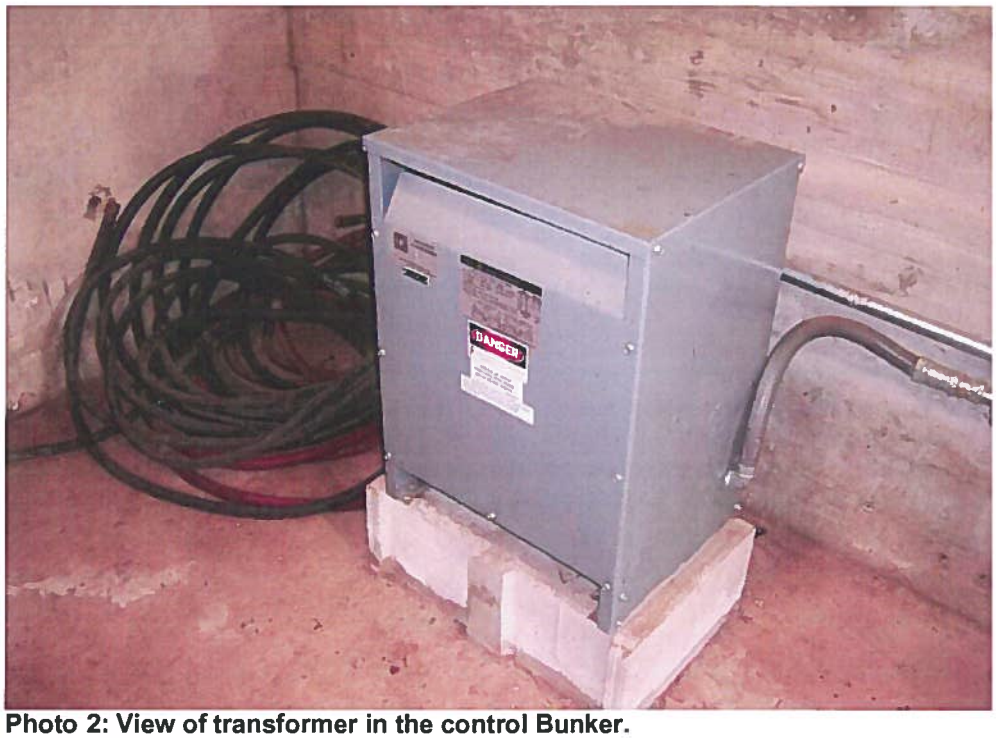

Photo 2: View of transformer in the control Bunker.

