



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

Janet T. Mills  
GOVERNOR

Bruce A. Van Note  
COMMISSIONER

December 5, 2023  
Subject: Bridge Deck Replacement  
State WIN: 025631.01  
Location: **Medway**  
**Amendment No. 9**

Dear Sir/Ms.:

In the Plan Set:

**REMOVE** Sheet Number 158 of 168, KEY PLAN & SHEAR CONNECTOR LAYOUT dated 10/3/2023 and **REPLACE** with the attached Sheet Number 158 of 168, KEY PLAN & SHEAR CONNECTOR LAYOUT dated 12/4/2023.

The following questions have been received:

**Question:** On sheet 158 of the contract plans, the shear connector layout shows triple studs for the Route 157 Bridge. Is it possible to adjust the studs on G3 to a double stud layout to avoid interference with the construction joint located along the centerline of G3?

**Response:** See revised SHEET NUMBER 158 of 168, KEY PLAN & SHEAR CONNECTOR LAYOUT dated 12/4/2023. The total number of shear studs remains the same. The staggered layout for an equivalent of triple studs on Girder 3 avoids interference with the construction joint.

Consider these changes and information prior to submitting your bid on **December 6, 2023**.

Sincerely,

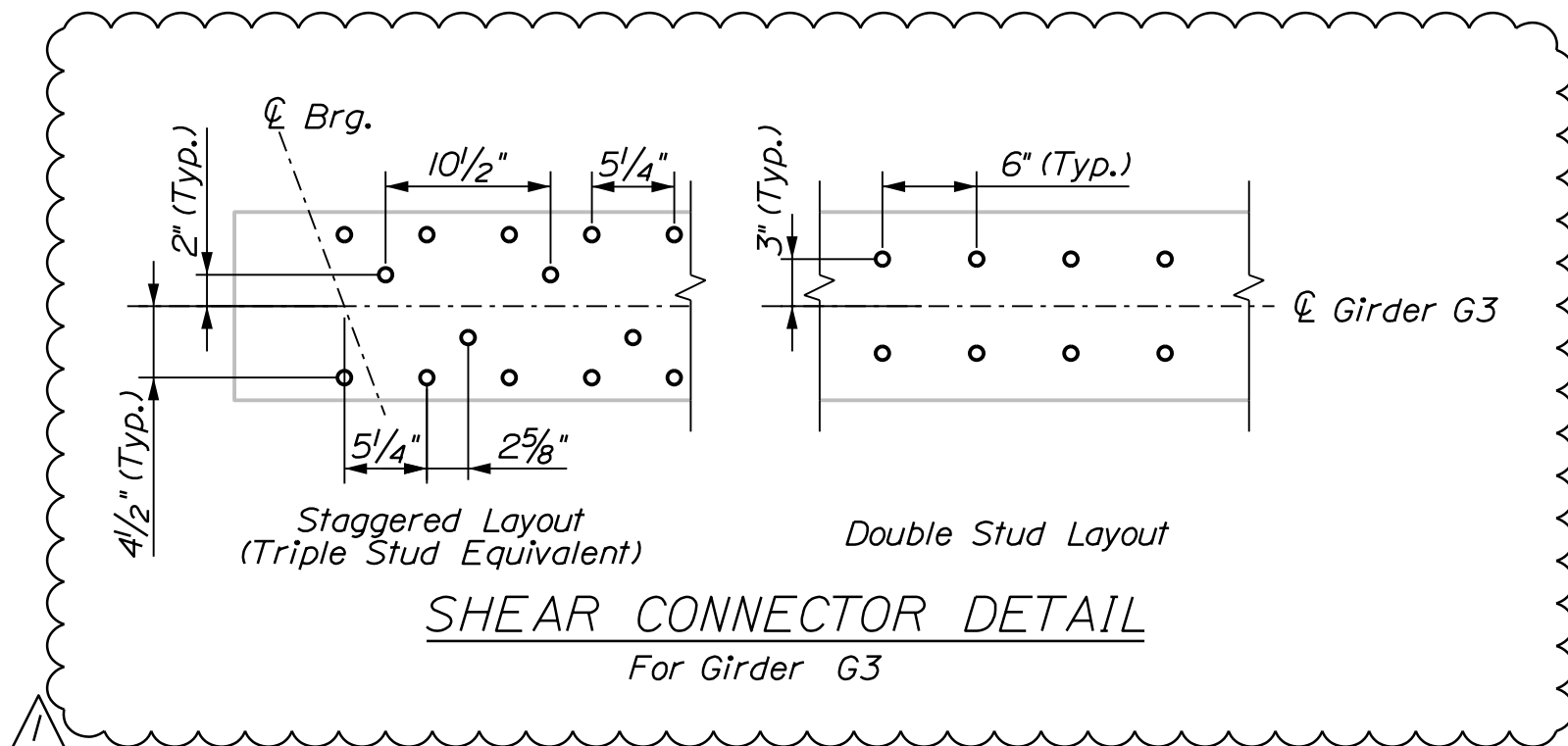
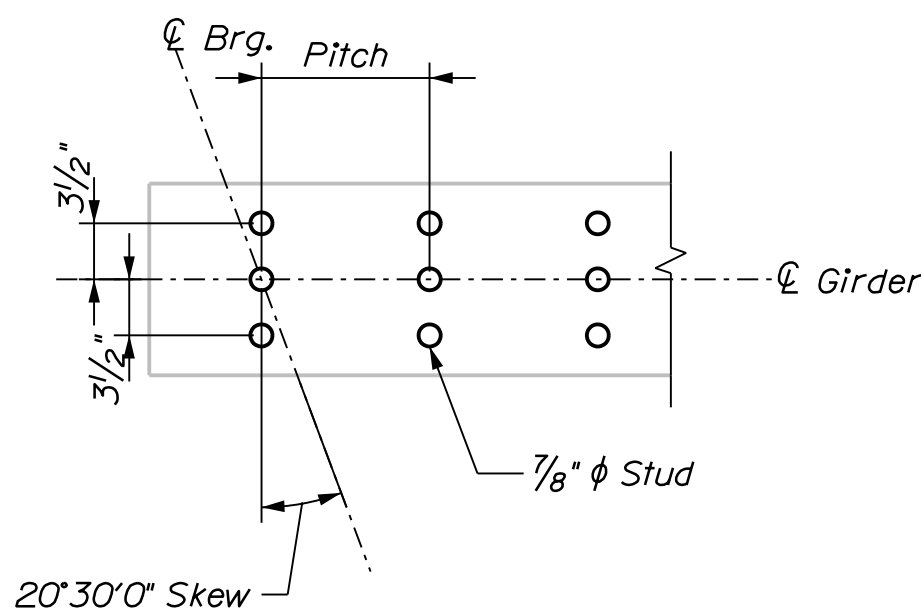
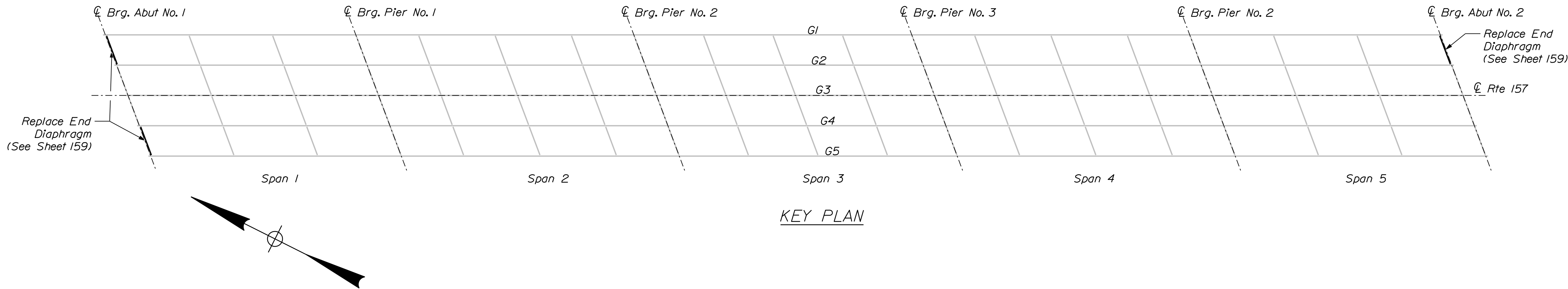
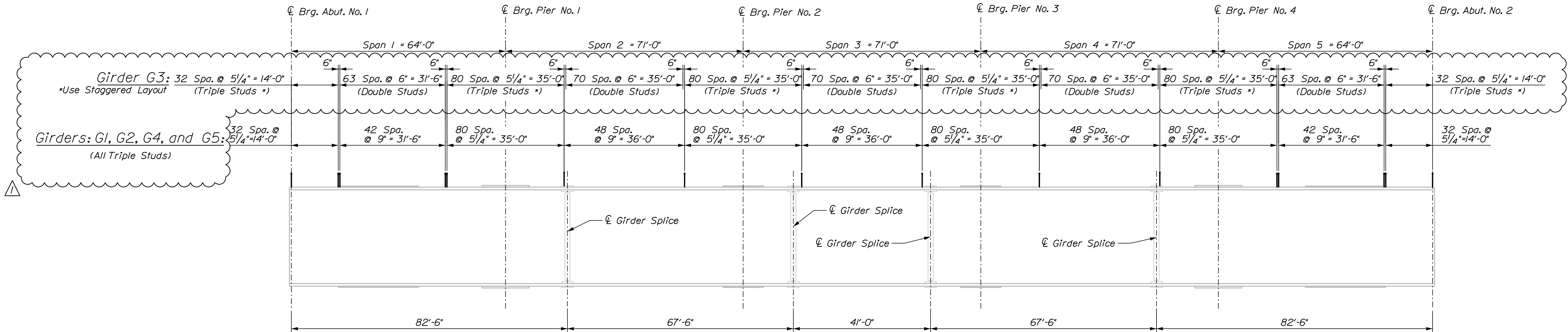
George M. A. Macdougall P.E.  
Contracts & Specifications Engineer

