



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

Janet T. Mills  
GOVERNOR

Bruce A. Van Note  
COMMISSIONER

October 12, 2021  
Subject: Station 46 Bridge Replacement &  
Pleasant Cove Bridge Replacement  
State WINs: 023929.00 & 023929.01  
Location: **Woolwich**  
**Amendment No. 4**

Dear Sir/Ms.:

For your Information and Review:

The Bridge Load Rating Report for Bridge No. 3909, Pleasant Cove Bridge, dated December 19, 2012, has been uploaded to the MaineDOT web site and Bid Express under the title "Bridge Load Rating Report".

Please make the following changes to the Bid Documents:

In the Bid Book:

**CHANGE** on page 14, NOTICE TO CONTRACTORS, the bid opening date from "October 13, 2021", to read "**October 20, 2021**". Make this change in pen and ink.

In the Plan Set:

**ADD** the attached Conceptual Special Detour Horizontal Alignment, 4 pages.

The following questions have been received:

**Question:** Please provide Special Provisions Section 105 - Limitations of Operations referenced in Special Provisions 202 Removing Structures and Obstructions.

**Response:** Please see Amendment No. 1 for updated Environmental packages for each project, dated 8/25/21, for SPECIAL PROVISION - SECTION 105 - General Scope of Work - (Environmental Requirements).

**Question:** Could you provide the conceptual horizontal alignment for the temporary detours as described in SP 510?

**Response:** Please see the attached file name "Conceptual Special Detour horizontal alignment" for the Departments conceptual special detour layout. Please note that this layout is conceptual, and the Contractor shall perform their own independent design or check of the alignment.

**Question:** Does the preload settlement need to be completed prior to constructing the pleasant cove bridge or can the bridge be constructed curing preload settlement?

**Response:** The preload settlement needs to be completed near the bridge prior to the construction of the Pleasant Cove Bridge. The Geotechnical Engineer will monitor settlement plate data and vibrating wire piezometers and notify the Contractor when the required degree of consolidation is achieved near the bridge.

**Question:** Section 677 MSE Retaining Wall requires a Geomembrane be placed over top the MSE wall to prevent infiltration of runoff containing deicing salts. This is good practice and RECo will call this requirement to the attention of the contractors bidding on the project. However, RECo recommends showing the geomembrane in the typical section on contract drawing sheet 137 to make this requirement more clear. A suggested revision to Sheet 137 is attached.

**Response:** Please note the requirements of Standard Specification Section 677 MECHANICALLY STABILIZED EARTH RETAINING WALL subsection 677.051 Impervious Membrane. The retaining wall detail on sheet 137 is intentionally generalized to cover both bid alternatives and will not be revised.

**Question:** We have not been able to find any specifications or plan details regarding bid item 643.160 Highway Lighting. Can more information be provided on where the lighting will be installed and if there is a specific style that is required?

**Response:** Item 634.160 Highway Lighting is intended to be used to remove and reset the lights at the entrances to the Taste of Maine Restaurant.

**Question:** Once awarded the Contract, will the Department be willing to revise the ACOE temporary impact areas by reducing temporary PEM impact area and increasing temporary EEM impact area by the same amount based upon the Contractor's means and methods? If so, what is the anticipated duration for a permit revision like this?

**Response:** No, the Contractor shall work within the temporary impacts areas as shown in the conceptual plan views depicting temporary impacts. Final impact areas shall be provided once the ACOE permit is received.

**Question:** Due to the volatility in the current steel market, would the Department consider adding steel reinforcement, h-piles, and bearings to the Special Provision Section 108 for Steel Cost Adjustment? Adding coverage for these items would considerably reduce the contractor's risk associated with the procurement of these items. Currently, we are seeing quotes valid for 5 days or less for this material.

**Response:** Additional items will not be added to Special Provision 108.

**Question:** During a recent site visit it was observed that a large quantity of Japanese Knotweed is growing on the Station 46 Abutment #1 slopes. Please address the handling and disposal of this invasive plant as it pertains to slope construction and common excavation.