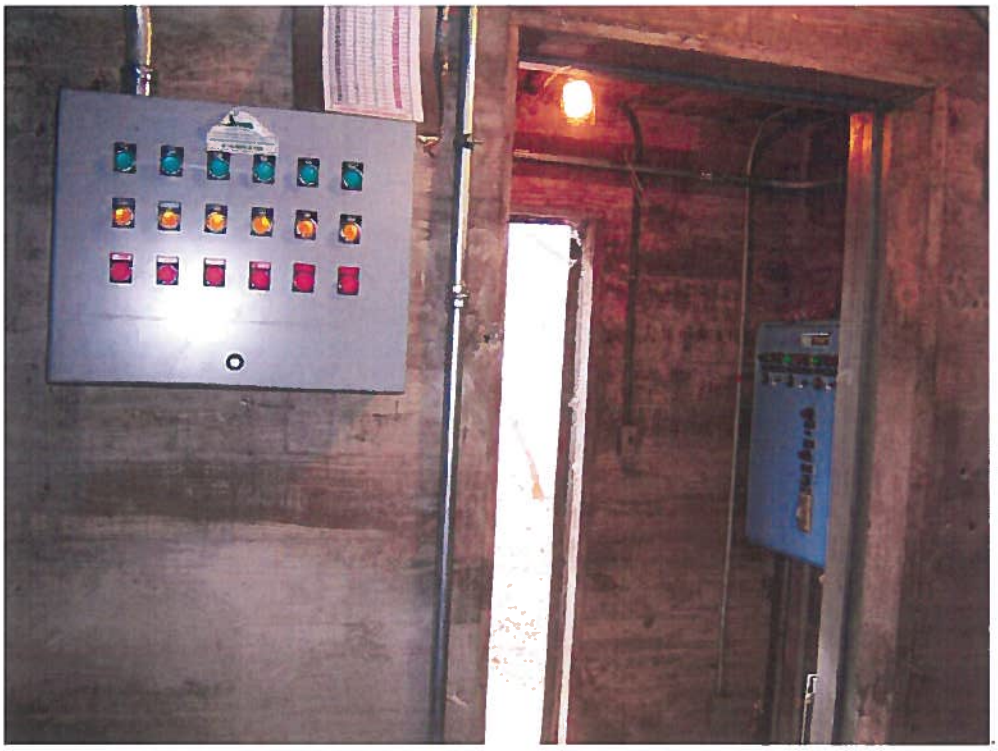

Photo 3: View of the control panel for Gates 1 to 5 and 10 (left side) and control panel for Gates 6 to 8 (right side).

Photo 4: View of the Control Panel (right side) for Gates 1 to 5 and 10.

Photo 6: Control Panel for Gates 6 to 9 inside of the control bunker

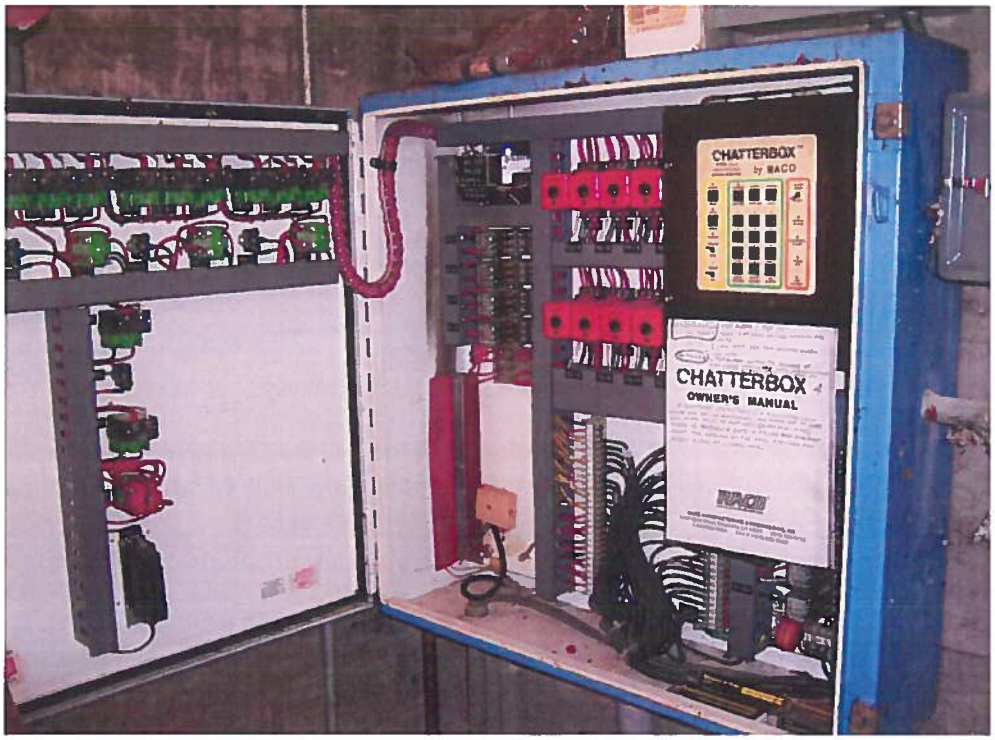

Photo 7: View inside of control panel for Gates 6 to 9.

