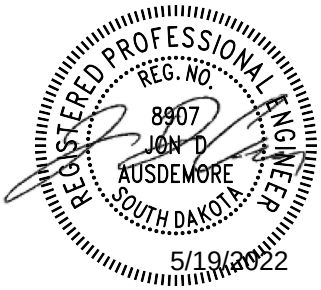
ADDENDUM NO. 1

May 19, 2022



Newell Lake Dam Spillway Replacement
GFP Project No. NewS22Wa

Bid Opening Date: May 5th, 2022
Department of Game, Fish and Parks
2nd Floor, Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

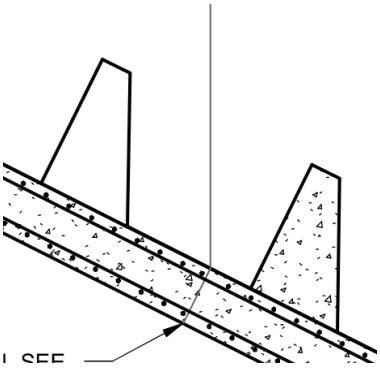
Owner: State of South Dakota
Department of Game, Fish and Parks

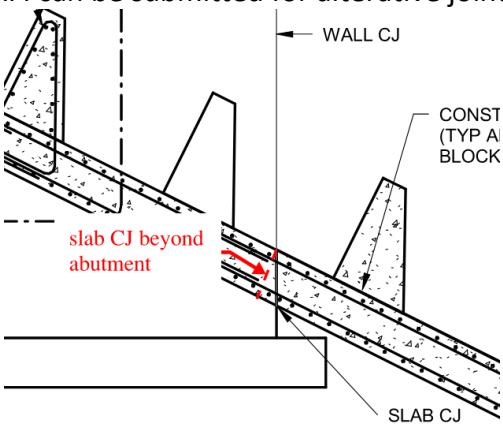
Scope of this Addendum:

The following becomes a part of the original plans and specifications, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgment of the addendum on the bid form, incorporating its provisions in the bid.

Item No. 1: **Question:** If contractor draws down lake, is there any requirement to protect the fish?
Answer: No, the GFP will manage the fish if necessary.

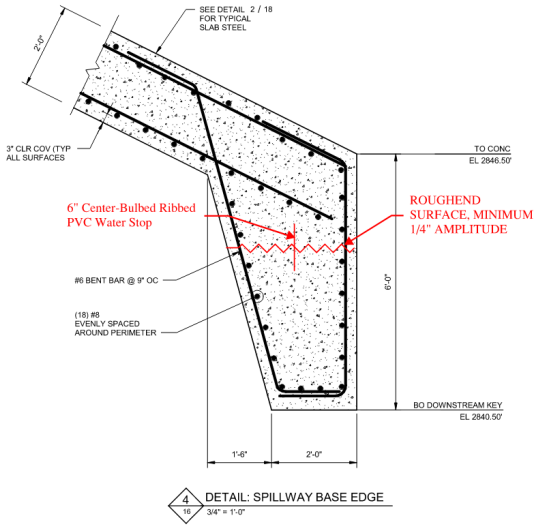
Item No. 2: **Question:** Note number 5 states wall control joints to be in line with slab control joints, should that middle slope "WALL CJ" be connected to the "SLAB CJ" in the middle of the slab?
Answer: The CJ between the wall and slab and wall should connect at the interface (top of slab) on the training walls (see below). This is also true for the CJ at the abutment, but where the section is cut, the joint at the downstream face of the abutment wall is shown (see below for clarification). After the bid is awarded, and RFI can be submitted for alterative joint locations.





Item No. 3: **Question:** Should the joint where the slab rests on the thickened edge be a "SLAB EJ"?
Answer: Yes – technically this would be an expansion joint; however, detail 3 on sheet 19 is still correct.

Item No. 4: **Question:** Can we break up the thickened edge section and spillway base edge section into two parts, the thickened piece and then the slab piece with waterstop between? Attached is a marked-up version of the plan sheet to help clarify the parts in question.
Answer: This is acceptable, see below.



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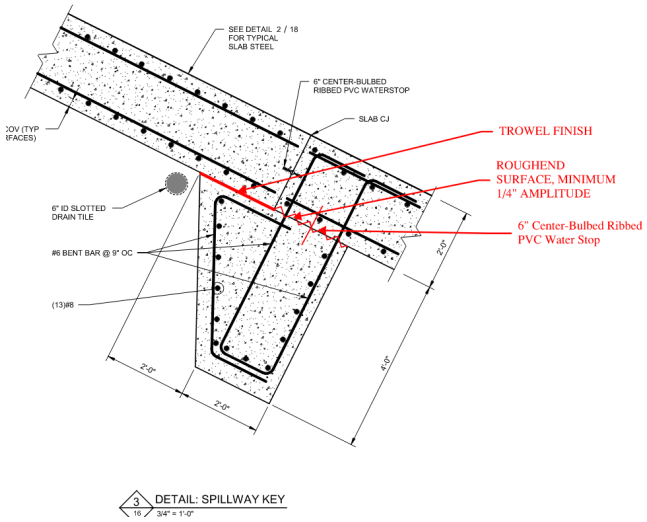

Item No. 5: **Question:** On sheet 13 of 32 looking at detail number 3 Elevation: Downstream Wingwalls Looking Upstream does that whole wingwall face have to placed at one time, or can we split up the spillway base edge with the wingwalls putting a control joint shown in the attachment?
Answer: Yes – if Construction Joints are used.

Item No. 6: **Question:** Specs call out for use on Type V Cement in the concrete. Suppliers have provided notification that they are unable to attain Type V Cement and there will be no further production of Type V. Will there be an allowance for another type of cement for the concrete?
Answer: Yes – There are several options in ACI 318 that meet the requirement for S2 sulfate exposure. This note is referenced in specification 03 30 00 Section 2.01, subsection A of the Newell specifications. These options are as follows:

- ASTM C595 Type IP, IS, or IT with (HS) designation
- ASTM C1157 HS
- ASTM C150 Type I, provided that the cement supplier provides a certified third-party testing report that shows the C3A contents are less than 5%.

Item No. 7: **Question:** Specs also call out that Limestone Aggregate will not be acceptable. The concern was raised that Limestone Aggregate is what this area has in their various quarries. No availability of granite, quartzite or other type concrete rock. Concerned that the import of acceptable rock will be extremely costly due to fuel costs and such. Will there be reconsideration of allowing limestone aggregate in the concrete mix?
Answer: Barr will consider limestone aggregate that meets the requirements of South Dakota DOT's specification for fine aggregate and coarse aggregate used in Portland cement. Testing for soundness and ASR shall be provided for the fine aggregate. Testing for soundness, ASR, and LA abrasion shall be provided for the coarse aggregate. Any other testing requirements in the project specifications must also be provided. Any tests required by the South Dakota DOT's specification may be requested by Barr. Please provide these results 30 days prior to the first concrete placement.

Item No. 8: **Question:** Concern about the 90-minute discharge of the concrete due to the remoteness of the area, the supplier may not be able to get it and discharge within the 90 minutes. Will there be consideration to loosen that restriction?

Answer: Barr will allow extended discharge time provided that the mix design specifically denotes the allowed discharge time. This mix design shall be certified by a Professional Engineer in the State of South Dakota.