

REQUEST FOR SEALED BIDS

Calumet County, Wisconsin



Request for Bids for the Faro Springs Road, Public Access Improvements Project

Due: October 24, 2024 at 11:00 am

REQUEST FOR BID

The Village of Harrison is requesting Bids for the public access improvements of the western dead end at Faro Springs Road within the Village of Harrison. The ramp will serve as emergency access only to Lake Winnebago and not a public access point. This is a re-bid of the similar project earlier this year.

PRE-BID & REQUIREMENTS

All questions about the meaning or intent of the RFB Document shall be submitted to the Village of Harrison in writing. Replies shall be issued by addenda, delivered to all parties recorded by the Village of Harrison as having received the RFB documents. Questions received less than five (5) days prior to the date for opening of Bids will not be answered. Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

SUBMISSION OF BIDS

Bids must be filed in the Harrison Village Hall Office, no later than 11 a.m. on October 24, 2024. Bids received after the above hour and date, will be rejected.

Mail or hand-deliver bids to: Village of Harrison, W5298 State Road 114, Harrison, WI 54952.

Bid must be sealed and must be plainly marked in the lower left-hand corner of the envelope "Faro Springs Road Public Access Improvements". The Bids shall also be clearly marked on the front with the Contractor's name and return address.

An authorized individual using an unduplicated original signature is required to sign the Bid Form.

Written requests for withdrawal of Bids is permitted any time prior to the scheduled due date and time.

All Bids submitted shall be binding for forty-five (45) calendar days unless the Contractor(s), upon request of the County, agree to the extension.

BID OPENING

A public bid opening will not occur. Bids are due 11am on October 24, 2024 at the Harrison Village Hall, W5298 State Road 114, Harrison, WI 54952.

Published by Order:
Chad Pelishek
Assistant Village Manager

OTHER INFORMATION

The Village of Harrison is not liable for any costs incurred in replying to this Request. The Village reserves the right to reject any and all Bids, to select the Bid considered most advantageous to Village of Harrison.

Any Bids submitted in conjunction with this request will become public record, open for public inspection. If there is confidential or propriety information which should be exempted from this requirement, Suppliers must include a separate request explaining what items should be exempted and why. Notification of the County's determination on such requests will be made prior to release of any information in the Bid.

Successful Contractor shall comply with all Federal, State and local codes, laws, regulations, standards, and ordinances, including, without limitation, those of the Occupational Safety and Health Administration (OSHA), the Wisconsin Department of Safety and Professional Services, and all County rules and orders governing the performance of the work performed by the Contractor, its employees, agents and subcontractors or anyone employed directly or indirectly by any of them or by anyone for whose acts any of them may be liable. In addition, any material, equipment or supplies provided to the County must comply with all safety requirements as set for the by the Wisconsin Administrative Code, Rules of the Industrial Commission on Safety and all applicable OSHA Standards.

The Village of Harrison is a tax-exempt municipal corporation, under Wisconsin Statute 77.54 (9a). Do not include sales tax in your proposal.

The successful Provider must provide a Certificate of Insurance meeting Village requirements as stated in Exhibit A. The successful Provider will be required to sign a standard Village contract within 10 days after award.

SCHEDULE

All work will need to start per the WI DNR permit restrictions. The Village of Harrison is requesting that the project is completed no later than December 31, 2024. The contractor will have flexibility to start the project anytime after the preconstruction meeting is held. Once work starts, the contractor shall not leave the site. The Village is requiring that the project takes no longer than 30 days from the time groundbreaking begins until the ramp can be reopened to the public.

CONTACTS

Requests for further information concerning this RFB should be

directed to: Village of Harrison
W5298 State Road 114
Harrison, WI 54952
(920) 989-1062, ext 8
cpelishek@harrison-wi.org

All questions about the meaning or intent of these Documents shall be submitted to the Village of Harrison in writing. Replies shall be issued by addenda delivered to all parties recorded as having received the RFB. Questions received less than five (5) days prior to the due date will not be answered. Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

SPECIFICATIONS

I. GENERAL:

- A. It is the intent of this specification to describe the minimum requirements for the Faro Springs Road Public Access Improvements project at Faro Springs Road located in the Village of Harrison, WI. This Request for Sealed Bids is for demolition of the current ramp, prep work, and the installation of the new ramp.
- B. All items, details of construction, or features not specifically mentioned which are regularly furnished in order to provide services shall be furnished at the bid price and shall conform in strength, quality and workmanship to that usually provided by the practice indicated in this specification.
- C. Questions on the project should be directed to Chad Pelishek, Village of Harrison, cpelishek@harrison-wi.org or by phone at 920-989-1062 ext. 8.
- D. The contractor must comply with all WI DNR permit requirements. The WI DNR permit is included in Exhibit B of this bid document. The contractor will be required to follow all requirements and regulations included within the permit.