Estabrook Dam Rehabilitation
EIM Gate Actuator Information

Gate 1
Model No.: ULWA-2
Serial No.: 068500A0 1
TAG No.: L-7379

Gate 2
Model No.: ULWA-2
Serial No.: 068500A0 3
TAG No.: L-7379

Gate 3
Model No.: ULWA-2
Serial No.: 068500A0 2
TAG No.: L-7379

Gate 4
Model No.: ULWA-2
Serial No.: 068500A0 4
TAG No.: L-7379

Gate 5
Model No.: ULWA-2
Serial No.: 068500A0 6
TAG No.: L-7379

Gate 6
Model No.: 2KR5-3
Serial No.: 110836
Job No.: 17740

Gate 7
Model No.: 2KR5-3
Serial No.: 110837
Job No.: 17740

Gate 8
Model No.: 2KR5-3
Serial No.: 110838
Job No.: 17740

Gate 9
Model No.: 2KR5-3
Serial No.: 110835
Job No.: 17740

Gate 10
Model No.: ULWA-2
Serial No.: 068500A0 5
TAG No.: L-7379

MILWAUKEE COUNTY
Department of Administrative Services
PREBID MEETING
Estabrook Dam Rehab, P063-10605

DATE: 6/9/16 @ 10:00 AM PLACE: Blatz Pavilion / Estabrook Dam

NAME	ORGANIZATION	PHONE	EMAIL
Karl Stave	Milw County AE&SS	414 278-4863	Karl.stave@milwaukeecountywi.gov
Paul Montalto	Milw Co	414-659-3387	Paul.Montalto@milwaukeecountywi.gov
~~Sue~~ Sue Macomber	Dakota Intertek	262-784-8844	smacomber@dakotaic.com
Adam Dimmer	Advanced Restoration	262-692-6575	~~Ad~~ A-D-V-Restoration@Gmail.co
LEO FLYNN	PCI ROADS, LLC	763-497 6100	LFLYNN@PCIROADS.COM
SAM UMLAUF	ECI	612 7912132	SAM@ECICONSTRUCTORS.COM
JEFF BUZZELL	DNESCO ELECTRIC	(414)425-3700	JBUZZELL@DNESCO.COM
DAVE DORNER	MILW RIVER PRES. ASSN	414 3392555	DORNERENT@GMAIL.COM
Chris Havey	Terra Engineering + construction	608-210-3803	Chavey@whyterra.com
Tony Arts	Terra Engineering + Construction	608-210-3911	TArts@whyterra.com
SCOTT R WIETING	ARTEAGA CONST.	414 349-9345	SCOTT@ARTEAGACONSTRUCTION.COM
Les Ormond	JF Brennan	608 769-5530	lormond@jfbrennan.com
JIM BARRETT	C.W. PURPERO, INC.	414-856-2850	BARRETTJ@PURPERO.com
TODD SCHMIDT	CW PURPURO, INC	414-856-2850	schmidtt@purpero.com
CORY McLEAN	PLATT CONSTRUCTION	414-761-3868	CORYM@PLATTCON.NET
Jaren Hiller	AECOM	414-944-6149	jaren.hiller@aecom.com
Charles DEAN	AECOM	414-944-6151	chuck.dean@aecom.com
KEVIN HALEY	MILW. CO. PARKS	414-257-6242	kevin.haley@milwaukeecountywi.gov
ANDREW LANGUM	DRAX, INC.	608 268 3468	ANDREW LANGUM@DRAXCO.COM

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MILWAUKEE COUNTY
Department of Administrative Services
PREBID MEETING

DATE: 6-9-16 PLACE: Eastabrook dam Pre Bid

NAME	ORGANIZATION	PHONE	EMAIL
Wenbin Yuan	Dakota Intertek	4145818844	Wyuan@Dakotaic.com
Scott Langum	Drax Inc.	6088198298	scottlangum@draxco.com
BRIAN RING	LUNDA CONSTRUCTION	920-450-8284	BRING@LUNDACONSTRUCTION.COM
Tim Hoffman	Lunda Construction	920-428-1328	THOFFMAN@LUNDACONSTRUCTION.com

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