



Janet T. Mills
GOVERNOR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Bruce A. Van Note
ACTING COMMISSIONER

January 11, 2019
Subject: Hancock Bridge
Replacement
State WIN: 021689.00
Location: **Embden**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE page 61 – 62, SPECIAL PROVISION – SECTION 403 – HOT MIX ASPHALT PAVEMENT, 2 pages, dated November 2, 2018 and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 403 – HOT MIX ASPHALT PAVEMENT, 2 pages, dated January 10, 2019.

ADD the attached Department of the Army, Army Corps of Engineers, Corps Permit No. NAE 2018-02434, 8 pages, dated 1-7-2019.

The following question has been received:

Question: Would the department accept a 65-gradation mix design?

Response: Yes, the Department will allow a 65-gradation mix. See attached, revised SPECIAL PROVISION – SECTION 403 – HOT MIX ASPHALT PAVEMENT.

Question: Current box culvert geometry is costly to manufacture. Will DOT revise the skewed end to reduce the skew from 10 feet shown to 4 feet?

Response: The Department does not plan on changing the skew on the upstream end of the box culvert. Reducing the skew will drastically reduce the clearance to the buried water main located upstream from the culvert. Future maintenance of the water main and the bridge would be very difficult with this reduced clearance.

The Contractor could pursue a value engineering change proposal in accordance with section 109.6 of the Standard Specifications. Reducing the skew on the upstream end of the box culvert would require shifting the water main further upstream to maintain the same horizontal clearance to the end of the box culvert. A value engineering change proposal would need to address the following items at a minimum:

1. Revised plans would need to be created by the Contractor.
2. The Contractor will need to coordinate and develop an agreement with the Anson & Madison Water District. Shifting the water main upstream would mostly likely result in the water main being located outside of the existing right of way. The Anson & Madison Water District would have to obtain permanent easements from the abutting landowners at additional cost. The right of way process will take several months to complete. The Anson & Madison Water District may need to revise the plans for the water main work.
3. MaineDOT may need to obtain revised environmental permits based on the revised plans.

The Contractor needs to aware that there is no guarantee from the Department that a Value Engineering Change Proposal will be approved.

Consider this change and information prior to submitting your bid on **January 16, 2019**.

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT PAVEMENT

Desc. Of Course	Grad Design.	Item Number	Bit Cont. % of Mix	Total Thick	No. Of Layers	Comp. Notes
<u>4" – Embden Pond Rd Travel Way, Shoulders & Widening – Full Depth Construction</u>						
Wearing	12.5 mm	403.208	N/A	1½"	1	1,2,4,10,17,22
Base	12.5 mm	403.213	N/A	2½"	1	1,2,4,10,17,22

COMPLEMENTARY NOTES

1. The required PGAB for this mixture will meet a **PG 64-28** grading. All mixtures under this contract placed after the travel way surface season limitations defined in the Standard Specifications, shall utilize a warm mix additive.
2. The incentive/disincentive provisions for density shall not apply. A **Quality Control Technician (QCT) equipped with a density meter** shall be required for all roadway mixtures placed under this contract. Rollers shall meet the requirements of section **401.10 Rollers** and this special provision. The use of an oscillating steel roller shall be required to compact all mixtures pavements placed on bridge decks.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **65 gyrations**.
10. Section 106.6 Acceptance, (2) Method D.
17. Compaction of the new Hot Mix Asphalt Pavement will be obtained using a minimal roller train consisting of a **10 ton** vibratory, **12 ton** pneumatic, and a **10 ton** finish roller for roadway work. Density testing of the mixture will be performed by the QCT using a density meter (according to ASTM D 2950). The mixture will be rolled until the density readings show less than 1 pcf change for the final roller passes. This density will be used as the target TMD for the mixture. The remaining mixture shall be compacted to a minimum density of 95% of the target density as determined in the control section. The Contractor shall make density test results, including randomly sampled densities, available to the Department's representative onsite. Summaries of each day's results, including a daily paving report, summarizing the mixture type, mixture temperature, equipment used, environmental conditions, and number of roller passes, shall be recorded and signed by the QCT and presented to the Department's representative by the end of the working day. The Department may require cores for informational purposes.
22. Prior to placing any mix, the Department and the Contractor shall hold a Pre-paving Conference to discuss the paving schedule, source of mix, type and amount of equipment to be used, sequence of paving pattern, project lots and traffic control. All personnel of the Department and the Contractor who have significant information relevant to the paving items shall attend, including the responsible onsite paving supervisor for the Contractor. The Resident will prepare minutes of the conference and distribute them to all attendees. Any requests to revise the minutes must be made to the Resident within 7 Days of Receipt. These minutes will constitute the final record of the Pre-paving conference.