II. INSTALLATION REQUIREMENTS

- A. Products are to be delivered and installed at the West end of Faro Springs Road, Hilbert, WI 54129.
- B. All work will need to start after the WI DNR permit restrictions. The Village of Harrison is requesting that the project is completed no later than December 31, 2024. Once work starts, the contractor shall not leave the site. The Village is requiring that the project takes no longer than 30 days from the time groundbreaking begins until the ramp can be reopened to the public.

III. PRICING REQUIREMENTS

- A. Indicate the price for the base bid which will be a precast panel system with riprap at the end of the system.
- B. The Village of Harrison is a tax-exempt municipal corporation, under Wisconsin Statute 77.54 (9a). Do not include sales tax in your pricing.

BID FORM

The undersigned has carefully examined the specifications and will provide the products specified or approved equivalents for the following amounts:

Public Access Improvements Lump Sum Bid Project Total \$ _____ and in Words:

Please Initial Here to Acknowledge that Work Can be Performed in Required Timeline: __

In submitting this Proposal, the Provider represents, that the Provider has examined and carefully studied all Contract Documents and the following addenda, the receipt of which is hereby acknowledged:

Addendum#

Bidder: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email: _____

Signature: _____

Printed Name: _____

Title _____ Date: _____

EXHIBIT A
INSURANCE COVERAGE' DESCRIPTIONS AND REQUIREMENTS

- I. Provider shall, furnish County with Certificate of Insurance indicating proof of the following insurance from companies licensed in the State:
 - A. Workers Compensation and Employers' Liability - Workers' Compensation statutory - in compliance with the Compensation law of the State and Employers' Liability insurance with a limit no less than \$100,000 each accident.
 - B. Comprehensive or Commercial General Liability with a minimum limit of \$1,000,000 per occurrence/\$1,000,000 aggregate combined Single Limit for Bodily Injury and Property Damage Liability. This insurance shall include, but not limited to, the following coverage.
 1. Premises - Operations
 2. Products and Completed Operations
 3. Broad Form Property Damage
 4. Contractual
 5. Personal Injury
 - C. Automobile Liability with a minimum limit of \$1,000,000 per occurrence/\$1,000 aggregate Combined Single Limit for Bodily Injury and Property Damage Liability. This insurance shall include coverage for all of the following:
 1. Owned Automobiles
 2. Hired Automobiles
 3. Non-Owned Automobiles
 - D. Professional Liability with a minimum limit of \$1,000,000 for injury to any person/
\$1,000,000 aggregate.
- II. The certificate shall list the **Certificate Holder and Address as follows:** Village of Harrison, Attn: Insurance Administrator, Harrison Village Hall, W5298 State Road 114, WI 54952. The Village of Harrison Department(s) involved shall be listed under "Description of Operations".
- III. Such insurance shall include under the **General Liability and Automobile Liability policies** Village of Harrison, its employees, elected officials, representatives, and members of its boards and/or commissions as "**Additional Insureds**".

Exhibit B

State of Wisconsin
DEPARTMENT OF NATURAL
RESOURCES
2984 Shawano
Avenue Green Bay,
WI, 54313

Tony Evers,
Governor



Telephone 608-
266-2621

Toll Free 1-888-
936-7463

TTY Access via
relay - 711

04/17/2024

Village of Harrison
Chad Pelishek
W5298 State Road 114
Harrison WI, WI 54952

GP-NE-2024-8-00778

Dear Mr. Pelishek:

Thank you for submitting an application for a General Permit to install a public boat ramp on Lake Winnebago located at Faro Springs Road, in the SW1/4, NW1/4, Sec. 14, T19N, R18E, Village of Harrison, Calumet County.

You have certified that your project meets the eligibility criteria for this activity. Based upon your signed certification you may proceed with your project. Please take this time to re-read the permit standards and conditions. **You are responsible for meeting all general permit eligibility standards and permit conditions.** This includes notifying the Department before starting the project and submitting photographs within one week of project completion. Please note that your project must be complete within 3 years of the date of this letter.

The Department conducts routine and annual compliance monitoring inspections. Our staff may follow up and inspect your project to verify compliance with state statutes and codes. If you need to modify your project please contact your local Water Management Specialist, Bobbi Jo Mahon at (920) 362-1361 or email bobbiejo.mahon@wisconsin.gov to discuss your proposed modifications. If you fail to comply with state statutes and code, the Department has the authority to pursue enforcement which could include site restoration and fines.

The Department of Natural Resources appreciates your willingness to comply with waterway regulations, which help to protect the water quality, fish and wildlife habitat, natural scenic beauty and recreational value of Wisconsin's water resources for future generations. You are responsible for obtaining any other local, state or federal permits that are required before starting your project.

