NOTES:

PLACEMENT OF TEMPORARY CONCRETE BARRIER SHALL BE IN ACCORDANCE WITH SPECIFICATION CHART 1-2011.

STAGE I:
1. PLACE TEMPORARY BARRIER TO MAINTAIN ONE LANE OF TRAFFIC ON OUTSIDE OF BRIDGE.
2. REMOVE MEDIAN SIDE OF SUPERSTRUCTURE AND PORTIONS OF SUBSTRUCTURE.

STAGE II:
1. PLACE TEMPORARY BARRIER TO MAINTAIN ONE LANE OF TRAFFIC ON THE MEDIAN SIDE OF BRIDGE.
2. REMOVE OUTSIDE OF SUPERSTRUCTURE AND PORTIONS OF SUBSTRUCTURE.

CONSTRUCTION STAGING (NB - US-31)
MISCELLANEOUS QUANTITIES

Prestressed Stays shall be of 3/4" nominal diameter meeting the requirements of AASHTO Loadings, I and II Loadings in sym.;

Prestressed Stays shall be stocked in initial prestress of 180 kV per stay.

Concrete inserts shall be 3/16" diameter, threaded type 12 on type 12, slotting required. Threaded inserts are Type 12.

End blocks are optional.

Total estimated change of length of tension range at transfer of prestress force is 0.1 for beam in spans 1 and 2 and 0.15 for beam in span 3.

The estimated beam length at transfer is 25 ft for beam in spans 1 and 2 and 20 ft for beam in span 3. The change due to prestress and dead load of the beam only and to be measured in the erected position.

Threads of reinforcement and installation into concrete inserts is included on the bid item prestressed concrete I-beam, finish, (14) kw.

Lifting devices shall be removed, reamed as included in the bid item prestressed concrete I-beam, finish, (14) kw.

Position dowels shall be set prior to installation. Dowel reinforcement may require installation before beam is erected.

Concrete inserts are not shown. Cones are not shown. Dowel reinforcement may require installation before beam is erected.

NOTES:

PRESTRESSED CONCRETE DETAILS

PRESTRESSED CONCRETE I-BEAM DETAILS

DATE

CONTRACTOR

04/01/2020

RC 85030

PRESTRESSED CONCRETE I-BEAM DETAILS

6/20/2020

4/1/2020

301

GEO. ENG. INC.

DESIGN UNIT

SHEET
NOTES:

1. BRACKETS EACH SIDE.
2. THE ERRORS IN SPAN 8 SHALL BE COMPLETED WITH BRACKETS AS SHOWN IN THE CORRECT SPAN. MATERIAL IS TO BE FURNished BY CONTRACTOR. TO PROVIDE THE CEMENT WITHIN THE TOLERANCE SPECIFIED IN THE FABRIC SPECIFICATIONS. THE CEMENT SHALL BE IN THE REQUIRED STRENGTH IN THIS SPECIFICATION.
3. FIELD CONNECTIONS SHALL BE BLED WITH MILD STEEL TO REDUCE STRENGTH BOLTS.
4. THE WEIGHT OF THE STEEL CONNECTIONS (1/4) SHALL BE INCLUDED IN THE WEIGHT OF THE STRUCTURAL STEEL, CONCRETE, FRAMES, FOAM, ETC.
5. SERRATED DECKS SHALL BE 10 INCH DECKER STICKERS.
6. THE QUANTITY STRUCTURAL STEEL INCLUDES:
    - 4000 KG
7. ALL STRUCTURAL STEEL SHALL BE TREATED ACCORDING TO SUBSECTION 5.14 OF THE SUBCONTRACT AGREEMENTS. THE CEMENT OF THE UNDERCUT PROTECTION COAT SHALL DE CEMENT. FIBER-REINFORCED CEMENT WATER-PROOFING SYSTEMS COAT SHALL BE CEMENT.
8. POSITION DETAILS ARE TO BE USED FOR CERTIFIED POSITION DETAILS AND DETAILS ARE TO BE USED FOR CERTIFICATION DETAILS. THE POSITION DETAILS SHALL BE CONSIDERED ON THE CONTRACT.

CAMBER DIAGRAM (SPAN 3)
ELEVATION

SECTION C-C

SECTION D-D

INTERMEDIATE DIAPHRAGM D1

TYPICAL INTERMEDIATE DIAPHRAGM

ALTERNATE

13mm CONNECTION PLATE FOR INTERMEDIATE DIAPHRAGMS

NOTE: WELD WITHIN OUTSIDE EDGE, EMBRACE ALL WELDS AND SHARP EDGES OF CONN. CLIPS.

FLANGE GROOVE WELD

BEARING STIFFENER DETAIL

NOTE: WELD WITHIN OUTSIDE EDGE, EMBRACE ALL WELDS AND SHARP EDGES OF CONN. CLIPS.

N TYP.

E N TYP.

13mm INTERMEDIATE DIAPHRAGM

N TYP.

N TYP.

N TYP.

N TYP.

N TYP.

N TYP.

N TYP.

N TYP.

N TYP.

N TYP.

N TYP.