

Kalkaska County Road Commission

1049 Island Lake Road
Kalkaska, MI 49646
Telephone: 231.258.2242
Facsimile: 231.258.8205

The Kalkaska County Road Commission is an Equal Opportunity Provider and Employer



Financial assistance provided by the State High Water Infrastructure Grant Program, authorized under Section 1006 of Public Act 87 of 2021

February 26, 2024

REQUEST FOR BIDS – HMA BASE CRUSH AND SHAPE AND HMA PLACEMENT AND REMOVAL OF TWO BRIDGES, REPLACE WITH TWO TIMBER BRIDGES. TIMBER BRIDGES WILL BE SUPPLIED TO SITE BY THE OWNER.

Sealed bids will be received until **9:00 a.m. May 8, 2024**, at which time they will be publicly opened and read. Bids shall be received at the office of the Kalkaska County Road Commission, 1049 Island Lake Road, Kalkaska, MI 49646. Bids will be tabulated and a recommendation will be made to the Board of Road Commissioners.

The Kalkaska County Road Commission requests bids for the following:

Underhill Road over the Rapid River. Reconstruction of Underhill Road and two Timber Bridges with 11' lanes and 2' aggregate shoulders. The road structure will consist of 2" HMA and 6" of aggregate.

Bids must be submitted on Kalkaska County Road Commission's Contractor Bid Form.

All mix shall be 4EML as specified on bid form, PG 58-28 liquid asphalt that complies with the Kalkaska County Road Commission Special Provision for Acceptance of HMA Mixture.

The contractor will coordinate the work with the Kalkaska County Road Commission. Project shall be completed by **October 01, 2024** unless otherwise agreed to by the contractor and the Road Commission. Traffic control will be provided by the contractor, performed in accordance with the current Michigan Manual of Uniform Traffic Control Devices and shall be included in the unit prices on the bid forms. Mobilization will be included in the unit price for each pay item and will not be a separate pay item.

Bid price shall include mixing, hauling, placing and compacting the mix in accordance with the current MDOT Standard Specifications for Construction and the Kalkaska County Road Commission Special Provision for Acceptances of HMA Mixture. Bid price shall also include all pay items listed on the "Contractor Bid Form".

The Kalkaska County Road Commission reserves the right to adjust quantities, to accept or reject any or all bids, to waive any irregularity or defect in a bid, or to accept the bid, which, in the opinion of the Road Commission is in the best interest of the county. The successful bidder shall enter into a contract with and provided by the Road Commission. Label bid "**Underhill Road over Rapid River Construction Bid**" plainly on the outside of a sealed envelope.

John S. Rogers Manager

Progress Clause

The Owner anticipates that construction can begin no earlier than April 10, 2024.

In no case shall any work be commenced prior to receipt of formal notice of award by the Owner.

The Contractor shall prepare and submit a complete, detailed, and signed MDOT Form 1130, Progress Schedule, according to 12SP-101A.

The Progress Schedule shall include, at minimum, the controlling work items for the completion of the project, as well as the planned dates or work days that these work items will be controlling operations. All contract dates including open to traffic, project completion, interim completion and any other controlling dates in the contract, must be included in the progress schedule.

If the bidding Proposal specifies other controlling dates, these shall also be included in the Progress Schedule.

The Project shall be completed in its entirety including final site restoration and clean-up

On or before October 01, 2024

Once work begins, it shall be continuous and be complete within 120 calendar days

After award and prior to the start of work, the Contractor must attend a preconstruction meeting with the Engineer. The Engineer will determine the day, time and place for the preconstruction meeting. The meeting will be conducted after project award and may be rescheduled if there are delays in the award of the project. The named subcontractor(s) for Designated and/or Specialty Items, as shown in the Proposal, should attend the preconstruction meeting if such items materially affect the work schedule.

Liquidated Damages shall be assessed in accordance with Section 108.10 of the 2020 Standard Specifications.

A road reconstruction project will be completed on North and East Underhill Road. Contractor shall coordinate their operations with the bridge Contractor.

HMA Application Estimate

Description.

This work shall be done in accordance with the requirements of Division 5 of the Michigan Department of Transportation 2020 Standard Specifications for Construction except as herein specified.

Materials.

The HMA, 4EML (Identity 1) for Top Course shall have a yield of 220 pound per square yard.

The HMA, 4EML (Identity 2) for wedging shall have a variable yield.

The HMA, 4EML (Identity 3) for Approaches shall have a yield of 220 pound per square yard.

The Aggregate Wear Index for all top course applications shall be 220 minimum.

The Performance Grade Asphalt Binder for the Mixture shall be 58-28.

Target Air Voids shall be regressed to 3.0%.