Sincerely,

By Mahon

Bobbi Jo Mahon
Water Management Specialist

Copy to: USACE Project Manager
 Brian Giebel-County Zoning
 Mike Disher-Conservation
 Warden Steve Phipps-
 Stockbridge Town Clerk WZ File

ELIGIBILITY CRITERIA

Eligibility criteria:

1. A boat landing shall be open to the general public.
2. A boat landing may not be located in an area of special natural resource interest, except for boat landings constructed and maintained by a local, state or federal agency.
3. A boat landing may not be placed within a public rights feature as described in s. NR 1.06.
4. A boat landing may be placed and maintained only by a riparian.
5. A boat landing shall be placed entirely within the riparian's zone of interest, as determined by one of the methods outlined in ch. NR 326.
6. A boat landing shall be designed and constructed to prevent structural failure caused by wave, wind or ice action and shall be maintained in good condition at all times.
7. Material removed or excavated to construct the boat landing may not be placed in a wetland, floodway or below the ordinary high-water mark of any navigable waterway.
8. A boat landing shall consist of a 6- to 24-inch layer of crushed rock, a 6- to 18-inch layer of crushed rock capped with a 4-inch minimum thickness pre-cast reinforced concrete planks or a cast-in-place reinforced concrete slab, each with a 6- to 18-inch crushed rock base. Pre-cast planks shall be connected to prevent displacement.
9. A boat landing shall have a slope no steeper than 7 foot horizontal to one foot vertical (7H) and may not exceed 50 feet in length or beyond the line of navigation, whichever is less.
10. A boat landing may not be located in or across a wetland.
11. A boat landing shall have rock riprap toe protection at the lake ward end of the landing which may not extend above the natural level of the bottom of the waterway.
12. The side slopes of the excavated banks on either side of the boat landing may not exceed 2 feet horizontal to one foot vertical (2H).
13. Any grading, excavation and land disturbance shall be confined to the minimum area necessary for the construction and may not exceed 10,000 square feet.
14. All equipment used for the project shall be designed and properly sized to minimize the amount of sediment that can escape into the water.
15. Construction of the boat landing shall minimize the removal of trees, shrubs and other shoreline vegetation above the ordinary high-water mark. Note: Local zoning

ordinances may place restrictions on cutting trees in the shoreland zone. The riparian is responsible for ensuring that their project is in compliance with any local zoning requirements.

16. Erosion control measures shall meet or exceed the technical standards for erosion control approved by the department under subch. V of ch. NR 151. Any area where topsoil is exposed during placement, repair or removal of a structure shall be immediately seeded and mulched to stabilize disturbed areas and prevent soils from being eroded and washed into the waterway. These standards can be found at: <http://dnr.wi.gov/topic/stormwater/standards/>.
17. Unless part of a permanent storm water management system, all temporary erosion and sediment control practices will be removed upon final site stabilization. All areas disturbed during removal of temporary erosion and sediment control practices will be restored.
18. To minimize adverse impacts on fish movement, fish spawning, and egg incubation periods the project may not occur during the following time periods:
 - a. September 15 through May 15 for trout streams; to determine if a waterway is a trout stream, you may use the WDNR website trout maps which can be found at <https://dnr.wisconsin.gov/topic/Fishing/trout/streammaps.html>
 - b. September 15th through June 15th on all Great Lakes tributaries upstream to the first dam or barrier
 - c. November 1st through June 15th for Lake Michigan waters surrounding Door County including Green Bay and all harbors and bays
 - d. September 15th through July 1st for Lake Superior waters surrounding Douglas County including St. Louis River and all harbors and bays
 - e. March 1st through June 15th for ALL OTHER waters

Note: The applicant may request that these time period restrictions be waived by the department on a case-by-case basis, by submitting a written statement signed by the local department fisheries biologist, documenting consultation about the proposed dredging project, and that the local department fisheries biologist has determined that the requirements of this paragraph are not necessary to protect fish spawning for the proposed project

19. All equipment used for the project including but not limited to tracked vehicles, barges, boats, hoses, sheet pile and pumps shall be de-contaminated for invasive and exotic viruses and species prior to use and after use.
20. The following steps must 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 shall not be used on other non-infested waters.
 - a. Inspect and remove aquatic plants, animals, and mud from your equipment.
 - b. Drain all water from your equipment that comes in contact with infested waters, including but not limited to tracked vehicles, barges, boats, hoses, sheet pile and pumps. Dispose of aquatic plants, animals in the trash.

