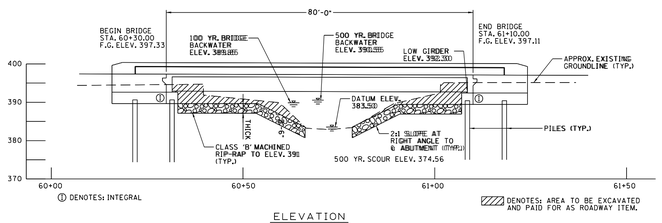
CONST. NO. 57034-3205-94

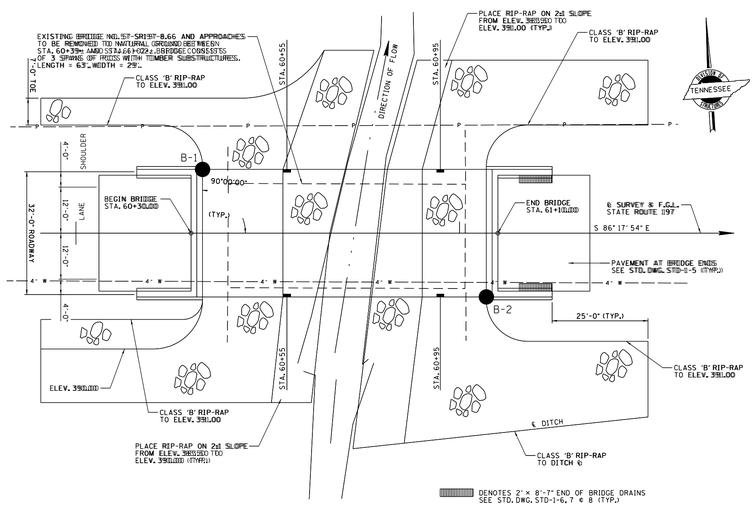
| PROJECT NO. | YEAR | SHEET NO. |
|---|---|---|
| BR-STP-197(10) | 2015 | |

REVISIONS

| NO. | DATE | BY | BRIEF DESCRIPTION |
|---|---|---|---|
| | | | |



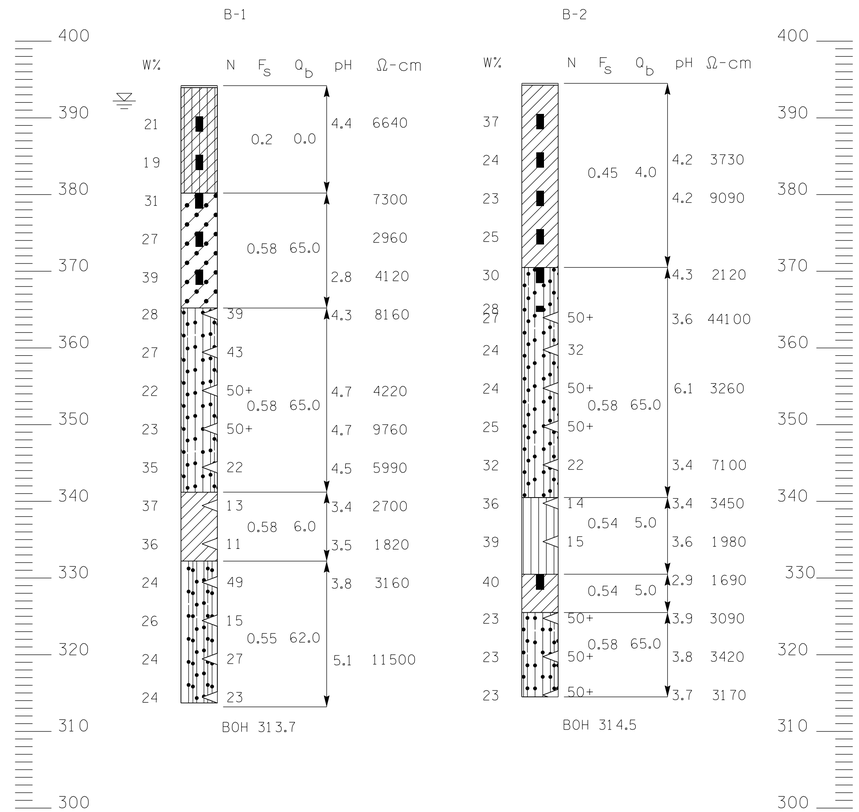

ELEVATION




PLAN

TABLE OF POINT LOCATIONS

| POINT | STATION | OFFSET | N | E | GROUND ELEV. |
|---|---|---|---|---|---|
| B-1 | 60+33.00 | 17'-4½" LT. | N 461304.30 | E 1183390.10 | 394.2 |
| B-2 | 61+07.00 | 17'-4½" RT. | N 461264.84 | E 1183461.71 | 394.5 |




NOTES:

REQUIRED:

1) SUFFICIENT GROUND, ROCK AND CORING INFORMATION FOR BRIDGE FOUNDATION.
2) APPROXIMATE EXISTING GROUND AND ROCK LINE.
3) DESIGN SPECIFICATIONS: AASHTO LRFD SIXTH EDITION, 2012, WITH ADDENDA, AND THE 2011 AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN, EDITION 2 (WITH INTERIMS). SEISMIC CATEGORY B WITH AS = 0.301, SDS = 0.657, SD1 = 0.293, (1000 YR. RETURN PERIOD.)

BENCHMARKS:

T.B.M. # 1
STA 52+68.24, 25.50' LT.
N 461361.7790
E 1182627.4670
ELEV. 390.82
NAIL IN POWER POLE

T.B.M. #2
STA 60+43.66, 149.77' RT.
N 461136.8160
E 1183389.9550
ELEV. 392.82
NAIL IN 32" OAK

Unified Soil Classifications

| SYMBOL | | NAME |
|---|---|---|
| A-2-4 | | Silty sands, sand-silt mixtures. |
| A-2-6 | | Clayey sands, sand-clay mixtures |
| A-4 | | Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity. |
| A-6 | | Inorganic clays of low to medium plasticity, gravelly clays, sandy clays silty clays, lean clays. |
| A-6 | | Inorganic clayey silts of low to medium plasticity. |
| Topsoil | | Topsoil |

LEGEND

Undisturbed Shelby Tube

Standard Penetration Test

N = AVERAGE N VALUE FOR INTERVAL SHOWN
$F_s$ AND $Q_b$ VALUES SHOWN ARE FOR DRIVEN CONCRETE PILES ONLY

$F_s$ = SIDE FRICTION VALUE FOR INTERVAL (tsf)
$Q_b$ = END BEARING FOR LAYER (tsf)

NOTE: THIS DRAWING IS FOR FOUNDATION DATA ONLY AND IS NOT TO BE USED AS A LAYOUT.

BRIDGE NO. 2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

FOUNDATION DATA
STATE ROUTE 197
OVER BRANCH B
BRIDGE I.D. NO. 57S81620011
STATION 60+70.00
LOG MILE 8.66
MADISON COUNTY
2015

CORRECT Wayne J. Sepe
ENGINEER OF STRUCTURES

DESIGNED BY _____ DATE _____
DRAWN BY DIANE BUSH (DJS) DATE 04-15
SUPERVISED BY MBC / KDM DATE 04-15
CHECKED BY _____ DATE --15

U-57-133