Use of Recycled Asphalt Shingles (RAS) is prohibited.

The HMA Bond Coat material shall be per subsection 501.02.

Construction.

The Nuclear Gauge Method of testing compaction shall apply.

The HMA Bond Coat shall be constructed per subsection 501.03.D. The uniform rate of application shall be 0.05 to 0.15 gallons per square yard. This is for information only and is included in the cost of associated pay items.

Contractor shall provide a lab, testing equipment, and materials for acceptance testing conducted on behalf of the owner that is certified in accordance with 12SP-501I-01 series (Acceptance of Hot Mix Asphalt Mixture on Local Agency Projects).

Measurement and Payment.

Measurement and Payment shall be at the contract unit price per ton.

ACCEPTANCE OF HMA MIXTURE

Description.

This special provision provides acceptance-testing requirements for use on this project. The HMA mixture and mixture quality assurance and acceptance shall conform to section 501 of the Michigan Department of Transportation 2020 Standard Specifications for Construction except where modified herein. The MDOT HMA Production Manual, current edition, applies to this work.

Submittals.

Submit a mix design previously approved by MDOT (or equivalent independent verification approved by the Engineer) from within 1 year of the project start date, for the Engineer's review and approval. The Contractor shall not place any HMA without an approved mix design by the Road Commission.

Materials.

Aggregates, mineral filler (if required), and asphalt binder shall be combined as necessary to produce a mixture proportioned within the master gradation limits called for in the project and meeting the uniformity tolerances listed in Table 1 and the quality assurance testing tolerances in Table 2 of this special provision. The master gradation range is to be used for establishing mix design only. Topsoil, clay, or loam shall not be added to aggregates which are to be used in plant mixed HMA mixtures.

Asphalt Binder.

Liquid asphalt binder shall be a Performance Graded (PG) binder as specified in the bid requests and/or approved by the Road Commission.

Air Voids.

Design air voids will be 4.0% and shall be regressed to 3.0% in production by the addition of virgin liquid asphalt.

Recycled Asphalt Pavement (RAP).

RAP is limited to Tier 1. The binder grade shall be PG 58-28.

Tier 1 - (0% to 17% RAP binder by weight of the total binder in the mixture). No binder grade adjustment is required to compensate for the stiffness of the asphalt binder in RAP.

Construction.

After the job-mix-formula is established, the aggregate gradation and the binder content of the HMA mixture furnished for the work shall be maintained within the Range 1 uniformity tolerance limits permitted for the job-mix-formula specified in Table 1. However, if deviations are predominantly either below or above the job-mix-formula, the Engineer may order alterations in the plant to bring the mixture to the job-mix-formula. If two consecutive aggregate gradations on one sieve, or binder contents as determined by the field tests, are outside Range 1 but within Range 2 tolerance limits, the Contractor shall suspend all operations. Contract time will continue during these times when the plant is down. Before resuming any production, the Contractor shall propose, for the Engineer's approval, all necessary alterations to the materials or plant so that the job-mix-formula can be maintained. The Engineer, after evaluating for effects on AWI and mix design properties, will approve or disapprove such alterations.

At no time shall the asphalt binder content fall below 5.0% regardless of the tolerance listed.

Random liquid asphalt binder samples will be taken by the Road Commission. The Road Commission reserves the right to test any or all samples taken.

The crushed particle content of the aggregate used in the HMA mixture shall not be more than 10 percentage points above or below the crushed particle content used in the job-mix-formula nor less than the minimum specified for the aggregate in the project documents.

The Road Commission will perform quality assurance sampling and testing, using the sampling and testing option selected by the Road Commission. Mixture QA testing will be performed at the Contractor’s facility, using the Contractor’s equipment, at no additional cost to the Owner. Quality control measures to ensure job control are the responsibility of the Contractor. Quality assurance and acceptance testing will be as follows:

1. Sampling
Acceptance sampling and testing will be performed by the Road Commission using the sampling method and testing option selected by the Road Commission. Each day of production, random samples will be obtained for each mix type. Acceptance testing will be performed at a frequency specified by the Road Commission.
2. Mixture Testing
Mixture samples will be tested to verify gradation, binder content and volumetric properties.
3. Density
Pavement density may be measured by the Road Commission, with a Nuclear Density Gauge or by 6-inch core sampling. The Gmm from the JMF will be used for the density control target. The in-place density of the HMA mixture shall be at least 92.0% of the density control target. In place density will be calculated by averaging a minimum of four QA density test locations.