**Response:** Japanese knotweed plant and root material and soil containing plant and root material that is disturbed shall be contained and/or buried on site and covered with a root barrier material. If this is not possible, it shall be bagged and transported to be disposed of (at a landfill or burned) in accordance with local, state, and federal regulations.

**Question:** Please provide the yield strength of the 1933 existing bridge steel. The general note drawing is illegible.

**Response:** As noted in this question, the yield strength is not available on the existing plans. The yield strength of the 1933 existing steel is likely 30-33 ksi steel based on the time period. Please see the existing bridge load rating for clarification.

**Question:** Due to the outstanding questions and Monday being Columbus Day Holiday we request another one week extension of the bid date.

**Response:** See above change to NOTICE TO CONTRACTORS, the bid opening has been moved to October 20, 2021.

Consider these changes and information prior to submitting your bid on **October 20, 2021**.

Sincerely,



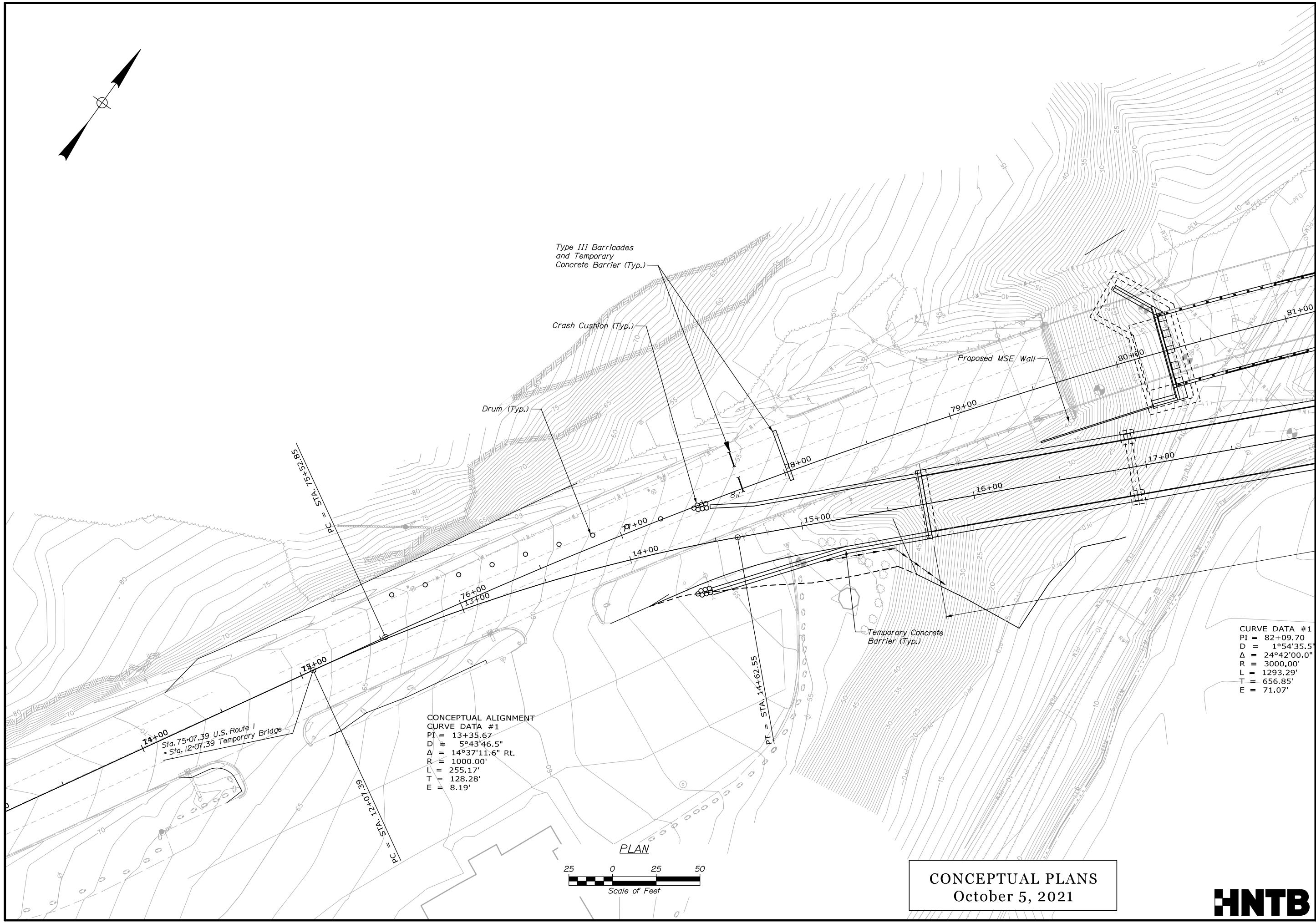
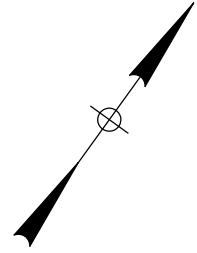
George M. A. Macdougall P.E.  
Contracts & Specifications Engineer