Tack Coat

A tack coat of emulsified asphalt, RS-1, RS-1h, CRS-1, or CRS-1h Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.03 gal/yd², and on milled pavement approximately 0.05 gal/yd² prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim /base courses and surface course as well as to any bridge membrane prior to the placement of HMA layers at a rate not to exceed 0.03 gal/yd². Tack used will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO
ATTENTION OF

MAINE GENERAL PERMIT (GP)
AUTHORIZATION LETTER AND SCREENING SUMMARY

ENVIRONMENTAL OFFICE
MAINE DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333

CORPS PERMIT # NAE-2018-02434
CORPS GP ID# 18-638
STATE ID# PBR

DESCRIPTION OF WORK:

Place temporary and permanent fill below the ordinary high water mark of Hancock Brook at Embden, Maine in order to replace the existing deteriorated Embden Pond Road bridge. This work will result in approximately 1,700 s.f. of permanent and 650 s.f. of temporary stream bed impact. This work is shown on the attached plans entitled "Hancock Bridge (#3372), Embden Pond Road over Hancock Brook, Embden, Maine, MaineDOT WIN 21689.00" in four sheets dated "9/28/18".
DOT WIN: 21689.00

LAT/LONG COORDINATES : 44.929101° N -69.955175° W USGS QUAD: EMBDEN POND, ME

I. CORPS DETERMINATION:

Based on our review of the information you provided, we have determined that your project will have only minimal individual and cumulative impacts on waters and wetlands of the United States. Your work is therefore authorized by the U.S. Army Corps of Engineers under the enclosed Federal Permit, the Maine General Permit (GP). Accordingly, we do not plan to take any further action on this project.

You must perform the activity authorized herein in compliance with all the terms and conditions of the GP [including any attached Additional Conditions and any conditions placed on the State 401 Water Quality Certification including any required mitigation]. Please review the enclosed GP carefully, including the GP conditions beginning on page 5, to familiarize yourself with its contents. You are responsible for complying with all of the GP requirements; therefore you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

Condition 38 of the GP (page 16) provides one year for completion of work that has commenced or is under contract to commence prior to the expiration of the GP on October 13, 2020. You will need to apply for reauthorization for any work within Corps jurisdiction that is not completed by October 13, 2021.

This authorization presumes the work shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, please submit a request for an approved jurisdictional determination in writing to the undersigned.

No work may be started unless and until all other required local, State and Federal licenses and permits have been obtained. This includes but is not limited to a Flood Hazard Development Permit issued by the town if necessary.

II. STATE ACTIONS: PENDING [X], ISSUED [], DENIED [] DATE _____

APPLICATION TYPE: PBR: X, TIER 1: _____, TIER 2: _____, TIER 3: _____, LURC: _____, DMR LEASE: _____, NA: _____

III. FEDERAL ACTIONS:

JOINT PROCESSING MEETING: 10/11/18 LEVEL OF REVIEW: CATEGORY 1: _____ CATEGORY 2: X

AUTHORITY (Based on a review of plans and/or State/Federal applications): SEC 10 _____, 404 X, 10/404 _____, 103 _____

EXCLUSIONS: The exclusionary criteria identified in the general permit do not apply to this project.