Table 1: Uniformity Tolerance Limits for HMA Mixtures

Parameter	TOP & LEVELING COURSE	
	* Range 1	Range 2
% Passing # 8 and Larger Sieves	± 5.0	± 8.0
% Passing # 30 Sieve	± 4.0	± 6.0
% Passing # 200 Sieve	± 1.0	± 2.0
*This range allows for normal mixture and testing variations. The mixture shall be proportioned to test as closely as possible to the Job-Mix-Formula.		

Table 2: HMA Quality Assurance Testing Tolerances (±) from the JMF

Parameter	Double Test per Lot (c)	Lot Average
Air Voids	1.00%	0.60%
Voids in Mineral Aggregate VMA (a)	1.20%	0.75% (b)
Maximum Specific Gravity (Gmm) (a)	0.019	0.012

Binder Content (a) (d)	0.50%	0.35%
<ul style="list-style-type: none"> a. Parameters with target values b. Or less, determined by VMA value in contract documents c. "Double Tests per Lot" refers to any two subplot tests in any one lot d. Binder content shall not fall below 5.0% at any time regardless of the tolerance listed 		

Rejected Mixtures.

1. Gradation

If for any one mixture, two consecutive aggregate gradations on one sieve as determined by field tests exceed the uniformity tolerance of Range 2 under Table 1, or do not meet the minimum requirements for crushed particle content specified in the project documents, the mixture will be rejected. If such mixtures are placed in a pavement, the remaining portions of the failing field samples (split sample) will be sent to an independent laboratory to confirm the field test results. If the laboratory's results do not confirm the field test results and there are no price adjustments required due to test failures on the asphalt binder, then no price adjustments will be made for the mixture involved. If the laboratory's results confirm the field test results and if, in the Engineer's judgment, the defective mixture can remain in place and there are no price adjustments required due to test failures on the asphalt binder, the contract unit price for the defective mixture involved, as determined from field tests, will be decreased on the following basis:

The contract unit price for material outside of Range 2 or with a crushed particle content below that specified in the project documents will be decreased 25 percent.

If three consecutive aggregate gradations on one sieve, or asphalt binder contents as determined by field tests are outside Range 1 but within Range 2 tolerance limits, the mixture produced from the time the third sample was taken until the gradation, or asphalt binder content is corrected back into Range 1 will be decreased in contract unit price by 10 percent. Field tests indicating that mixtures are subject to the 10 percent penalty will be confirmed in the same manner as mixtures subject to the 25 percent penalty as described herein.

If a liquid asphalt binder sample does not meet the required specification, the mix produced from the point of the last liquid asphalt binder sample meeting specification to the failed sample shall be considered defective and shall be replaced at the sole expense of the contractor. This may also result in the termination of the contract and/or the right to bid on any future work.

2. Volumetric Properties

Acceptability tolerance for Air Void, VMA Gmm and Binder Content are shown in Table 2. Material produced outside of Table 2 tolerance limits will be rejected.

3. Pavement Density

A negative 10% adjustment in the HMA mixture unit contract price will be imposed on the lot or subplot if either the lot pavement density (average of all lot gauge readings or core results) is less than 92%, but equal to or greater than 91%; or if 2 or more readings or cores in any given subplot are less than 91%.

A negative 25% adjustment in the HMA mixture unit contract price will be imposed on the lot or subplot if either the lot pavement density (average of all lot gauge readings or core results) is less than 91%, but equal to or greater than 90%; or if 2 or more readings or cores in any given subplot are less than 90%.

If any subplot has an average density of less than 90%, the Contractor shall remove and replace the entire subplot at no cost to the owner.

Slope Restoration

Description.

This work shall consist of all labor, equipment, and materials required to provide screened topsoil, fertilizer, seed, and mulch on disturbed areas and newly graded surfaces of the project. The Work shall consist of preparing the foundation, machine grading to place the topsoil, fertilizing, seeding, and mulching areas as required.

Material.

Provide materials in accordance with Section 816 of the Standard Specifications for Construction.

Construction.

As directed by the Engineer, **Slope Restoration** may include, but is not limited to, the following work: placing and grading screened topsoil, fertilizer, seed, mulch, and mulch anchoring. All disturbed areas shall be restored.

Unless otherwise specified herein, all work shall be in accordance with sections 816, 911, and 917 of the Standard Specifications for Construction.

Supplier's certifications for all materials used for slope restoration shall be supplied to the Engineer prior to commencing slope restoration efforts. Engineer will verify that all materials adhere to Sections 816, 911, and 917 of the Standard Specifications for Construction prior to the commencement of slope restoration efforts. All certifications shall be supplied to the Engineer a minimum of 5 working days prior to scheduled date of starting slope restoration.

Hay Mulch will not be permitted unless otherwise directed by the Engineer.