- c. Never release or transfer aquatic plants, animals or water from one waterbody to another.
 - d. Wash your equipment with hot (>104° F) or high-pressure water, steam clean or allow your equipment to dry thoroughly for 5 days.
21. Follow the most recent department approved washing and disinfection protocols and department approved best management practices to avoid the spread of invasive species as outlined in NR 40, Wis. Adm. Code. These protocols and practices can be found on the Department website at <http://dnr.wi.gov/topic/Invasives/bmp.html>
Keyword: "equipment operator" and at
<http://dnr.wi.gov/topic/Invasives/documents/EquipOper.pdf>

SELF CERTIFICATION CONDITIONS

1. You must notify Bobbi Jo Mahon at phone (920) 362-1361 or email bobbiejo.mahon@wisconsin.gov before starting construction and again not more than 5 days after the project is complete.
2. You must complete the project as described on or before **April 17, 2027**. If you will not complete the project by this date, there is no opportunity for an extension, and you must apply for a new permit.
3. Your signed certification does not authorize any work other than what you specifically describe in your application and plans, and as modified by the conditions of your signed certification. If you wish to alter the project, you must first obtain written approval of the Department.
4. Before you start your project, you must first obtain any permit or approval that may be required for your project by local zoning ordinances and by the U.S. Army Corps of Engineers. You are responsible for contacting these local and federal authorities to determine if they require permits or approvals for your project. These local and federal authorities are responsible for determining if your project complies with their requirements.
5. Upon reasonable notice, you shall allow access to your project site during reasonable hours to any Department employee who is investigating the project's construction, operation, maintenance or permit compliance.
6. The Department may modify or revoke your signed certification for good cause, including if the project is not completed according to the terms of the eligibility standards and conditions for the activity or if the Department determines the activity is detrimental to the public interest.
7. You must post a copy of your signed certification at a conspicuous location on the project site, visible from the waterway, for at least five days prior to construction, and remaining at least five days after construction. You must also have a copy of your signed certification and plan available at the project site at all times until the project is complete.
8. Your acceptance of this letter and efforts to begin work on this project signify that you have read, understood and agreed to follow all conditions of your signed certification.
9. You shall maintain the project in good condition and in compliance with the terms and conditions of your signed certification, NR 329, Wis. Admin. Code and s. 30.206, Stats.
10. This project shall comply with all conditions identified in Wisconsin Administrative

Code NR 329 and identified in the Instructions for the General Permit application.

11. You must submit a series of photographs to the Department, within one week of completing work on the site. The photographs must be taken from different vantage points and depict all work authorized by this permit.
12. You, your agent, and any involved contractors or consultants may be considered a party to the violation pursuant to Section 30.292, Wis. Stats., for any violations of Chapter 30, Wisconsin Statutes, or this permit.
13. Construction shall be accomplished in such a manner as to minimize erosion and siltation into surface waters. Erosion control measures (such as silt fence and straw bales) must meet or exceed the technical

standards of ch. NR 151, Wis. Admin. Code. The technical standards are found at: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.

14. 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 decontaminated for invasive and exotic viruses and species prior to use and after use.

The following steps must 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 shall not be used on other non-infested waters.

1. Inspect and remove aquatic plants, animals, and mud from your equipment.
2. 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.
3. Dispose of aquatic plants, animals in the trash. Never release or transfer aquatic plants, animals or water from one waterbody to another.
4. Wash your equipment with hot (>104° F) and/or high-pressure water - OR - Allow your equipment to dry thoroughly for 5 days.

FINDINGS OF FACT

1. The Department has determined that your signed certification of the project site and project plans meet the standards in s. 30.206, Stats. and ch. NR 329, Wis. Adm. Code., to qualify for this General Permit.
2. The project will consist of the reconstruction of an existing boat ramp to provide emergency services access to Lake Winnebago during the winter season. The ramp will not be promoted as a public boat launch as there is no available parking area for vehicles and trailers. The new ramp will consist of an 8" x 22' x 40' cast-in-place concrete ramp over a 10" crushed aggregate base. Approximately 6 cu yds of riprap will be placed only at the toe of the ramp and a dewatering barrier will be placed around the waterward end of the ramp project area prior to starting work.
3. The proposed project will not injure public rights or interests, cause environmental pollution as defined in s. 299.01(4), Wis. Stats., or result in material injury to the rights of any riparian owner, if constructed in accordance with your signed certification.
4. The Department and the applicant have completed all procedural requirements, and the project as described in your signed certification will comply with all applicable requirements of Section 30.206, Wis. Stats., and Chapters NR 102, 103, 150, 299, 310 and 329 if carried out as proposed.

CONCLUSIONS OF LAW

1. The Department has authority under ch. 30, Wis. Stats., and ch. NR 329, Wis. Adm. Code, to grant approval for the construction and maintenance of this project.
2. The Department has complied with s. 1.11, Wis. Stats.