FEDERAL RESOURCE AGENCY OBJECTIONS: EPA NO, USF&WS NO, NMFS NO

If you have any questions on this matter, please contact my staff at 207-623-8367 at our Augusta, Maine Project Office. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0

Jay L. Clement
JAY L. CLEMENT
SENIOR PROJECT MANAGER
MAINE PROJECT OFFICE

Frank J. Del Giudice 1/7/19
FRANK J. DEL GIUDICE
CHIEF, PERMITS & ENFORCEMENT BRANCH
REGULATORY DIVISION



**US Army Corps
of Engineers**
New England District

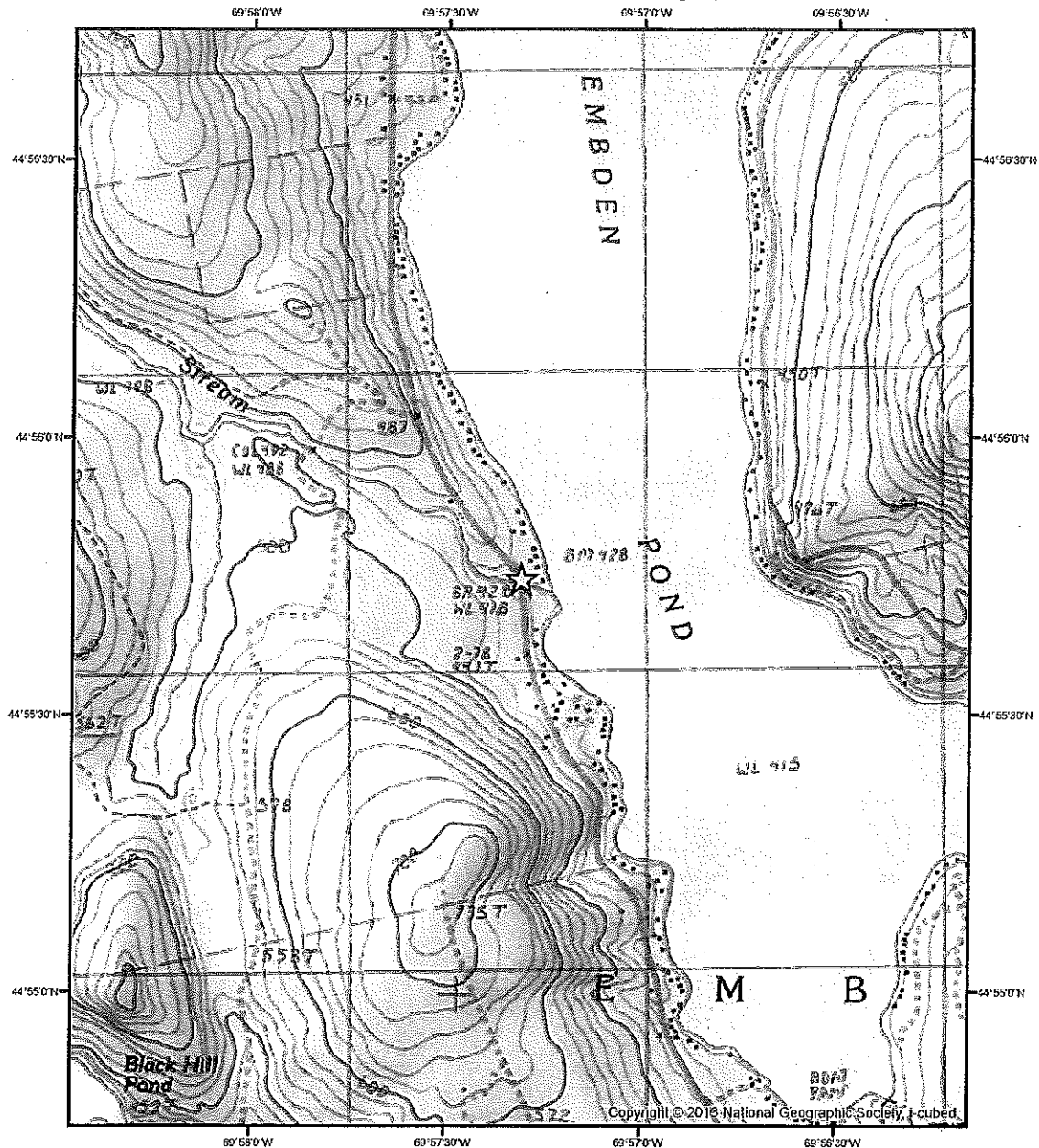
**PLEASE NOTE THE FOLLOWING CONDITIONS FOR
DEPARTMENT OF THE ARMY
GENERAL PERMIT
NO. NAE-2018-02434**