Hydro Seeding may be an acceptable alternate method of slope restoration. All areas restored using this method shall receive straw mulch unless otherwise approved by the Engineer.

Any washouts or damage caused by rain or for reasons attributable to the Contractor's activity or failure to take proper precautions shall be cleaned up and repaired at the Contractor's expense within five (5) days of notice.

If weeds are determined by the Engineer to account for more than 10% of the area that slope restoration efforts are applied to, the Contractor shall provide weed control in accordance with Subsection 816.03 of the Standard Specifications for Construction. Additional payment will not be made for weed control.

Slope Restoration will be accepted when at least 85% vegetative coverage is achieved, unless otherwise approved by the Engineer.

If the seeded area does not reach the acceptable level of vegetative coverage, as defined in this special provision, at the end of the first growing season as defined as May 1st to October 1st, the Contractor is responsible to provide additional slope restoration in accordance with this special provision until slope restoration is accepted by the Engineer. Additional payment will not be made for these activities.

All waste generated shall be disposed of in accordance with subsection 205.03 of the Standard Specifications for Construction at the Contractor's expense. All disturbed areas shall be restored.

Measurement and Payment.

Measurement for **Slope Restoration** shall be in stations, defined as 100 foot in length, along the proposed centerline of Hoiles Drive (**one side** being included in one station), with no deductions for driveways or intersections. The completed work as measured for Slope Restoration will be paid for at the contract unit price for the following contract item (pay item):

<u>Pay Item</u>	<u>Pay Unit</u>
Slope Restoration	Station

Payment for Slope Restoration shall include all labor, equipment, and materials to complete this work.

Payment will be made to the Contractor as follows:

A payment of 50% of the total pay item will be paid upon completion of placing and grading topsoil, fertilizer, seed, mulch, and mulch anchoring on all disturbed areas within the project limits.

The remaining 50% of the total pay item will be paid upon completion of all other necessary work to comply with this special provision and final acceptance is granted by the Engineer.

Maintaining Traffic

General.

Traffic shall be maintained in accordance with Subsections 104.07C, 104.11 and Section 812 of the 2020 Standard Specifications, including any Supplemental Specifications, and as herein specified. Traffic shall be maintained using single lane closures. The Contractor shall coordinate his operations with Contractors performing work on other projects within or adjacent to the Construction Influence Area (CIA).

Construction Influence Area (CIA).

The CIA shall include the right-of-way of the following roadways, within the approximate limits described below:

Hoiles Drive from the furthest placed construction sign east and west of the project limits to the furthest placed construction sign north and south of the project limits.

In addition, the CIA shall include the right-of-way of any intersecting roads adjacent to the work zone to the furthest placed construction sign.

Traffic Restrictions.

No work shall be permitted on Sundays, or during any holiday period as defined below:

Memorial Day from 3:00 pm, Friday, 05/24/24 to 6:00 am, Tuesday, 05/28/24

Independence Day from 3:00 pm, Wednesday, 07/03/24 to 6:00 am, Monday, 07/08/24

Labor Day from 3:00 pm, Friday, 08/30/24 to 6:00 am, Tuesday, 09/03/24

Access shall be provided for School Buses and Emergency Services at all times. Commercial and residential driveways shall remain accessible at all times. The Contractor shall maintain access to the residents within this project at all times through the use of the following:

WZD 100A	Ground Driven Sign Supports for Temp Signs
WZD 125-E	Temporary Traffic Control Devices
100-GEN-KEY	Typical Numbering Key
100-GEN-SPACING-CHARTS	"B", "D", and "L" Tables, Channelizing Device Spacing, Sign Border Key, and Roll-Ahead Spacing
102-GEN-NOTES	Traffic Control Typical Note Sheet
103-GEN-SIGNS	Traffic Control Typical Sign Sheet
110-TR-NFW-2L	Lane Closure Utilizing Traffic Regulators on a 2-Lane Undivided Roadway

Sign W5-18b will not be required. Lane closure will be limited to 1 mile in length.

Traffic Control Devices.

All traffic control devices and their usage shall conform to the Michigan Manual of Uniform Traffic Control Devices (MMUTCD), 2011 edition as revised, and as specified herein.

Utility Coordination Clause

The contractor shall cooperate and coordinate construction activities with the owners of utilities as stated in subsection 104.08 of the 2020 Standard Specifications. In addition, for the protection of underground utilities, the contractor shall follow the requirements in subsection 107.12 of the MDOT 2020 Standard Specifications. Contractor delay claims, resulting from a utility, will be determined based upon subsection 108.09 of the MDOT 2020 Standard Specifications.