AGGREGATES FOR EARTHWORK

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Aggregate materials and designations for pavement aggregate base course.
 - 2. Aggregate materials and designations for backfill.
- B. Related Sections:
 - 1. Applicable provisions of Section 31 02 00 – General Requirements for Sitework shall govern all work under this Section.
 - 2. Section 02 41 00 – Demolition.
 - 3. Section 31 22 00 - Grading.
 - 4. Section 31 23 16 - Excavation.
 - 5. Section 31 23 23 – Fill.
 - 6. Section 31 37 00 – Riprap.
 - 7. Section 32 11 23 - Aggregate Base Courses.

1.02 REFERENCES

- A. State of Wisconsin Department of Transportation (WISDOT):
 - 1. Standard Specifications for Highway and Structure Construction, Current Edition.
 - a. <http://roadwaystandards.dot.wi.gov/standards/stnds-spec/index.htm>

1.03 QUALITY ASSURANCE

- A. Perform Work in accordance with Wisconsin Department of Transportation standards.

PART 2 PRODUCTS

2.01 AGGREGATE MATERIALS

- A. Aggregate Type A5 (Stone): Crushed Stone; free of clay, shale, organic matter; graded in accordance with:
 - 1. WISDOT Open-Graded Gradation.

PART 3 EXECUTION (NOT USED)

END OF SECTION

AGGREGATE BASE COURSE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aggregate base course.
- B. Paving aggregates.

1.02 PRICE AND PAYMENT PROCEDURES

- A. See Section 31 02 00 - General Requirements for Sitework for general requirements applicable to unit prices for earthwork.
- B. Coarse Aggregate: By the cubic yard. Includes supplying aggregate material, stockpiling, scarifying substrate surface, placing, and compacting.

1.03 REFERENCE STANDARDS

- A. ASTM D1556/D1556M - Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method; 2015, with Editorial Revision (2016).
- B. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft³ (2,700 kN-m/m³)); 2012 (Reapproved 2021).
- C. ASTM D2167 - Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method; 2015.
- D. ASTM D2487 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System); 2017, with Editorial Revision (2020).
- E. ASTM D6938 - Standard Test Methods for In-Place Density and Water Content of Soil and Soil- Aggregate by Nuclear Methods (Shallow Depth); 2023.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. When necessary, store materials on site in advance of need.
- B. Aggregate Storage, General:
 - 1. Separate differing materials with dividers or stockpile separately to prevent intermixing.
 - 2. Prevent contamination.
 - 3. Protect stockpiles from erosion and deterioration of materials.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Coarse Aggregate Type Open Graded Base: Coarse aggregate, complying with State of Wisconsin Highway Department standard.

2.02 SOURCE QUALITY CONTROL

- A. See Section 31 02 00 - General Requirements for Sitework, for general requirements for testing and analysis of aggregate materials.
- B. Where aggregate materials are specified using ASTM D2487 classification, test and analyze samples for compliance before delivery to site.
- C. If tests indicate materials do not meet specified requirements, change material and retest.
- D. Provide materials of each type from same source throughout the Work.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that survey bench marks and intended elevations for the work are as indicated.
- B. Verify substrate has been inspected, gradients and elevations are correct, and is dry.

3.02 PREPARATION

- A. Correct irregularities in substrate gradient and elevation by scarifying, reshaping, and re-compacting.
- B. Do not place aggregate on soft, muddy, or frozen surfaces.

3.03 INSTALLATION

- A. Spread aggregate over prepared substrate to a total compacted thickness of 6 inches.
- B. Place aggregate in maximum 4 inch layers and roller compact to specified density.
- C. Level and contour surfaces to elevations and gradients indicated.
- D. Add small quantities of fine aggregate to coarse aggregate as appropriate to assist compaction.
- E. Add water to assist compaction. If excess water is apparent, remove aggregate and aerate to reduce moisture content.
- F. Use mechanical tamping equipment in areas inaccessible to compaction equipment.

3.04 TOLERANCES

- A. Flatness: Maximum variation of 1/4 inch measured with 10 foot straight edge.
- B. Scheduled Compacted Thickness: Within 1/4 inch.
- C. Variation From Design Elevation: Within 1/2 inch.

3.05 FIELD QUALITY CONTROL

- A. See Section 31 02 00 - General Conditions for Sitework, for general requirements for field inspection and testing.
- B. Compaction density testing will be performed on compacted aggregate base course in accordance with ASTM D1556, ASTM D2167, or ASTM D6938.
- C. Results will be evaluated in relation to compaction curve determined by testing uncompacted material in accordance with ASTM D1557 ("modified Proctor").
- D. If tests indicate work does not meet specified requirements, remove work, replace and

retest.

- E. Proof roll compacted aggregate at surfaces that will be under slabs-on-grade.

