

Kafura, David J - DNR

From: Brad Woznak <bwoznak@sehinc.com>
Sent: Tuesday, March 25, 2014 7:20 AM
To: Dallam, Frank M - DNR
Cc: Kafura, David J - DNR; Aartila, Tom P - DNR; Dale Olson
Subject: Sawyer County Carlson Road - Signed Plans and Special Provisions
Attachments: FINAL Signed Plans_btw.zip

Frank,

Per our conversation yesterday, I have attached pdfs (compressed due to file size) of the signed plans and special provisions for the Carlson Road Dam Removal project.

Please feel free to contact me if you have any questions or if you require additional information.

Thanks

Brad Woznak, PE,CFM | Senior Professional Engineer
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From: "Dallam, Frank M - DNR" <Frank.Dallam@wisconsin.gov>
To: Brad Woznak <bwoznak@sehinc.com>,
Cc: "Kafura, David J - DNR" <David.Kafura@wisconsin.gov>, "Aartila, Tom P - DNR" <Tom.Aartila@wisconsin.gov>
Date: 11/06/2013 01:57 PM
Subject: FW: Sawyer County Conservation meeting

Frank Dallam
Wisconsin Department of Natural Resources
Water Regulation and Zoning engineer
Phone = 715-635-4064
Fax = 715-635-4105

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From: Kafura, David J - DNR
Sent: Wednesday, November 06, 2013 11:11 AM
To: Dallam, Frank M - DNR; Aartila, Tom P - DNR

Cc: Hardin, Carmen R - DNR

Subject: RE: Sawyer County Conservation meeting

Thanks Frank for the update. Hopefully if Brad has questions as he develops the revised plan, he contacts us so we can have a finalized version to move forward on this timeframe.

From: Dallam, Frank M - DNR

Sent: Wednesday, November 06, 2013 10:49 AM

To: Kafura, David J - DNR; Aartila, Tom P - DNR

Subject: Sawyer County Conservation meeting

They had an update on Round Lake. Brad Woznak P.E., (SEH) is addressing the plan review comments, planning on a February submittal and hopefully a public meeting in April.

Frank Dallam

Wisconsin Department of Natural Resources

Water Regulation and Zoning engineer

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Carlson Road Dam
Sawyer County Wisconsin

SPECIAL PROVISIONS

I hereby certify that these Special Provisions were prepared by me or under my direct supervision, and that I am a duly Registered Professional Engineer under the laws of the State of Wisconsin.

Brad T Woznak

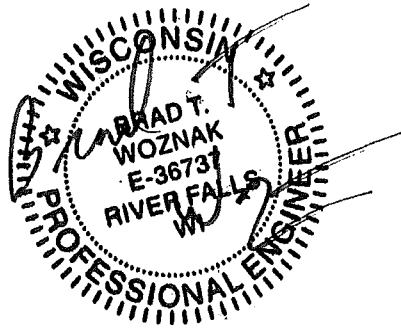
Brad T. Woznak, PE

3/24/2014

Date

E-36737

Reg. No.



1. General

Perform the work under this construction contract for the Carlson Road Dam located in Sawyer County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2014 Edition, as published by the department, and these special provisions.

2. Scope of Work

The work under this contract shall consist of removal of the existing road and bridge structure, construction of a new concrete box culvert with end sections and end walls, restoration of the roadway including new guardrail, and all incidental items necessary to complete the work as shown on the plans and included in the contract.

3. Prosecution and Progress

Begin work within ten calendar days after the owner issues a written notice to do so.

The schedule of operations as required under subsection 108.9.2 of the standard specifications shall provide for 14 working days.

The Contractor is responsible for conveying the baseflow discharge through the site from Little Round Lake to the channel downstream at all times during construction, including during removal and replacement of the existing bridge/dam, cofferdam construction and dewatering activities.

Access is available to the south side of the existing bridge/dam from the south via Carlson Road. The only access to the north side of the dam is via the Carlson Road channel crossing. The contractor must provide temporary access to the properties on the north side of the bridge/dam at the end of each working day and prior to weekends and holidays, as coordinated with the Engineer.

4. Cofferdams

If the Contractor determines that construction of cofferdams is necessary for the work, cofferdams shall be provided by the Contractor in accordance with section 206.3.3 of the standard specifications, except as hereinafter modified.

A Description

The Contractor shall determine the number, size, location, and type of cofferdams required to perform the work of the project. Provide a cofferdam design that addresses all components of construction requiring dry conditions for the performance of the work. Design of the cofferdam shall be by a professional engineer registered in the State of Wisconsin and knowledgeable of the specific site conditions and requirements. Submit to the owner for documentation, one copy of the cofferdam design calculations and drawings that are signed and sealed by the same professional engineer.

Design the cofferdam such that it is adequate for allowing the work of the project to be performed.

An earth cofferdam or/and temporary shoring may be incorporated into the cofferdam system at the design engineer's discretion. Temporary slope protection shall be used on any earth cofferdam.

B Materials

Furnish cofferdam materials according to the design prepared by a professional engineer registered in the State of Wisconsin described above.

C Construction

Construct temporary cofferdams for dewatering the areas of construction as deemed necessary by the Contractor, and in accordance with the design prepared by a professional engineer registered in the state of Wisconsin described above.

Construct the cofferdam to protect the work, equipment and crew in the event that the cofferdam is overtopped.