Public Utilities

The following Public Utilities have facilities located within the Right-of-Way:

Coli, Inc. Fiber Optics, Rapid City, MI 49676; ph: 231-331-4622

Frontier Communications, 3840 US 23 North, Alpena, MI 49707; Contact Person: John Kuziel, ph: 989-357-6659.

Great Lakes Energy Cooperative, 1323 Boyne Ave, Boyne City, MI 49712; Contact Person: Steve Murray, ph: 1-800-442-2796, ext. 1314.

Riverside Energy Michigan, LLC, Gas, ph: 989-786-7046

The owners of existing service facilities that are within grading or structure limits will move them to locations designated by the Engineer or will remove them entirely from the highway Right-of-Way. Owners of Public Utilities will not be required by the County to move additional poles or structures in order to facilitate the operation of construction equipment unless it is determined by the Engineer that such poles or structures constitute a hazard to the public or are dangerous to the Contractor's operations.

For protection of underground utilities and in conformance with Public Act 174, 2013, the Contractor shall dial 811 a minimum of three full working days, excluding Saturdays, Sundays, and holidays prior to beginning each excavation in areas where public utilities have not been previously located. Members will thus far be routinely notified. This does not relieve the contractor of the responsibility of notifying utility owners who may not be a part of the "Miss-Dig" alert system.

Michigan Department of Transportation Specifications

All work will be completed in accordance with the Michigan Department of Transportation (MDOT) 2020 Standard Specifications for Construction, as amended, and as here-in modified. The specifications can be found at the following website.

<https://www.michigan.gov/mdot/0,1607,7-151-9622---,00.html>



NOTICE OF AUTHORIZATION

Permit Number: WRP040807 v. 1
Site Name: 40 - Underhill Road over Rapid River

Date Issued: April 1, 2024
Expiration Date: April 1, 2029

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, P.O. Box 30458, Lansing, Michigan 48909-7958, under provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended: specifically:

- Part 31, Floodplain Regulatory Authority of the Water Resources Protection.
- Part 301, Inland Lakes and Streams.
- Part 303, Wetlands Protection.
- Part 315, Dam Safety.
- Part 323, Shorelands Protection and Management.
- Part 325, Great Lakes Submerged Lands.
- Part 353, Sand Dunes Protection and Management.


Authorized activity:

Remove the two existing 18-foot long by 18-foot span by 6.25-foot rise concrete box beam bridges and construct two 26-foot long by 47-foot span by 6.25-foot rise three span timber bridges. Remove the existing 44-foot long by 1.25-foot diameter culvert and replace with 48-foot-long culvert two feet wide. Place a total of .05-acres of fill within wetland to accommodate new side slopes for new structure approaches and roadway.

To be conducted at property located in: Kalkaska County, Waterbody: Rapid River
Section 13, Town 28N, Range 08W, Clearwater Township

Permittee:

John Rogers
Kalkaska County Road Commission
1049 Island Lake Drive
Kalkaska, Michigan 49646

Issued By: 
Luke Golden
Cadillac District Office
Water Resources Division
989-370-1569

This notice must be displayed at the site of work.
Laminating this notice or utilizing sheet protectors is recommended.
Please refer to the above permit number with any questions or concerns.

EGLE
WRP040807 v1.0
Approved
Issued On:04/01/2024
Expires On:04/01/2029



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
WATER RESOURCES DIVISION PERMIT

Issued To:

John Rogers
Kalkaska County Road Commission
1049 Island Lake Drive
Kalkaska, Michigan 49646

Permit No: WRP040807 v.1
Submission No.: HQ1-Q1GD-V27NQ
Site Name: 40 - Underhill Road over Rapid River
Issued: April 1, 2024
Revised:
Expires: April 1, 2029

This permit is being issued by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division (WRD), under the provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA); specifically:

- Part 301, Inland Lakes and Streams
- Part 303, Wetlands Protection
- Part 315, Dam Safety
- Part 31, Water Resources Protection (Floodplain Regulatory Authority)
- Part 323, Shorelands Protection and Management
- Part 325, Great Lakes Submerged Lands
- Part 353, Sand Dunes Protection and Management

EGLE certifies that the activities authorized under this permit are in compliance with the State Coastal Zone Management Program and certifies without conditions under the Federal Clean Water Act, Section 401 that the discharge from the activities authorized under this permit will comply with Michigan’s water quality requirements in Part 31, Water Resources Protection, of the NREPA and associated administrative rules, where applicable.

Permission is hereby granted, based on permittee assurance of adherence to State of Michigan requirements and permit conditions, to:

Authorized Activity:

Remove the two existing 18-foot long by 18-foot span by 6.25-foot rise concrete box beam bridges and construct two 26-foot long by 47-foot span by 6.25-foot rise three span timber bridges. Remove the existing 44-foot long by 1.25-foot diameter culvert and replace with 48-foot-long culvert two feet wide. Place a total of .05-acres of fill within wetland to accommodate new side slopes for new structure approaches and roadway.