1. This authorization requires you to 1) notify us before beginning work so we may inspect the project, and 2) submit a Compliance Certification Form. You must complete and return the enclosed Work Start Notification Form(s) to this office at least two weeks before the anticipated starting date. You must complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work and any required mitigation (but not mitigation monitoring, which requires separate submittals).
2. The permittee shall assure that a copy of this permit is at the work site whenever work is being performed and that all personnel performing work at the site of the work authorized by this permit are fully aware of the terms and conditions of the permit. This permit, including its drawings and any appendices and other attachments, shall be made a part of any and all contracts and sub-contracts for work which affects areas of Corps of Engineers' jurisdiction at the site of the work authorized by this permit. This shall be done by including the entire permit in the specifications for the work. If the permit is issued after construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. The term "entire permit" includes permit amendments. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions of the entire permit, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps of Engineers jurisdiction.
3. Adequate sedimentation and erosion control devices, such as geotextile silt fences or other devices capable of filtering the fines involved, shall be installed and properly maintained to minimize impacts during construction. These devices must be removed upon completion of work and stabilization of disturbed areas. The sediment collected by these devices must also be removed and placed upland, in a manner that will prevent its later erosion and transport to a waterway or wetland.
4. All exposed soils resulting from the construction will be promptly seeded and mulched in order to achieve vegetative stabilization.
5. In water work shall be conducted between July 15 and September 30 in order to minimize potential impacts to fisheries and local water quality.
6. All areas of temporary fill shall be restored to their original contour and character upon completion of the project.

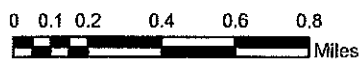
Section 3: Project Location Map

Project Location

Coordinate: 44.929101 N -69.955175 W
Decimal Degree, WGS 1984



MDOT WIN# 21689
EMBDEN HANCOCK BR 3372
BRIDGE REPLACEMENT



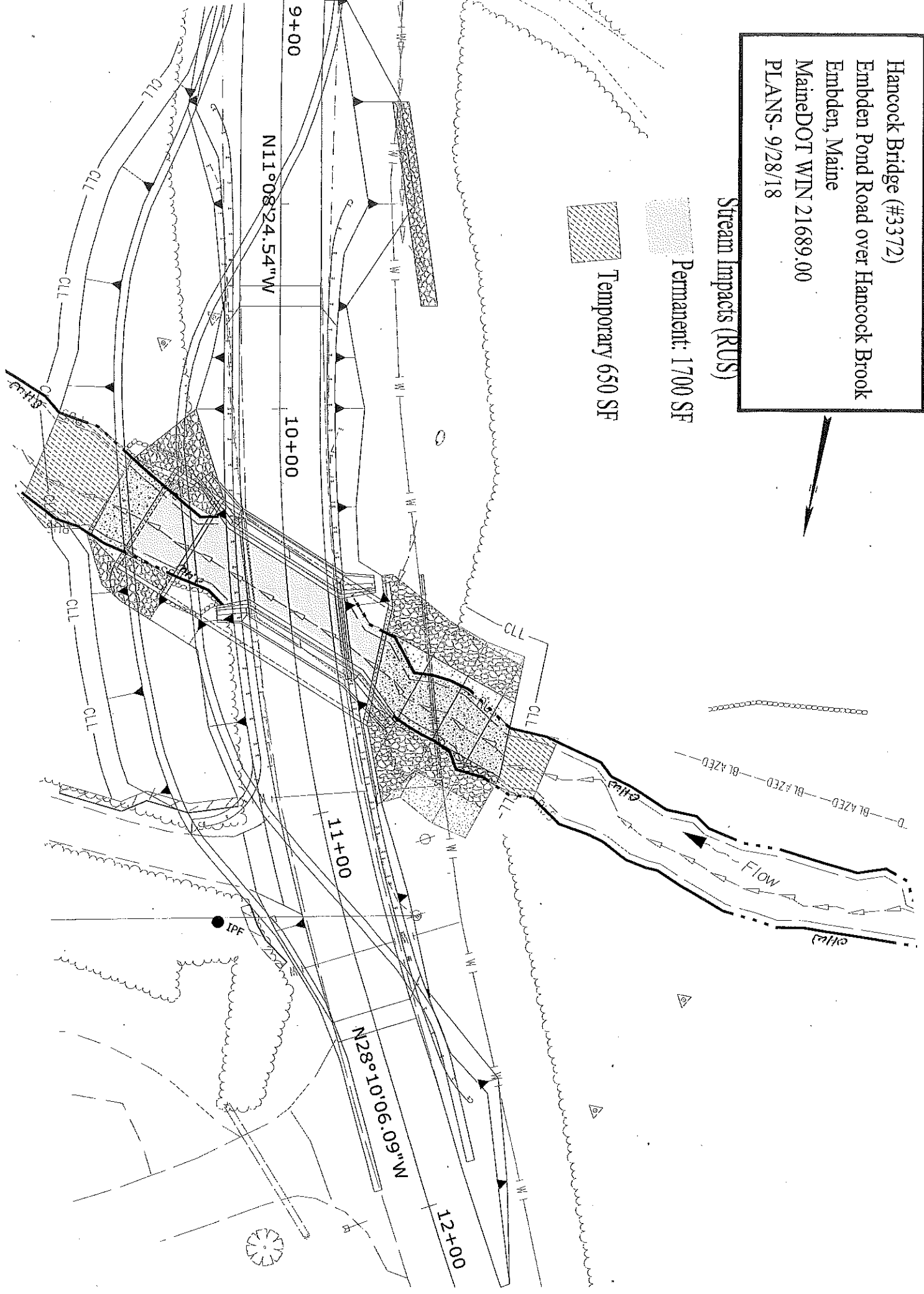
Hancock Bridge (#3372)
Embden Pond Road over Hancock Brook
Embden, Maine
MaineDOT WIN 21689.00
PLANS- 9/28/18