D Measurement

This item will be considered incidental to the work of the project and will not be measured separately for payment, regardless of the number of cofferdams required to perform the work.

E Payment

This item will be considered incidental to the work of the project. No separate payment for cofferdams will be made.

5. Item 206.6000.S - Dewatering

Dewatering shall be provided in accordance with section 206.3.9 of the standard specifications, except as hereinafter modified.

A Description

Design, furnish, install, test, operate, monitor, and maintain dewatering system of sufficient scope, size and capacity to control hydrostatic pressures and to lower, control, remove, and dispose of groundwater and permit excavation, backfill, and construction to proceed on stable subgrades. Coordinate design with the chosen materials and related requirements for the cofferdam described under Article 4 above.

A.1 Performance Requirements

Continuously monitor and maintain dewatering operations to ensure:

- a. Erosion does not occur
- b. Stability of excavations, cofferdams and constructed slopes

A.2 Submittals

Submit to the owner for documentation, one copy of the dewatering plans that describe systems and associated system plans. Dewatering system design and plans shall be signed by a professional engineer registered in the State of Wisconsin. Show arrangement, locations, and details of the system; pumps, power units, discharge lines, or other system components; and means of discharge, control of sediment, cofferdams, berms, sheet piling, and disposal of water.

A.3 Regulatory Requirements

Comply with state and federal installation requirements and sediment control regulations and obtain all necessary permits.

A.4 Site Conditions

Conduct additional subsurface investigations as required to determine the specific dewatering needs for the proposed construction at this site.

B Materials

Furnish new or used materials, adequate in capacity for required usage. Materials must not create unsafe conditions and must not violate requirements of applicable codes and standards.

C Construction

Prevent discharge of untreated water carrying sediment not meeting discharge requirements from entering surface waters.

Remove accumulated sediment from the site or incorporate into the work if approved by the owner.

Do not allow water discharge to run over roads or work areas where water or ice could cause a hazardous condition.

Do not allow water to pond in the construction area.

Diversion shall safely convey water to the downstream channel without causing erosion.

Protect existing or completed work from water or sedimentation damage.

Protect workers and public from temporary structures.

Install temporary dikes, riprap, culverts, and piping as necessary to prevent erosion of site or siltation of surface waters.

Maintain dewatering operations until excavations are backfilled.

Remove temporary equipment and pipe upon completion. Abandon wells as required by controlling agency.

D Measurement

This item will be measured on a lump sum basis.

E Payment

Payment for this item will constitute full compensation for all work required to provide dewatering including, but not limited to, designing, furnishing, installing, testing, operating, maintaining, and removing and/or abandoning the dewatering system.

Payment for this item will be made for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
206.6000	Dewatering	Lump Sum

6. Item 522.0600.S - Precast Concrete Box Culvert (7'x12')

The precast concrete box culvert shall be furnished and installed in accordance with Section 522 of the Standard Specifications, except as hereinafter modified.

A Description

This special provision describes the furnishing and installation of the 7'x12' precast concrete box culvert for Carlson Road.

B Materials

Furnish the 7'x12' precast concrete box culvert in accordance with the design requirements shown on the drawings.

C Construction

If the Contractor determines it is necessary for construction, the Contractor shall provide a cofferdam in accordance with Article 4 of these special provisions.

Construction shall conform to the requirements for public highway culverts as specified in section 520 of the standard specifications.

Backfill in accordance with the standard specifications using suitable material from excavation that is free of large lumps, clods, or rock. Backfill above suitable material with granular backfill as indicated on the drawings.

D Measurement

This item will be measured by units of linear feet.

E Payment

Payment will constitute full compensation for all works and costs associated with providing the precast concrete box culvert including, but not limited to, furnishing, installing, and backfilling with suitable material the box culvert. Payment for this item will be made for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
522.0600.S	Precast Concrete Box Culvert(7'x12')	LF

7. Item 522.1100.S - Precast Concrete End Section

The precast concrete end sections shall be furnished and installed in accordance with Section 522 of the Standard Specifications, except as hereinafter modified.

A Description

This special provision describes the furnishing and installation of the precast concrete end sections and end walls.

B Materials

Furnish the precast concrete end sections and end walls in accordance with the design requirements shown on the drawings.

C Construction

Construction of cast-in-place or precast end walls shall conform to the requirements of section 502 of the standard specifications.

If the Contractor determines it is necessary for construction, the Contractor shall provide a cofferdam in accordance with Article 4 of these special provisions.

Backfill in accordance with the standard specifications using suitable material from excavation that is free of large lumps, clods, or rock. Backfill above suitable material with granular backfill as indicated on the drawings.

D Measurement

This item will be measured by each end section and related end wall.

E Payment

Payment will constitute full compensation for all work and costs associated with furnishing, installing, and backfilling with suitable material each end section and related end wall. Payment for this item will be made for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
522.1100.S	Precast Concrete End Section	EA

8. 614.0305.S - Beam Guard (Class A Modified)

The beam guard (Class A Modified) shall be furnished and installed in accordance with Section 614 of the Standard Specifications, except as hereinafter modified.

A Description

This special provision describes the furnishing and installation of the beam guard.

B Materials

Furnish the beam guard in accordance with the design requirements shown on the drawings.

C Construction

Install the beam guard according to the pertinent requirements of the standard specification section.

D Measurement

This item will be measured by units of linear feet.

E Payment

Payment for this item will be made for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
614.0305.S	Beam Guard (Class A Modified)	LF