Waterbody Affected: Rapid River
Property Location: Kalkaska County, Clearwater Township, Town/Range/Section 28N/08W13,
Property Tax No.

EGLE
WRP040807 v1.0
Approved
Issued On:04/01/2024
Expires On:04/01/2029

Authority granted by this permit is subject to the following limitations:

- A. Initiation of any work on the permitted project confirms the permittee's acceptance and agreement to comply with all terms and conditions of this permit.
- B. The permittee, in exercising the authority granted by this permit, shall not cause unlawful pollution as defined by Part 31 of the NREPA.
- C. This permit shall be kept at the site of the work and available for inspection at all times during the duration of the project or until its date of expiration.
- D. All work shall be completed in accordance with the approved plans and specifications submitted with the application and/or plans and specifications attached to this permit.
- E. No attempt shall be made by the permittee to forbid the full and free use by the public of public waters at or adjacent to the structure or work approved.
- F. It is made a requirement of this permit that the permittee give notice to public utilities in accordance with 2013 PA 174 (Act 174) and comply with each of the requirements of Act 174.
- G. This permit does not convey property rights in either real estate or material, nor does it authorize any injury to private property or invasion of public or private rights, nor does it waive the necessity of seeking federal assent, all local permits, or complying with other state statutes.
- H. This permit does not prejudice or limit the right of a riparian owner or other person to institute proceedings in any circuit court of this state when necessary to protect his rights.
- I. Permittee shall notify EGLE within one week after the completion of the activity authorized by this permit.
- J. This permit shall not be assigned or transferred without the written approval of EGLE.
- K. Failure to comply with conditions of this permit may subject the permittee to revocation of permit and criminal and/or civil action as cited by the specific state act, federal act, and/or rule under which this permit is granted.
- L. All dredged or excavated materials shall be disposed of in an upland site (outside of floodplains, unless exempt under Part 31 of the NREPA, and wetlands).
- M. In issuing this permit, EGLE has relied on the information and data that the permittee has provided in connection with the submitted application for permit. If, subsequent to the issuance of a permit, such information and data prove to be false, incomplete, or inaccurate, EGLE may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
- N. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents, and representatives for any and all claims or causes of action arising from acts or omissions of the permittee, or employees, agents, or representative of the permittee, undertaken in connection with this permit. The permittee's obligation to indemnify the State of Michigan applies only if the state: (1) provides the permittee or its designated representative written notice of the claim or cause of action within 30 days after it is received by the state, and (2) consents to the permittee's participation in the proceeding on the claim or cause of action. It does not apply to contested case proceedings under the Administrative Procedures Act, 1969 PA 306, as amended, challenging the permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.
- O. Noncompliance with these terms and conditions and/or the initiation of other regulated activities not specifically authorized shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, EGLE may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.

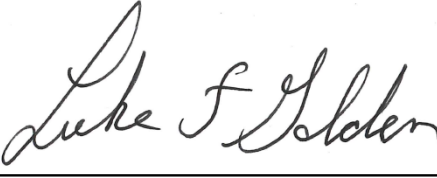
- P. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity from EGLE. Such revision request shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by EGLE prior to being implemented.
- Q. This permit may be transferred to another person upon written approval of EGLE. The permittee must submit a written request to EGLE to transfer the permit to the new owner. The new owner must also submit a written request to EGLE to accept transfer. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties that includes all the above information may be provided to EGLE. EGLE will review the request and, if approved, will provide written notification to the new owner.
- R. Prior to initiating permitted construction, the permittee is required to provide a copy of the permit to the contractor(s) for review. The property owner, contractor(s), and any agent involved in exercising the permit are held responsible to ensure that the project is constructed in accordance with all drawings and specifications. The contractor is required to provide a copy of the permit to all subcontractors doing work authorized by the permit.
- S. Construction must be undertaken and completed during the dry period of the wetland. If the area does not dry out, construction shall be done on equipment mats to prevent compaction of the soil.
- T. Authority granted by this permit does not waive permit requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA, or the need to acquire applicable permits from the County Enforcing Agent (CEA).
- U. Authority granted by this permit does not waive permit requirements under the authority of Part 305, Natural Rivers, of the NREPA. A Natural Rivers Zoning Permit may be required for construction, land alteration, streambank stabilization, or vegetation removal along or near a natural river.
- V. The permittee is cautioned that grade changes resulting in increased runoff onto adjacent property is subject to civil damage litigation.
- W. Unless specifically stated in this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the water body are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
- X. For projects with potential impacts to fish spawning or migration, no work shall occur within fish spawning or migration timelines (i.e., windows) unless otherwise approved in writing by the Michigan Department of Natural Resources, Fisheries Division.
- Y. Work to be done under authority of this permit is further subject to the following special instructions and specifications:
1. All work shall be completed in accordance with plans attached and kept on file at the EGLE'S, WRD, Transportation Review Unit.
 2. Authority granted by this permit does not waive compliance requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA. Any discharge of sediment into waters of the state and/or off the road right-of-way is a violation of this permit, Part 91, and Part 31, Water Resources Protection, of the NREPA. A violation of these parts subjects the permittee to potential fines and penalties.

