PROJ. REFERENCE NO.	SHEET NO.
U-3109A	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 29+50 +/- -Y16-, 3 FT. LT. TO STATION 35+00 +/- -Y16-, 0.5 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 = 620 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 29+50 +/- -Y16-, 3 FT. LT. TO STATION 35+00 +/- -Y16-, 0.5 FT. RT. 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 SHORING FROM STATION 29+50 +/- -Y16-, 3 FT. LT. TO STATION 35+00 +/- -Y16-, 0.5 FT. RT. SEE STANDARD DETAIL NO. 1801.02 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 NOVEMBER 10, 2016, 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: Tom Cary DATE: 3/9/2017

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 025465 ENGINEER TIM ARE

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

TRANSPORTATION MANAGEMENT PLAN
TEMPORARY SHORING DATA