Hancock Bridge (#3372)
Emden Pond Road over Hancock Brook
Emden, Maine
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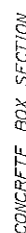
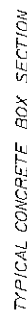
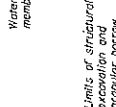
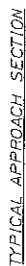
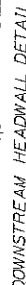
Stream Impacts (RUS)

Permanent: 1700 SF

Temporary 650 SF



PLANS- 9/28/18



Section along C-C of Concrete Box at Sta. 10+49.4 Skewed 38'10" Ahead on the Left.

NIA

[illegible]

PRECAST BOX DETAILS

U
C



**US Army Corps
of Engineers®**
New England District

(Minimum Notice: Permittee must sign and return notification
within one month of the completion of work.)

COMPLIANCE CERTIFICATION FORM

Permit Number: NAE-2018-02434

MaineDOT WIN 21689.00

Project Manager Clement

Name of Permittee: Maine Dept. of Transportation

Permit Issuance Date: 1/7/19

Please sign this certification and return it to the following address upon completion of the activity and any mitigation required by the permit. You must submit this after the mitigation is complete, but not the mitigation monitoring, which requires separate submittals.

* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Permits and Enforcement Branch C *
* Regulatory Division *
* 696 Virginia Road *
* Concord, Massachusetts 01742-2751 *

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit was completed in accordance with the terms and conditions of the above referenced permit, and any required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

Printed Name

Date of Work Completion

() _____
Telephone Number

() _____
Telephone Number



**US Army Corps
of Engineers®**
New England District

**GENERAL PERMIT
WORK-START NOTIFICATION FORM**
(Minimum Notice: Two weeks before work begins)

* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Permits and Enforcement Branch *
* Regulatory Division *
* 696 Virginia Road *
* Concord, Massachusetts 01742-2751 *

Corps of Engineers Permit No. NAE-2018-02434 was issued to the Maine Dept. of Transportation on 1/7/19. This work is located in Hancock Brook at Embden, Maine. The permit authorized the permittee to place temporary and permanent fill below the ordinary high water mark in order to replace the existing deteriorated Embden Pond Road bridge. This work will result in approximately 1,700 s.f. of permanent and 650 s.f. of temporary stream bed impact.
MaineDOT WIN 21689.00

The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Person/Firm: _____

Business Address: _____

Telephone Numbers: () _____ () _____

Proposed Work Dates: **Start:** _____ **Finish:** _____

Permittee/Agent Signature: _____ **Date:** _____

Printed Name: _____ **Title:** _____

Date Permit Issued: 1/7/19 **Date Permit Expires:** 10/13/2021

FOR USE BY THE CORPS OF ENGINEERS

PM: Clement **Submittals Required:** No

Inspection Recommendation: Inspect as convenient
