

TEMPORARY SHORING LOCATION NO. 01 ESTIMATED QUANTITY = 715.0 SF

-L- STA. 67+17.82, 43.94' RT TO -L- STA. 67.66.02, 37.17' RT  
 LENGTH= 48.20' AVERAGE HEIGHT = 6.5 FT MAXIMUM HEIGHT = 10.8 FT  
 SHORING TYPE = TRENCH

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING NO. 1, SEE PLANS AND TEMPORARY SHORING PROVISION.

TEMPORARY SHORING NO. 1 IS REQUIRED FOR UTILITY INSTALLATION.

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

DESIGN TEMPORARY SHORING NO. 1 FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:  
 UNIT WEIGHT, ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE, ( $\phi$ ) = 30 DEGREES  
 COHESION, c = 0 LB/SF  
 GROUNDWATER ELEVATION = VARIES, REFER TO BORINGS

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING NO. 1.

TEMPORARY SHORING LOCATION NO. 03 ESTIMATED QUANTITY = 270.0 SF

-L- STA. 98+92.49, 221.06' LT TO -L- STA. 99+11.68, 226.64' LT  
 LENGTH= 19.19' AVERAGE HEIGHT = 6.8 FT MAXIMUM HEIGHT = 6.8 FT  
 SHORING TYPE = BORE

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING NO. 3, SEE PLANS AND TEMPORARY SHORING PROVISION.

TEMPORARY SHORING NO. 3 IS REQUIRED FOR UTILITY INSTALLATION.

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

DESIGN TEMPORARY SHORING NO. 3 FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:  
 UNIT WEIGHT, ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE, ( $\phi$ ) = 30 DEGREES  
 COHESION, c = 0 LB/SF  
 GROUNDWATER ELEVATION = VARIES, REFER TO BORINGS

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING NO. 3.

TEMPORARY SHORING LOCATION NO. 02 ESTIMATED QUANTITY = 286.5 SF

-L- STA. 76+01.08, 182.28' LT TO -L- STA. 76+10.56, 181.02' LT  
 LENGTH= 9.48' AVERAGE HEIGHT = 9.6 FT MAXIMUM HEIGHT = 9.7 FT  
 SHORING TYPE = TRENCH

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING NO. 2, SEE PLANS AND TEMPORARY SHORING PROVISION.

TEMPORARY SHORING NO. 2 IS REQUIRED FOR UTILITY INSTALLATION.

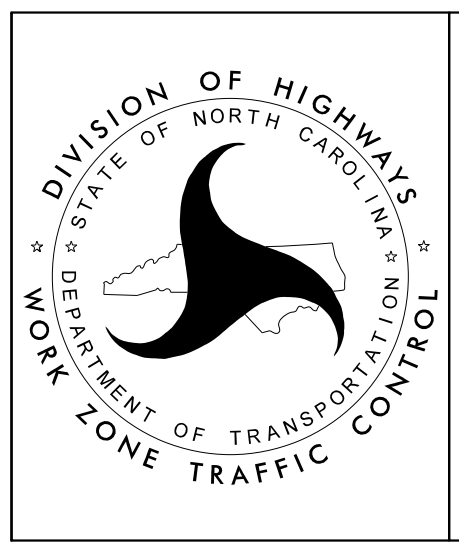
BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING NO. 2 FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:  
 UNIT WEIGHT, ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE, ( $\phi$ ) = 30 DEGREES  
 COHESION, c = 0 LB/SF  
 GROUNDWATER ELEVATION = VARIES, REFER TO BORINGS

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING NO. 2.

SEE UTILITY CONSTRUCTION (UC) PLANS FOR TEMPORARY SHORING DETAILS.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEER. THE DOCUMENT WAS SUBMITTED TO STANTEC CONSULTING ON (JUNE 14, 2018) AND SEALED BY A PROFESSIONAL ENGINEER, (THEIN TUN ZAN), LICENSE #030943.



TEMPORARY SHORING NOTES

9/10/2021 U:\Traffic\Transportation Management Plan U-4405A\TCP\PLAN SHEETS\U-4405A\_TMP\_02-TEMPORARY\_SHORING\_NOTES.dgn angood