PROJ. REFERENCE NO.	SHEET NO.
R-0623	TMP-2A

Temporary Shoring No.1

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

DESIGN TEMPORARY SHORING FROM STATION 53+62 +/- -L- TO 54+72 +/- -L- , CENTERLINE OF -L-, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:
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 = N/A (BORINGS DRY AT TIME OF INVESTIGATION)

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 THE TEMPORARY SHORING FROM STATION 53+62 +/- -L- TO 54+72 +/- -L- , CENTERLINE OF -L-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHOING FROM STATION 53+62 +/- -L- TO 54+72 +/- -L-, CENTERLINE OF -L-. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

Temporary Shoring No.2

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

DESIGN TEMPORARY SHORING FROM STATION 53+62 +/- -L-, CENTERLINE OF -L-, TO STATION 54+47 +/- -L-, 2′ RIGHT OF -L-, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:
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 = N/A (BORINGS DRY AT TIME OF INVESTIGATION)

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 THE TEMPORARY SHORING FROM STATION 53+62 +/- -L-, CENTERLINE OF -L-, TO STATION 54+47 +/- -L-, 2′ RIGHT OF -L-. THE INFORMATION PROVIDED FOR 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 53+62 +/- -L-, CENTERLINE OF -L-, TO STATION 54+47 +/- -L-, 2′ RIGHT OF -L-. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

Temporary Shoring No.3

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

DESIGN TEMPORARY SHORING FROM STATION 72+58 +/- -L- TO 73+58 +/- -L-, 15′ LEFT OF -L-, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:
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 = N/A (BORINGS DRY AT TIME OF INVESTIGATION)

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 THE TEMPORARY SHORING STATION 72+58 +/- -L- TO 73+58 +/- -L-, 15′ LEFT OF -L-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHOING FROM STATION 72+58 +/- -L- TO 73+58 +/- -L-, 15′ LEFT OF -L-. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

Temporary Shoring No.4

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

DESIGN TEMPORARY SHORING FROM STATION 72+58 +/- -L- TO 73+35 +/- -L-, 15′ LEFT OF -L-, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:
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 = N/A (BORINGS DRY AT TIME OF INVESTIGATION)

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 THE TEMPORARY SHORING FROM STATION 72+58 +/- -L- TO 73+35 +/- -L-, 15′ LEFT OF -L-. THE INFORMATION PROVIDED FOR 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 72+58 +/- -L- TO 73+35 +/- -L-, 15′ LEFT OF -L-. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

Temporary Shoring No.5

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

DESIGN TEMPORARY SHORING STATION 76+71 +/- -L- TO 77+63 +/- -L-, 3′ LEFT OF -L-, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:
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 = 501 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 THE TEMPORARY SHORING FROM STATION 76+71 +/- -L- TO 77+63 +/- -L-, 3′ LEFT OF -L-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHOING FROM STATION 76+71 +/- -L- TO 77+63 +/- -L-, 3′ LEFT OF -L-. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

Temporary Shoring No.6

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

DESIGN TEMPORARY SHORING FROM STATION 76+71 +/- -L- TO 77+40 +/- -L-, 2′ LEFT OF -L-, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS:
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 = 501 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 THE TEMPORARY SHORING FROM STATION 76+71 +/- -L- TO 77+40 +/- -L-, 2′ LEFT OF -L-. THE INFORMATION PROVIDED FOR 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 76+71 +/- -L- TO 77+40 +/- -L-, 2′ LEFT OF -L-. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

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 JUNE 25, 2014 , AND SEALED BY A PROFESSIONAL ENGINEER, DAVID L. TEAGUE, PE, NC #027869.

PLAN PREPARED IN THE OFFICE OF:
PROGRESSIVE DESIGN GROUP, INC.
ENGINEERS • CONSULTANTS

APPROVED: DocuSigned by: Jim Arey DATE: 8/5/2014

NORTH CAROLINA PROFESSIONAL SEAL 025465 ENGINEER JIM AREY

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

TEMPORARY SHORING DATA