Date: 10/5/2021

Username:

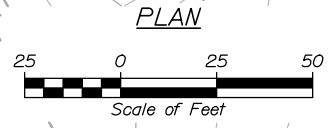
Division:

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CONCEPTUAL ALIGNMENT  
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 Δ = 14°37'11.6" Rt.  
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 L = 255.17'  
 T = 128.28'  
 E = 8.19'

CURVE DATA #1  
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 D = 1°54'35.5"  
 Δ = 24°42'00.0"  
 R = 3000.00'  
 L = 1293.29'  
 T = 656.85'  
 E = 71.07'



CONCEPTUAL PLANS  
 October 5, 2021



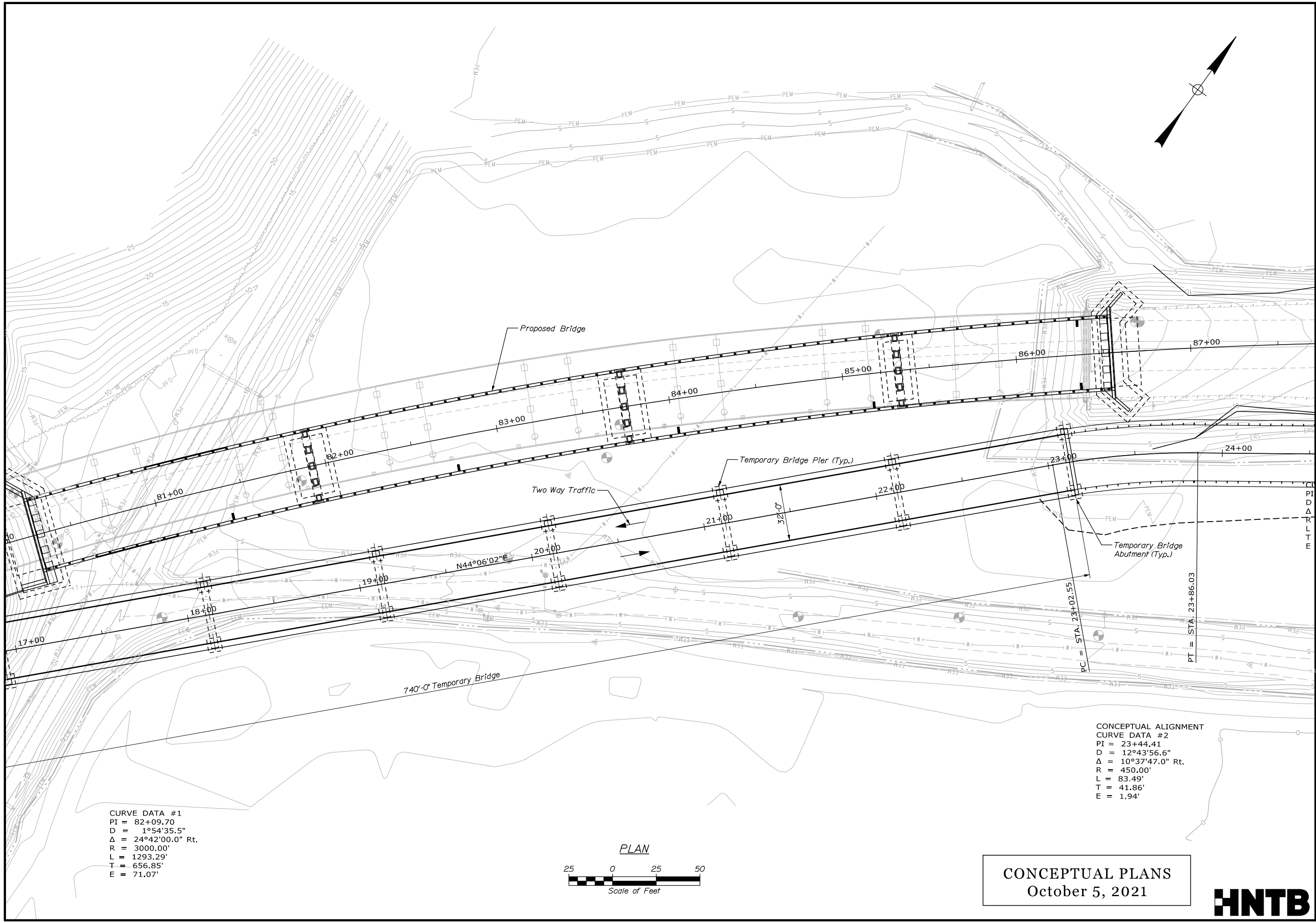
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| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION<br>2392900                                 |                                      | BRIDGE NO. 3039 & 6667<br>BRIDGE PLANS |             |
| PROJ. MANAGER<br>D. Eaton, P.E.   | BY<br>P. Bishop<br>T. Cote           | DATE<br>08/21<br>08/21                 | SIGNATURE   |
| CHECKED-REVIEWED<br>A. Sweet<br>L. Driscoll   | DESIGNS-DETAILED<br>DESIGNS-DETAILED | REVISIONS 1                            | P.E. NUMBER |
|   |                                      | REVISIONS 2                            | DATE        |
|   |                                      | REVISIONS 3                            |             |
|   |                                      | REVISIONS 4                            |             |
|   |                                      | FIELD CHANGES                          |             |
| STATION 46 & PLEASANT COVE BRIDGES<br>KENNEBEC RIVER ESTUARY<br>WOOLWICH SAGadahoc COUNTY |                                      | CONCEPTUAL TEMPORARY<br>ALIGNMENT 1    |             |
| SHEET NUMBER  |                                      | 1                                      |             |
|   |                                      | OF 4                                   |             |

Date: 10/5/2021

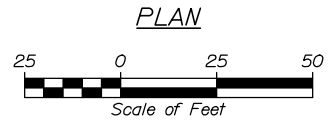
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Division:

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 T = 656.85'  
 E = 71.07'



CONCEPTUAL ALIGNMENT  
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 D = 12°43'56.6"  
 Δ = 10°37'47.0" Rt.  
 R = 450.00'  
 L = 83.49'  
 T = 41.86'  
 E = 1.94'

