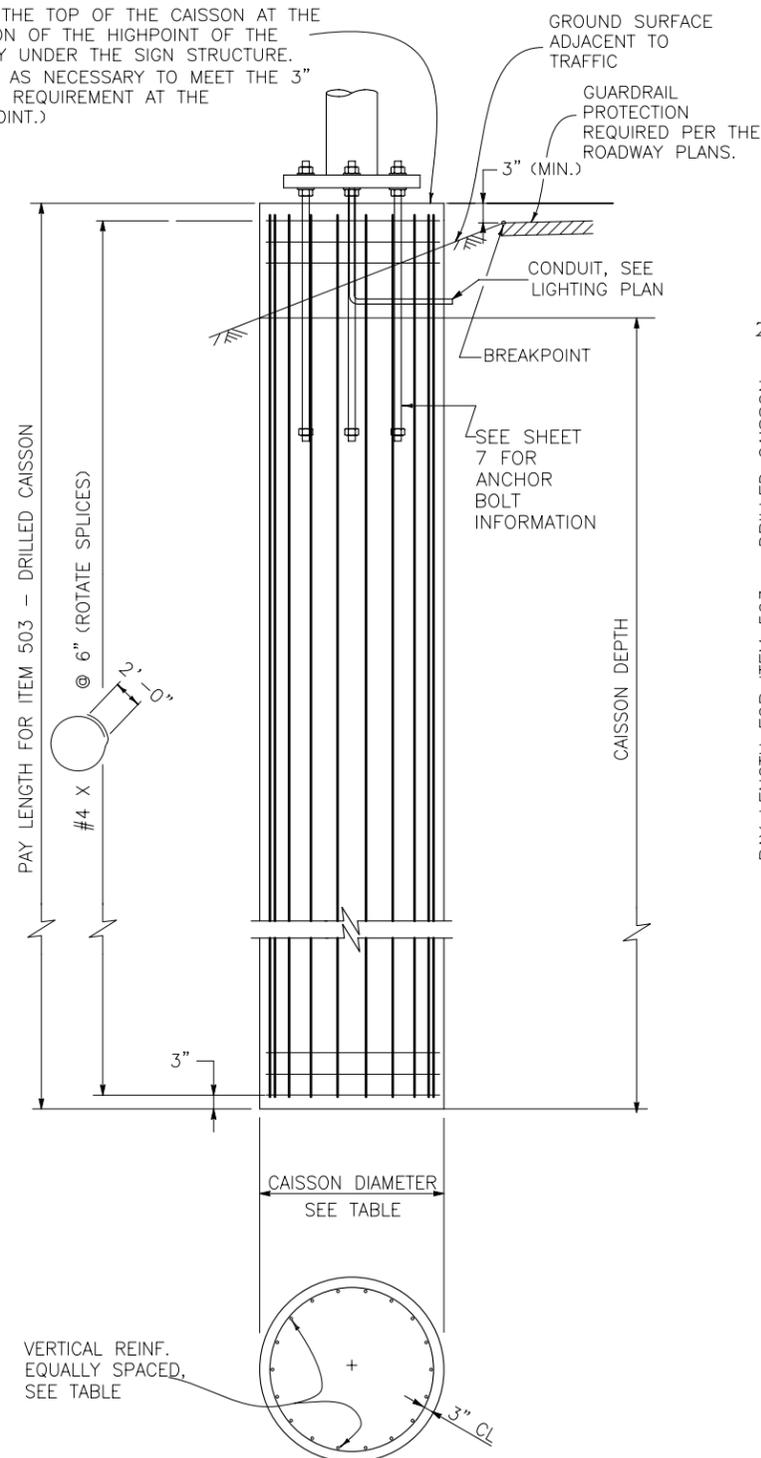
