R-234 No liquetions

Memorandum :

2104

FOUNDATIONS

UTAH DEPARTMENT OF TRANSPORTATION

DATE: June 24, 1980

TO

Those Listed Below

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FROM

Edwin E. Lovelace, Engineer of Materials and Research

x 155 19 P

SUBJECT:

I-15-5(2)195 - Sevier River to Mills Junction

I-15 over Line 3, Mills Junction

Interchange at I-15 ₺ Station 1673+00

SITE CONDITIONS

Two single span prestressed concrete beam structures are proposed to carry I-15 over Line 3. The structures are 90 feet long and 44 feet wide and will cross Line 3 at a right angle. The approach embankments vary from 8 to 18 feet and Line 3 will have approximately 8 feet of cut at the center of the crossing.

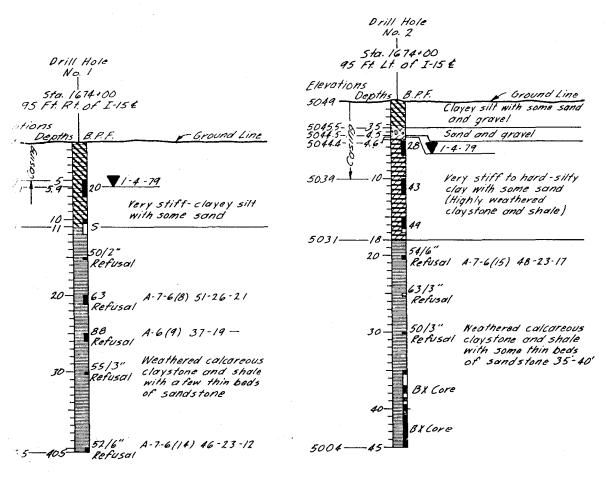
Drainage at this site is good.

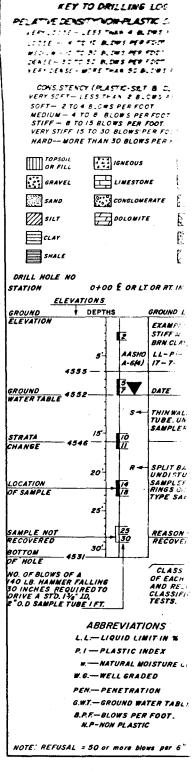
SUBSURFACE EXPLORATION

Four test holes were drilled at this site with depths ranging from 30 to 45 feet. Correlation between test holes is good and a general description of the subsurface materials is as follows: from the ground surface to a depth of 6 feet--clayey silt and some silty clay; from 6 feet to the maximum depth of exploration --highly weathered claystone and shale with some calcareous zones and a few thin beds of sandstone and siltstone. See Fig. 1 for more detailed descriptions of subsurface materials and test hole locations.

FOUNDATION RECOMMENDATIONS

Drilled caissons are recommended for support of the abutments





UTAH DEPARTMENT OF TRANSPORT
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MATERIALS AND RESEARCH SECTIV
SEVIER RIVER TO MILLS JUNCTION
MILLS JUNCTION INTERCHANGE
ORAWN BY B. KISTLEY CHECKED BY BC. SOAME
CHECKED BY DIVILEDATE CHECKED BY SI SAKHBI
CHECKED BY CHECKED BY SI SAKHBI
RECOMMENDED BY LOWER H. P. CAUSELL
RECEIVED DATE CHICKED BY S. SAKHBI
RECOMMENDED BY LOWER H. P. CAUSELL
BR. CHICKED BY DRG NO.

Date Drilled: 1-79 and 10-79

R E M A R K 6