CONCEPTUAL PLANS  
 October 5, 2021



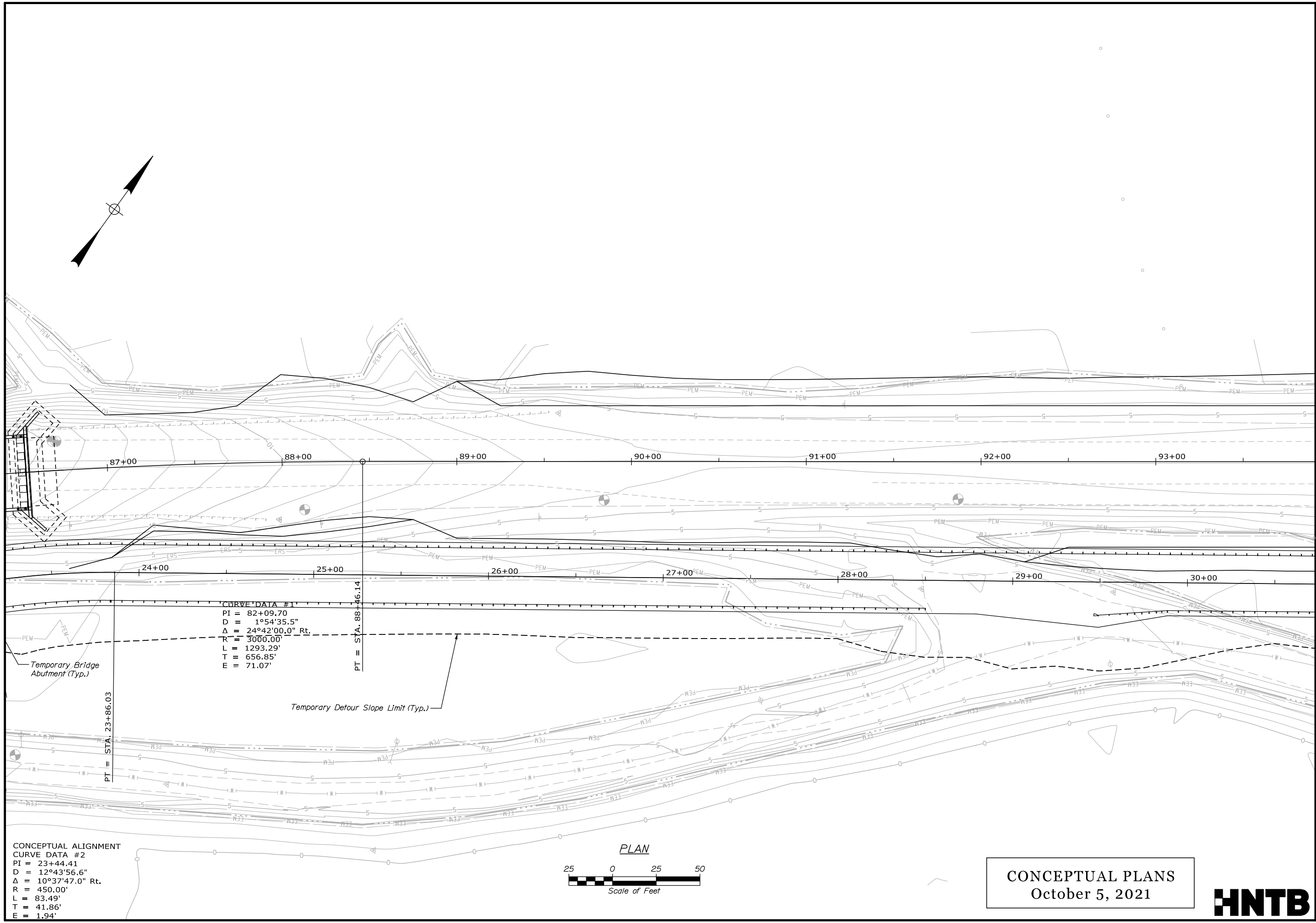
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| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION<br>2392900                                    |                                     | BRIDGE NO. 3039 & 6667<br>BRIDGE PLANS |               |
| STATION 46 & PLEASANT COVE BRIDGES<br>KENNEBEC RIVER ESTUARY<br>WOOLWICH<br>SAGadahoc COUNTY | CONCEPTUAL TEMPORARY<br>ALIGNMENT 2 | PROJ. MANAGER<br>D. Eaton, P.E.        | DATE<br>08/21 |
| DESIGN-DETAILED<br>A. Sweet  | CHECKED-REVIEWED<br>L. Driscoll     | BY<br>P. Bishop<br>T. Cole             | DATE<br>08/21 |
| DESIGNS-DETAILED   | REVISIONS 1                         | SIGNATURE                              | P.E. NUMBER   |
| REVISIONS 2  | REVISIONS 3                         |  | DATE          |
| REVISIONS 4  | FIELD CHANGES                       |  |               |
| SHEET NUMBER<br>2  |                                     | OF 4                                   |               |