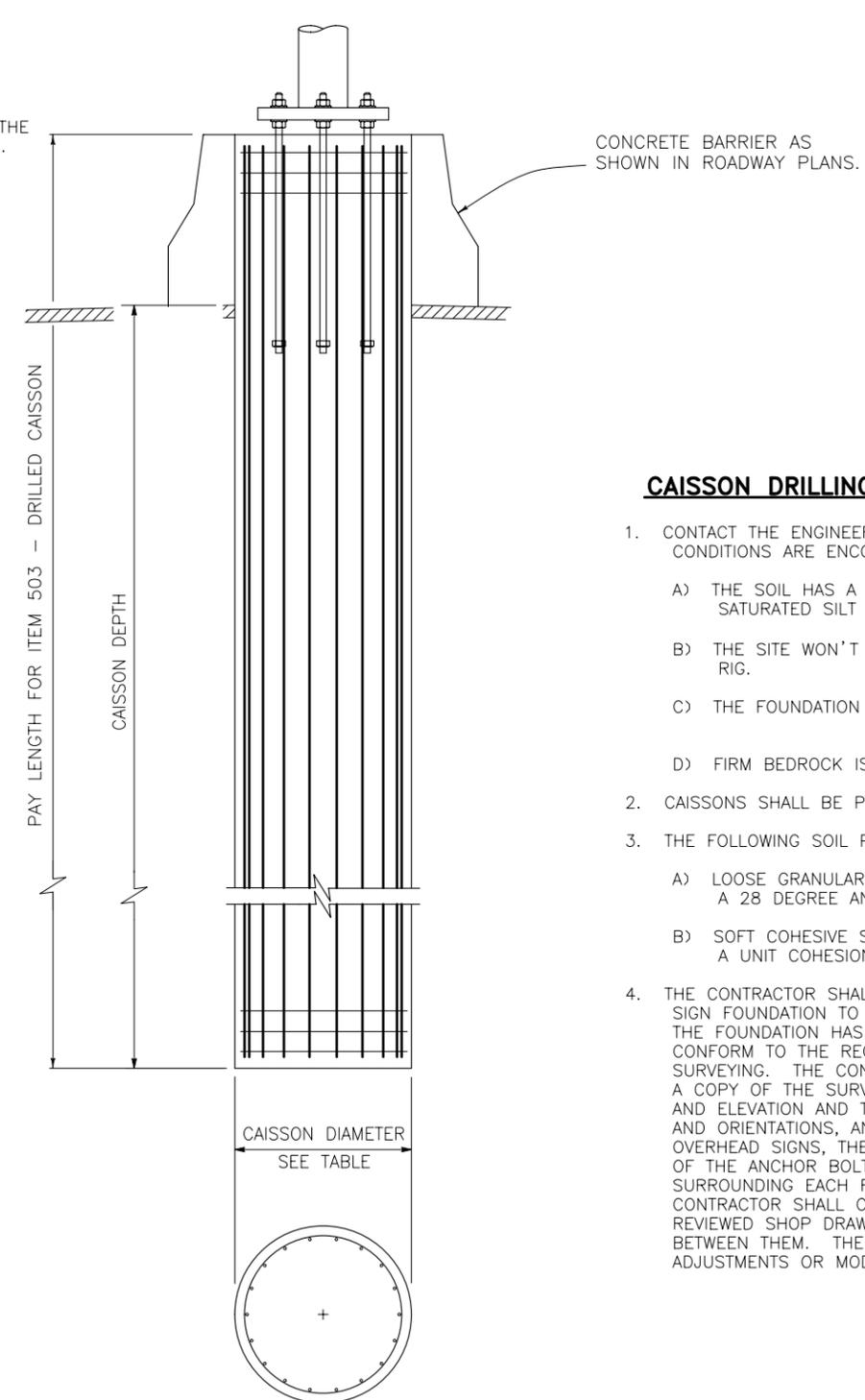


