STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

March 14, 2024

Addendum No. 1
RE: Contract # C204876
WBS # 67095.3.1
STATE FUNDED
Rockingham County (BR-0095)
BRIDGE #170 OVER US-220 ON SR-1360

March 19, 2024 Letting

To Whom It May Concern:

Reference is made to the plans furnished to you on this project.

The following revision has been made to the plans.

Sheet No.	Revision
TMP-2A	New note added to top of plan sheet.

Please void the above listed Sheet in your plans and staple the revised Sheet thereto.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:
Ronald Elton Davenport, Jr.
52C46046381F443...

Ronald E. Davenport, Jr., PE
State Contract Officer

RED/cms
Attachments

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

cc: Mr. Boyd Tharrington, PE
Mr. Wright R. Archer, III, PE
Mr. Ken Kennedy, PE
Mr. Malcolm Bell
Mr. Forrest Dungan, PE
Ms. Jaci Kincaid
Mr. Jon Weathersbee, PE
Project File (2)

PROJ. REFERENCE NO.	SHEET NO.
BR-0095	TMP-2A

THE CONTRACTOR IS ADVISED THAT THE TEMPORARY SHORING SHOWN ON SHEET NO. TMP-7 OF THE TRANSPORTATION MANAGEMENT PLANS FOR BRIDGE CONSTRUCTION WILL INTERFERE WITH TWO EXISTING RCPs. THE CONTRACTOR SHOULD DESIGN THE TEMPORARY SHORING TO AVOID DAMAGE TO THESE TWO RCPs AND THE CONNECTING BOX.

Temporary Shoring No. 1 Notes on Plans

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

DESIGN TEMPORARY SHORING FROM STATION 14+18 +/- -Y-, 10.5 FT. LT. TO STATION 14+82 +/- -Y-, 10.5 FT. LT., FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ = 120 PCF
UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ' = 60 PCF
FRICTION ANGLE, ϕ = 30
COHESION, c = 0 PSF
GROUNDWATER ELEVATION = 955 FT

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION 14+18 +/- -Y-, 10.5 FT. LT. TO STATION 14+82 +/- -Y-, 10.5 FT. LT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR*S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 14+18 +/- -Y-, 10.5 FT. LT. TO STATION 14+82 +/- -Y-, 10.5 FT. LT. SEE GEOTECHNICAL STANDARD DETAIL 1801.01 FOR STANDARD TEMPORARY SHORING.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 14+18 +/- -Y-, 10.5 FT. LT. TO STATION 14+82 +/- -Y-, 10.5 FT. LT. MAY NOT PENETRATE BELOW ELEVATION 942.5 FT. +/-. DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

Temporary Shoring No. 2 Notes on Plans

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

DESIGN TEMPORARY SHORING FROM STATION 14+18 +/- -Y-, 9.5 FT. RT. TO STATION 14+82 +/- -Y-, 9.5 FT. RT., FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ = 120 PCF
UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ' = 60 PCF
FRICTION ANGLE, ϕ = 30
COHESION, c = 0 PSF
GROUNDWATER ELEVATION = 955 FT

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AT THE CONTRACTOR*S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 14+18 +/- -Y-, 9.5 FT. RT. TO STATION 14+82 +/- -Y-, 9.5 FT. RT. SEE GEOTECHNICAL STANDARD DETAIL 1801.01 FOR STANDARD TEMPORARY SHORING.

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THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO THE WZTC SECTION ON (8/22/2023) AND SEALED BY A PROFESSIONAL ENGINEER, (DAVID L. TEAGUE), LICENSE # (027869).

APPROVED: DocuSigned by: Kenneth C. Thornewell Jr., P.E.
1E991EF27373405...

DATE: 03/13/2024

SEAL
044089
KENNETH C. THORNEWELL, JR.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

TEMPORARY SHORING DATA

3/13/2024
P:\TIPProjects-B\BR0095\Traffic\TrafficControl\TCP\BR-0095_TC_TMP_2A.dgn
User:maaklilu