Date: 10/5/2021

Username:

Division:

Filename: XXX\_ConceptualDetour\_03.dgn.DGN

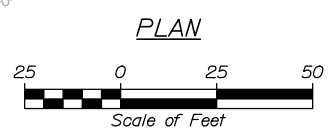


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 Δ = 24°42'00.0" Rt.  
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 L = 1293.29'  
 T = 656.85'  
 E = 71.07'

PT = STA. 23+86.03

PT = STA. 88+16.14

CONCEPTUAL ALIGNMENT  
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 T = 41.86'  
 E = 1.94'



CONCEPTUAL PLANS  
 October 5, 2021



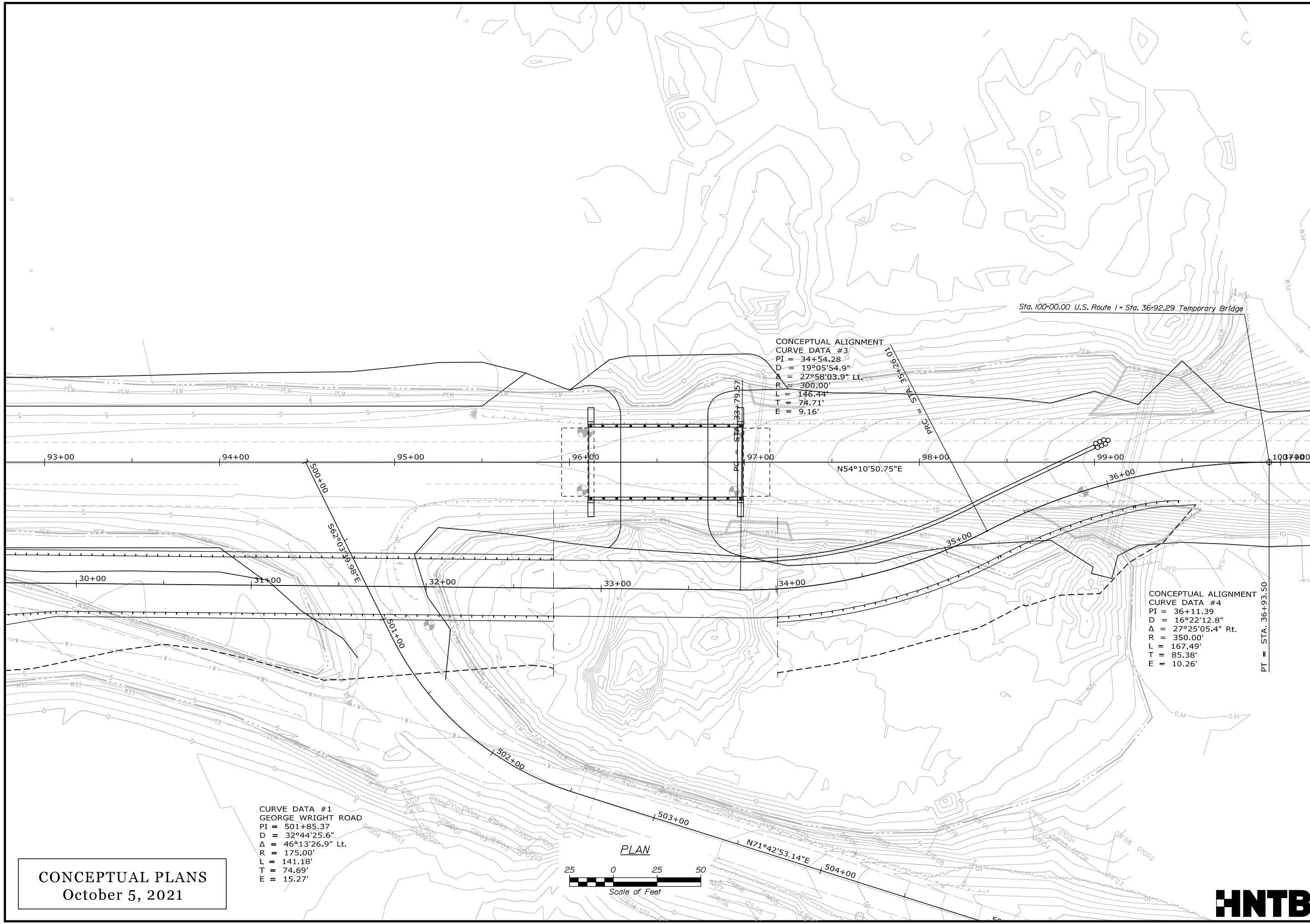
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| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION<br>2392900  |                                 | BRIDGE NO. 3039 & 6667<br>BRIDGE PLANS |             |
| PROJ. MANAGER<br>D. Eaton, P.E.  | BY<br>P. Bishop<br>T. Cole      | DATE<br>08/21<br>08/21                 | SIGNATURE   |
| DESIGN-DETAILED<br>A. Sweet  | CHECKED-REVIEWED<br>L. Driscoll | DESIGNS-DETAILED                       | P.E. NUMBER |
| REVISIONS 1  | REVISIONS 2                     | REVISIONS 3                            | DATE        |
| REVISIONS 4  | FIELD CHANGES                   |  |             |
| STATION 46 & PLEASANT COVE BRIDGES<br>KENNEBEC RIVER ESTUARY<br>WOOLWICH SAGadahoc COUNTY<br>CONCEPTUAL TEMPORARY<br>ALIGNMENT 3 |                                 |  |             |
| SHEET NUMBER   |                                 | 3                                      |             |
|  |                                 | OF 4                                   |             |