3. This permit does not authorize or sanction work that has been completed in violation of applicable federal, state, or local statutes.
4. The permittee is responsible for acquiring all necessary easements or rights-of-way before commencing any work authorized by this permit. All construction operations relating to, or part of this project shall be confined to the existing right-of-way limits or other acquired easements.
5. Temporary soil erosion and sedimentation control measures shall be installed before or upon commencement of the earth change and shall be maintained daily. Temporary soil erosion and sedimentation control measures shall be maintained until permanent soil erosion and sedimentation control measures are in place and the area is stabilized. Permanent soil erosion and sedimentation control measures for all slopes, channels, ditches, or any disturbed area shall be installed within five (5) calendar days after final grading, or the final earth change has been completed.
6. All raw areas in uplands resulting from the permitted construction activity shall be effectively stabilized with sod and/or seed and mulch (or other technology specified by this permit or project plans) in a sufficient quantity and manner to prevent erosion and any potential siltation to surface waters or wetlands. Temporary stabilization measures shall be installed before or upon commencement of the permitted activity and shall be maintained until permanent measures are in place. Permanent measures shall be in place within five (5) days of achieving final grade.
7. All raw earth within 100 feet of a lake, stream, or wetland that is not brought to final stabilization by the end of the active growing season shall be temporarily stabilized with mulch blankets in accordance with the following dates: September 20th for the Upper Peninsula, October 1st for the Lower Peninsula north of US-10, and October 10th for the Lower Peninsula south of US-10.
8. This permit placard shall be kept posted at the work site, in a prominent location at all times for the duration of the project, or until permit expiration.
9. This permit is being issued for the maximum time allowed and no extensions of this permit will be granted. Initiation of the construction work authorized by this permit indicates the permittee's acceptance of this condition. The permit, when signed by EGLE, will be for a five-year period beginning at the date of issuance. If the project is not completed by the expiration date, a new permit must be sought.

10. All slurry resulting from any dewatering operation shall be discharged through a filter bag or pumped to a sump located away from wetlands and surface waters and allowed to filter through natural upland vegetation, gravel filters, or other engineered devices for a sufficient distance and/or period of time necessary to remove sediment or suspended particles. The discharge of slurry water resulting from the hydrodemolition of concrete is not allowed to enter a lake, stream, or wetland.
11. All dredge/excavated spoils including organic and inorganic soils, vegetation, and other material removed shall be placed on upland (non-wetland, non-floodplain or non-bottomland), prepared for stabilization, and revegetated and reseeded with native Michigan species appropriate to the site and mulched in such a manner so as to prevent and ensure against erosion of any material into any waterbody, wetland, or floodplain.
12. During removal or repair of the existing structure, every precaution shall be taken to prevent debris from entering any watercourse. Any debris reaching the watercourse during the removal and/or reconstruction of the structure shall be immediately retrieved from the water. All material shall be disposed of in an acceptable manner consistent with local, state, and federal regulations.
13. The use of explosives for removal of the structure over the waterbody, including any abutments or piers, is strictly prohibited.
14. Prior to the removal of the existing structures, cofferdams of steel sheet piling, gravel bags, clean stone, coarse aggregate, concrete or other acceptable barriers shall be installed to isolate all construction activity from the water. The barriers shall be maintained in good working order throughout the duration of the project. Upon project completion, the accumulated materials shall be removed and disposed of at an upland site.
15. All cofferdam and temporary steel sheet pile shall then be removed in its entirety, unless specifically shown to be left in plan on the accepted plans. Cofferdam and sheet pile that is left in place shall be cut off at the elevation shown on the plans and shall be a minimum of one foot below the stream bottom.
16. The road fill side slopes shall not be steeper than 1-on-2 (1 vertical to 2 horizontal) except where headwalls of reinforced concrete, mortar masonry, dry masonry, or other acceptable methods are used.