-FOUNDATION DETAILS-

LOCATE THE TOP OF THE CAISSON AT THE ELEVATION OF THE HIGHPOINT OF THE ROADWAY UNDER THE SIGN STRUCTURE. (ADJUST AS NECESSARY TO MEET THE 3" MINIMUM REQUIREMENT AT THE BREAKPOINT.)



**CAISSON FOUNDATION DETAILS
ROADSIDE SHOULDER INSTALLATION**



**CAISSON FOUNDATION DETAILS
MEDIAN RAIL INSTALLATION**

(SEE ROADSIDE SHOULDER INSTALLATION FOR ADDITIONAL INFORMATION)

CAISSON DRILLING AND INSTALLATION NOTES

- CONTACT THE ENGINEER IF ANY OF THE FOLLOWING SOIL CONDITIONS ARE ENCOUNTERED DURING DRILLING:
 - THE SOIL HAS A HIGH ORGANIC CONTENT OR CONSISTS OF SATURATED SILT AND CLAY.
 - THE SITE WON'T SUPPORT THE WEIGHT OF THE DRILLING RIG.
 - THE FOUNDATION SOILS ARE NOT HOMOGENOUS.
 - FIRM BEDROCK IS ENCOUNTERED.
- CAISSONS SHALL BE PLACED AGAINST UNDISTURBED EARTH.
- THE FOLLOWING SOIL PARAMETERS WERE USED FOR DESIGN:
 - LOOSE GRANULAR SOIL WITH A UNIT WEIGHT OF 100 PCF AND A 28 DEGREE ANGLE OF INTERNAL FRICTION (PHI ANGLE).
 - SOFT COHESIVE SOIL WITH A UNIT WEIGHT OF 100 PCF AND A UNIT COHESION OF 500 PSF.
- THE CONTRACTOR SHALL PROVIDE A SURVEY OF EACH OVERHEAD SIGN FOUNDATION TO VERIFY PLACEMENT SOON AFTER WORK ON THE FOUNDATION HAS BEEN COMPLETED. THE SURVEY SHALL CONFORM TO THE REQUIREMENTS OF SECTION 625, CONSTRUCTION SURVEYING. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A COPY OF THE SURVEY NOTES DETAILING THE FOUNDATION LOCATION AND ELEVATION AND THE ANCHOR BOLT LOCATIONS, PROJECTIONS, AND ORIENTATIONS, AND IN THE CASE OF SIGN-BRIDGE TYPE OF OVERHEAD SIGNS, THE DISTANCE MEASURED BETWEEN THE CENTERLINE OF THE ANCHOR BOLT GROUPS. THE ELEVATION OF THE GROUND SURROUNDING EACH FOUNDATION SHALL ALSO BE PROVIDED. THE CONTRACTOR SHALL COMPARE THE SURVEY INFORMATION TO THE REVIEWED SHOP DRAWINGS AND RECONCILE ANY DIFFERENCES BETWEEN THEM. THE CONTRACTOR SHALL SUBMIT ALL PROPOSED ADJUSTMENTS OR MODIFICATIONS TO THE ENGINEER FOR APPROVAL.

BRIDGES

PIPE OUTSIDE DIAMETER (INCHES)	SPLIT (INCHES)	CAISSON DIAMETER (INCHES)	CAISSON DEPTH (FEET)	VERTICAL REINF
12.75	5	48	17	18 - #8
14	5	48	19	24 - #8
16	5	48	20	24 - #8
18	5	54	21	24 - #8
20	5	54	22	24 - #8
24	5	54	24	24 - #8

CANTILEVERS

PIPE OUTSIDE DIAMETER (INCHES)	SPLIT (INCHES)	CAISSON DIAMETER (INCHES)	CAISSON DEPTH (FEET)	VERTICAL REINF
12.75	-	36	13	13 - #8
14	-	42	15	18 - #8
16	-	42	16	18 - #8
18	-	42	17	18 - #8
20	-	48	18	24 - #8
24	-	48	20	24 - #8
■ 24	-	48	29	24 - #8

■ DYNAMIC CANTILEVER SIGN ONLY

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Safety & Traffic Engineering Branch **KCM**

**MONOTUBE
OVERHEAD SIGNS**

Issued By: Traffic Engineering Unit July 4, 2006

STANDARD PLAN NO.

S-614-50

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