3.06 CLEANING

- A. Remove unused stockpiled materials, leave area in a clean and neat condition. Grade stockpile area to prevent standing surface water.
- B. Leave borrow areas in a clean and neat condition. Grade to prevent standing surface water.

END OF SECTION

CONCRETE PAVING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Concrete boat launch.

1.02 PRICE AND PAYMENT PROCEDURES

- A. Provide concrete paving by the lump sum price.

1.03 REFERENCE STANDARDS

- A. ACI PRC-211.1 - Selecting Proportions for Normal-Density and High Density-Concrete - Guide; 2022.
- B. ACI PRC-305 - Guide to Hot Weather Concreting; 2020.
- C. ACI PRC-306 - Guide to Cold Weather Concreting; 2016.
- D. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2022.
- E. ASTM C39/C39M - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens; 2021.
- F. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2023.
- G. ASTM C309 - Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete; 2019.
- H. ASTM D1751 - Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types); 2018.

1.04 SUBMITTALS

- A. See Section 31 02 00 - General Requirements for Sitework, for submittal procedures.
- B. Product Data: Provide data on joint filler, admixtures, and curing compound.
- C. Design Data: Indicate pavement thickness, designed concrete strength, reinforcement, and typical details.

PART 2 PRODUCTS

2.01 PAVING ASSEMBLIES

- A. Vehicle Area Pavement: 4,000 psi 28 day concrete, 8 inches thick, reinforced as shown on Drawings, wood float finish.

2.02 FORM MATERIALS

- A. Wood form material, profiled to suit conditions.

2.03 REINFORCEMENT

- A. Reinforcing Steel and Welded Wire Reinforcement: Comply with the Drawings.

- B. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi) yield strength; deformed billet steel bars; unfinished.

2.04 CONCRETE MATERIALS

- A. Concrete Materials: Provide in accordance with State of Wisconsin Highways standards.

2.05 ACCESSORIES

- A. Curing Compound: ASTM C309, Type 2, Class A.
- B. Slab Isolation Joint Filler: 1/2 inch thick, height equal to slab thickness, with removable top section that will form 1/2 inch deep sealant pocket after removal.
 - 1. Material: ASTM D1751, cellulose fiber.

2.06 CONCRETE MIX DESIGN

- A. Proportioning Normal Weight Concrete: Comply with ACI PRC-211.1 recommendations.
- B. Concrete Properties:
 - 1. Comply with performance requirements indicated on the Drawings.

2.07 MIXING

- A. Transit Mixers: Comply with ASTM C94/C94M.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify compacted subgrade is acceptable and ready to support paving and imposed loads.
- B. Verify gradients and elevations of base are correct.

3.02 SUBBASE

- A. See Section 32 11 23 for construction of base course for work of this Section.

3.03 PREPARATION

- A. Moisten base to minimize absorption of water from fresh concrete.
- B. Notify Architect minimum 24 hours prior to commencement of concreting operations.

3.04 FORMING

- A. Place and secure forms to correct location, dimension, profile, and gradient.
- B. Place joint filler vertical in position, in straight lines. Secure to formwork during concrete placement.

3.05 REINFORCEMENT

- A. Place reinforcement as indicated.

3.06 COLD AND HOT WEATHER CONCRETING

- A. Follow recommendations of ACI PRC-305 when concreting during hot weather.
- B. Follow recommendations of ACI PRC-306 when concreting during cold weather.
- C. Do not place concrete when base surface temperature is less than 40 degrees

F, or surface is wet or frozen.

3.07 PLACING CONCRETE

- A. Place concrete in accordance with State of Wisconsin Highways standards.
- B. Ensure reinforcement, inserts, embedded parts, formed joints are not disturbed during concrete placement.

3.08 JOINTS

- A. Place 3/8 inch wide expansion joints at 20 foot intervals and to separate paving from vertical surfaces and other components and in pattern indicated.
 - 1. Form joints with joint filler extending from bottom of pavement to within 1/2 inch of finished surface.

- B. Provide scored joints.
 - 1. At 10 feet intervals.

3.09 FINISHING

- A. Inclined Vehicular Ramps: V-jointed perpendicular to slope.

3.10 TOLERANCES

- A. Maximum Variation of Surface Flatness: 1/4 inch in 10 ft.
- B. Maximum Variation From True Position: 1/4 inch.