17. Road fill side slopes terminating in the stream and any raw streambanks resulting from the construction, shall be stabilized with temporary measures in accordance with appropriate Best Management Practices based on site conditions, and if necessary, may be riprapped extending above the ordinary high-water mark, before or upon commencement of the permitted activity. Temporary stabilization measures shall be maintained until permanent measures are in place.
18. All other road fill slopes, ditches, and other raw areas draining directly to the stream may be protected with riprap, sod and/or seed and mulch as may be necessary to provide effective erosion protection. The placement of riprap shall be limited to the minimum necessary to ensure proper stabilization of the side slopes and fill in the immediate vicinity of the structure.
19. If the project, or any portion of the project, is stopped and lies incomplete for any length of time (other than that encountered in a normal work week) every precaution shall be taken to protect the incomplete work from erosion, including the placement of temporary gravel bag riprap, temporary seeding and mulching, or other acceptable temporary protection.
20. No work shall be done in the stream during periods of above-normal flows except as necessary to prevent erosion.
21. Unless specifically stated under the "Permitted Activity" of this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the waterbody are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
- 22. Stormwater shall not directly discharge to the stream.**
- 23. Prior to the start of construction, all adjacent non-work wetland areas shall be protected by properly trenched sedimentation barrier to prevent sediment from entering the wetland. Orange construction fencing shall be installed as needed to prohibit construction personnel and equipment from entering or performing work in these areas. Fence shall be maintained daily throughout the construction process. Upon project completion, the accumulated materials shall be removed and disposed of at an upland site, the sedimentation barrier shall then be removed in its entirety and the area restored to its original configuration and cover.**

24. No work shall be done during the periods of October 1st through November 30th due to fish spawning in the fall.

Issued By: 

 Luke Golden
 Cadillac District Office
 Water Resources Division
 989-370-1569

THIS PERMIT MUST BE SIGNED BY THE PERMITTEE TO BE VALID.

I hereby assure that I have read, am familiar with, and agree to adhere to the terms and conditions of this permit.

Permittee Signature

Date

cc: Clearwater Township Clerk
 Kalkaska County Drain Commissioner
 Kalkaska County CEA

Schedule of Items (Itemized Bid Sheet)

Letting Date: Wednesday, May 8, 2024 9:00 AM

Contract ID: 23.120
Location: Underhill Road Crossing
Description:

Project Number: 23.120	Project Engineer: Rebecca Rivard, P.E.
Estimate Number: 1	Date Created: 2/26/2024
Project Type: Miscellaneous	Fed/State #:
Location: Underhill Road Crossing	Fed Item:
	Control Section:

Description:

Instructions to Bidders: IMPORTANT NOTICE:
If the proposal establishes a maximum price for any of the following work items, and if you bid a price higher than that maximum price, your bid will be considered to have quoted the maximum price and your bid total will be adjusted to reflect that maximum price.

If the proposal provides a specified price for any of the following work items, and if you bid a price higher or lower than that specified price, your bid will be adjusted to reflect that specified price.

If your bid is the lowest accepted bid, and if you refuse to accept the award of the contract due to the change in what you quoted as a maximum or specified price, you will forfeit your proposal guaranty.

Pay Item	Description	Quantity	Units	Unit Price		Bid Amount	
				Dollars	Cts	Dollars	Cts
2040035	Guardrail, Rem	212	Ft				
2040060	Structures, Rem	1	LSUM				
2050010	Embankment, CIP	150	Cyd				
2050016	Excavation, Earth	375	Cyd				
3020001	Aggregate Base	490	Ton				
3070001	Approach, CI I	100	Ton				
3070021	Approach, CI II	39	Ton				
3070121	Shld, CI II	30	Ton				
5010005	HMA Surface, Rem	1,410	Syd				
5010061	HMA Approach	35	Ton				
5012025	HMA, 4EML	150	Ton				
7097051	_ Structure, Timber, Installed	2	LSUM				
8007011	_ Slope Restoration	12	Syd				
8070025	Guardrail Anch, Bridge, Det T4	8	Ea				
8070044	Guardrail Approach Terminal, Type 2M	1	Ea				
8070050	Guardrail Departing Terminal, Type B	3	Ea				
8070080	Guardrail Reflector	16	Ea				
8072142	Guardrail, Curved, Type B, 96 inch Post	75	Ft				
8072176	Guardrail, Type T, 96 inch Post	175	Ft				
8072180	Guardrail, Type MGS-8, 108 inch Post	219.5	Ft				

Pay Item	Description	Quantity	Units	Unit Price		Bid Amount		
				Dollars	Cts	Dollars	Cts	
Total Bid:								

Contractor: _____

(Signature)

(Date)