Date:12/4/2023

Username: slindsley

Division:

Filename: ... \043\_157\_Shear\_Connectors.dgn



### SHEAR CONNECTOR NOTES

- Dimensions are measured along centerline of the girder.
- Prior to installing the proposed shear studs, the Contractor shall clean the top flange so that it is free of debris, rust, scale, oil and other contaminants that would adversely affect the welding operation. Payment for cleaning the top flange for installation of proposed shear studs shall be incidental to Item 505.08, Shear Connectors. Existing steel may be coated with a lead-based paint system. See General Notes for more information.
- The proposed shear studs shall be 7/8" diameter. Studs shall penetrate into the deck a minimum of 2" and maintain a clear cover of 2" to the top of the studs.
- If existing shear connectors are present, they shall be removed such that they project 1 inch maximum above the top of the existing top flange unless they conflict with the installation of the new shear connectors or any other work. If the existing shear connectors interfere with installation of the new shear connectors or any other work, they shall be removed completely and ground flush with the top flange. All costs associated with this work shall be incidental to related Contract items.
- Pitch spacing may be adjusted at bolted splices to avoid splice bolts.

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
S. LINDSLEY	T. MCALIFFE	N. EDMAN	G3 Shear Connectors							
BY	DATE	SIGNATURE	P.E. NUMBER	DATE						
E. MORRISON	10-23									
B. COLBURN	10-23									
J. FITZ	10-23									