3.11 FIELD QUALITY CONTROL

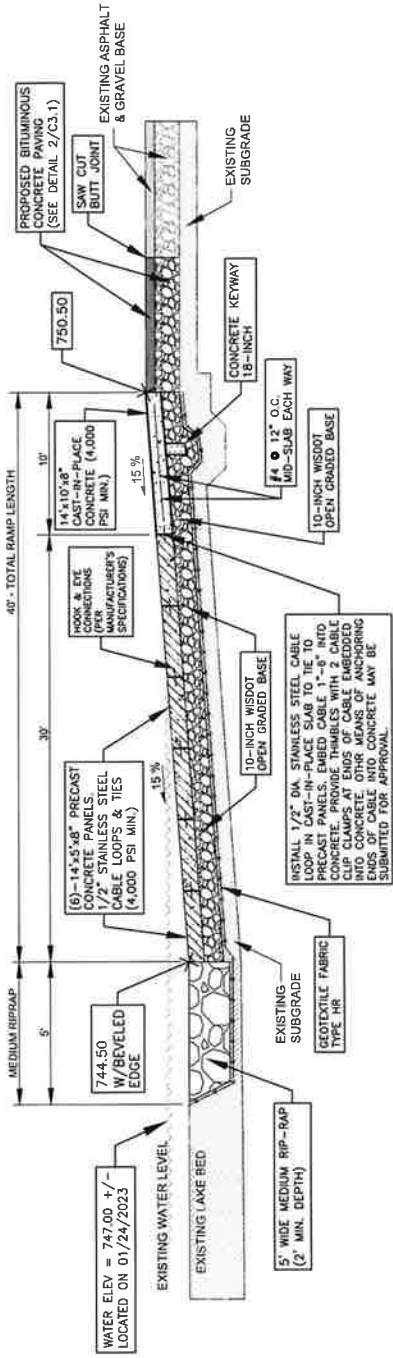
- A. An independent testing agency will perform field quality control tests, as specified in Section 31 02 00 - General Requirements for Sitework.
 - 1. Provide free access to concrete operations at project site and cooperate with appointed firm.
 - 2. Submit proposed mix design of each class of concrete to inspection and testing firm for review prior to commencement of concrete operations.
 - 3. Tests of concrete and concrete materials may be performed at any time to ensure compliance with specified requirements.
- B. Compressive Strength Tests: ASTM C39/C39M; for each test, mold and cure three concrete test cylinders. Obtain test samples for every 100 cu yd or less of each class of concrete placed.
 - 1. Take one additional test cylinder during cold weather concreting, cured on job site under same conditions as concrete it represents.
 - 2. Perform one slump test for each set of test cylinders taken.
- C. Maintain records of placed concrete items. Record date, location of pour, quantity, air temperature, and test samples taken.

3.12 PROTECTION

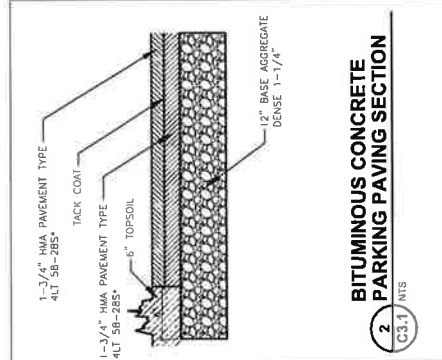
- A. Immediately after placement, protect pavement from premature drying, excessive hot or cold temperatures, and mechanical injury.
- B. Do not permit pedestrian traffic over pavement for 7 days minimum after finishing.