Date: 10/5/2021

Username:

Division:

Filename: XXX\_ConceptualDetour\_04.dgn.DGN



**CONCEPTUAL PLANS**  
 October 5, 2021

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 Δ = 46°13'26.9" Lt.  
 R = 175.00'  
 L = 141.18'  
 T = 74.69'  
 E = 15.27'

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|---|----------------|-----------|--|-------------------------------------|----------|------------------|--|
| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION<br>2392900                                 |                | SIGNATURE |  | P.E. NUMBER                         |          | DATE             |  |
| PROJ. MANAGER   | D. Eaton, P.E. | BY        |  | DESIGN-DETAILED                     | A. Sweet | DESIGN-DETAILED  |  |
| CHECKED-REVIEWED  | L. Driscoll    |           |  | CHECKED-REVIEWED                    | T. Cole  | CHECKED-REVIEWED |  |
| DESIGN-DETAILED   |                |           |  | DESIGN-DETAILED                     |          | DESIGN-DETAILED  |  |
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| REVISIONS 4   |                |           |  | REVISIONS 4                         |          | REVISIONS 4      |  |
| FIELD CHANGES   |                |           |  | FIELD CHANGES                       |          | FIELD CHANGES    |  |
| STATION 46 & PLEASANT COVE BRIDGES<br>KENNEBEC RIVER ESTUARY<br>WOOLWICH SAGadahoc COUNTY |                |           |  | CONCEPTUAL TEMPORARY<br>ALIGNMENT 4 |          |                  |  |
| SHEET NUMBER  |                |           |  | 4                                   |          |                  |  |
|   |                |           |  | OF 4                                |          |                  |  |