END OF SECTION

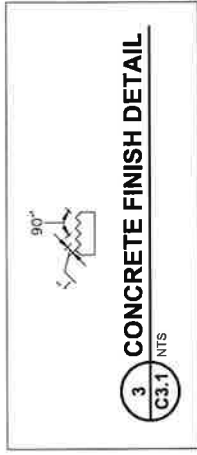
STANDARD DETAILS



1 PROPOSED LAUNCH SECTION
C3.1 NTS



2 BITUMINOUS CONCRETE PARKING PAVING SECTION
C3.1 NTS



Martenson & Eisele, Inc.
1377 Midway Road
Martinson, WI 53552
Environmental Engineering
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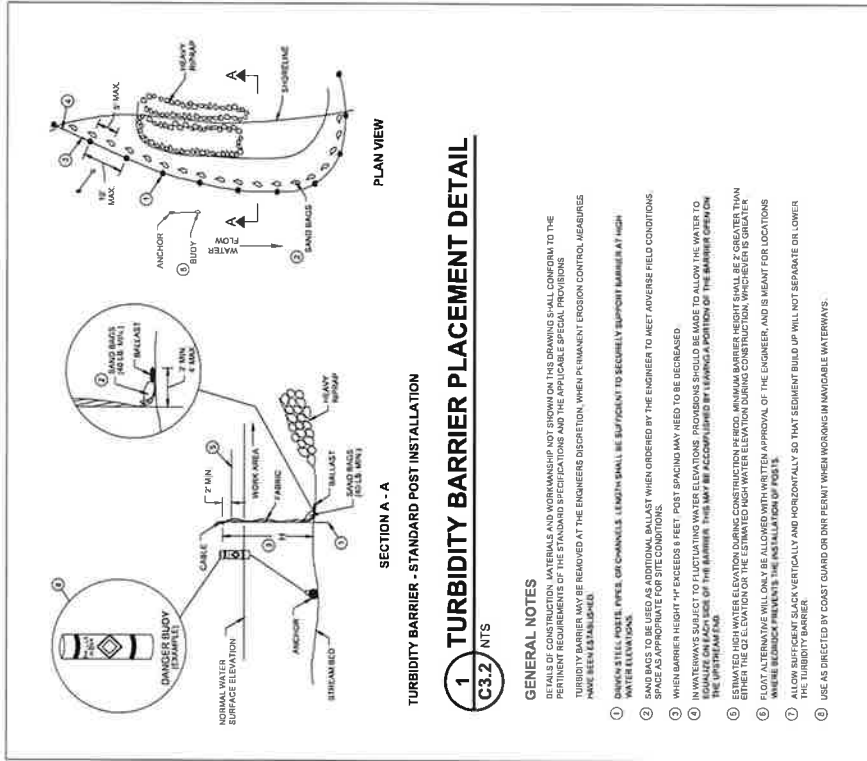
NO.	DATE	BY	CHKD	APP'D	REVISION
1	02-27-2024	DM	DM	DM	ISSUE FOR PERMITS
2	05-15-2024	DM	DM	DM	REVISED PER COMMENTS

STANDARD DETAILS
FARO SPRINGS ROAD
PUBLIC ACCESS IMPROVEMENTS
TOWN OF STOCKBRIDGE, CALUMET COUNTY, WISCONSIN

SCALE: 1/4" = 1'-0"
DATE: 04-26-2023
DRAWN BY: JRS
CHECKED BY: DM
APPROVED BY: DM
PROJECT FILE: 1-1126-00-02-ANG

NOT FOR CONSTRUCTION

STANDARD DETAILS



1 TURBIDITY BARRIER PLACEMENT DETAIL

C3.2 NTS

GENERAL NOTES

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS AND THE APPROPRIATE SPECIAL PROVISIONS THEREIN. TURBIDITY BARRIERS SHALL BE REMOVED AT THE ENGINEER'S DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.
2. DUNE/STILL POSTS, PILES, OR CHANNELS, LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIERS AT HIGH WATER ELEVATIONS.
3. SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACING AS APPROPRIATE FOR SITE CONDITIONS.
4. WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.
5. IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO MOVE UP THE BARRIER. THIS MAY BE ACCOMPLISHED BY PLACING A PORTION OF THE BALLAST OPEN ON THE UPSTREAM END.
6. ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD, MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE CE ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
7. FLOT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BARRIERS PREVENTS THE INSTALLATION OF POSTS.
8. ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
9. USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.

EROSION CONTROL NOTES	
1.	CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES EROSION CONTROL MANUAL AND THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES EROSION CONTROL ACCREDITATION PLAN (CAP) AND THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES EROSION CONTROL ACCREDITATION PLAN (CAP) AND THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES EROSION CONTROL ACCREDITATION PLAN (CAP).
2.	ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY EXCAVATION OR CONSTRUCTION OF EROSION SURFACE MATERIAL ON THE SITE.
3.	EROSION CONTROL MEASURES SHALL BE CHECKED FOR PROPER INSTALLATION AND MAINTENANCE BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES EROSION CONTROL ACCREDITATION PLAN (CAP) AND THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES EROSION CONTROL ACCREDITATION PLAN (CAP).
4.	EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL BE REMOVED OR ADJUSTED AS NECESSARY. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL BE REMOVED OR ADJUSTED AS NECESSARY.
5.	ALL OFF-SITE EROSION EXPOSURES OCCURRING AS A RESULT OF CONSTRUCTION SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. CONSTRUCTION ACTIVITIES SHALL PERMANENTLY CEASE ON ANY EROSION CONTROL MEASURES THAT ARE DAMAGED OR DESTROYED. STABILIZATION SHALL BE IMPLEMENTED WITHIN SEVEN DAYS. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL BE REMOVED OR ADJUSTED AS NECESSARY.
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TOWN OF STOCKBRIDGE, CALUMET COUNTY, WISCONSIN	
FARO SPRINGS ROAD	
PUBLIC ACCESS IMPROVEMENTS	
STANDARD DETAILS	
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 Surveying
 info@martensoneisele.com
 www.martensoneisele.com
 920.731.0381 / 1.800.238.0381
 Architecture

NOT FOR CONSTRUCTION

DRAWING NO.
C3.2

TITLE
BAR SCALE
DATE
COMPILED FILE
1/1/24 09:00:00 AM