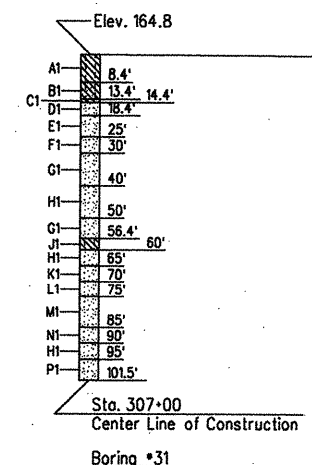
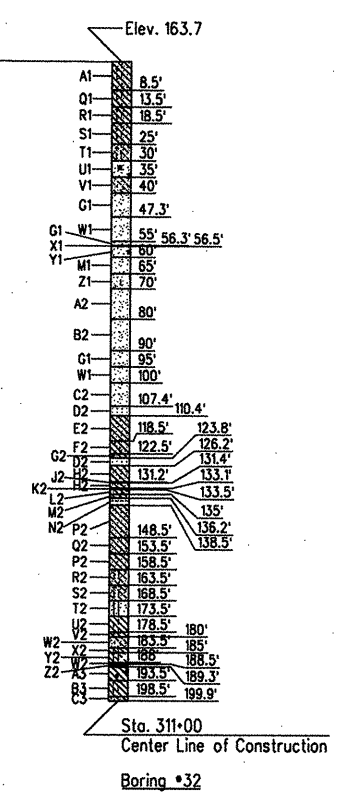


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110395	30	203
				06830		SOIL BORINGS		47028



Sta. 307+00 - Center Line of Construction

3.9- 4.9,N=11	Construction
8.9- 9.9,N=3	
13.9- 14.9,N=0	
18.9- 19.9,N=6	
25.5- 26.5,N=3	
30.5- 31.5,N=24	
35.5- 36.5,N=17	
40.5- 41.5,N=38	
45.5- 46.5,N=32	
50.5- 51.5,N=17	
55.5- 56.5,N=16	
60.5- 61.5,N=32	
65.5- 66.5,N=23	
70.5- 71.5,N=40	
75.5- 76.5,N=38	
80.5- 81.5,N=40	
85.5- 86.5,N=44	
90.5- 91.5,N=45	
95.5- 96.5,N=51	
100.5-101.5,N=48	



Sta. 311+00 - Center Line of Construction

4.0- 5.0,N=9	
9.0- 10.0,N=2	
14.0- 15.0,N=0	
19.0- 20.0,N=0	
25.5- 26.5,N=3	
30.5- 31.5,N=24	
35.5- 36.5,N=14	
40.5- 41.5,N=20	
45.5- 46.5,N=24	
50.5- 51.5,N=18	
55.5- 56.5,N=12	
60.5- 61.5,N=45	
65.5- 66.5,N=22	
70.5- 71.5,N=22	
75.5- 76.5,N=36	
80.5- 81.5,N=36	
85.5- 86.5,N=61	
90.5- 91.5,N=26	
95.5- 96.5,N=28	
100.5-101.5,N=55	
105.5-106.5,N=53	
110.5-111.5,N=14	
119.0-120.0,N=26	
134.0-135.0,N=58	
139.0-140.0,N=43	
149.0-150.0,N=32	
154.0-155.0,N=45	
159.0-160.0,N=37	
164.0-164.9,N=86(0.9')	
169.0-169.4,N=60(0.4')	
174.0-175.0,N=61	
179.0-180.0,N=35	
184.0-185.0,N=75	
189.0-189.3,N=60(0.3')	
199.0-199.9,N=97(0.9')	

BORING LEGEND

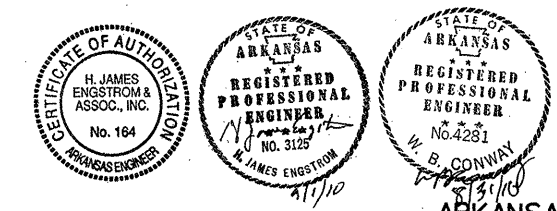
- A1-Moist, Stiff, Brown and Gray Sandy, Silty Clay
- B1-Wet, Soft, Brown and Gray Sandy, Silty Clay
- C1-Wet, Very Soft, Brown Sandy, Silty Clay
- D1-Wet, Very Loose, Brown Sand **
- E1-Wet, Loose, Brown and Gray Sand
- F1-Wet, Very Loose, Gray Sand with some Clay Seams
- G1-Wet, Medium Dense, Gray Sand
- H1-Wet, Dense, Gray Sand
- I1-Moist, Stiff, Gray Silty Clay
- J1-Wet, Medium Dense, Gray Sand with some Gravel and Clay Seams
- K1-Wet, Dense, Gray Sand with some Gravel and Lignite
- L1-Wet, Dense, Gray Sand with Traces of Lignite
- M1-Wet, Dense, Gray Sand with some Gravel
- N1-Wet, Dense, Gray Silty Clay with Traces of Lignite
- P1-Wet, Very Dense to Dense, Gray Sand
- Q1-Wet, Soft, Brown Sandy, Silty Clay
- R1-Wet, Very Soft, Brown Sandy, Silty Clay with some Organic Matter
- S1-Wet, Very Soft, Gray Sandy, Silty Clay
- T1-Wet, Very Loose, Gray Silty Sand with Clay Seams
- U1-Wet, Medium Dense, Gray Sand with Organic Matter
- V1-Wet, Medium Dense, Gray Sand with Clay Seams
- W1-Wet, Medium Dense, Gray Sand with some Gravel
- X1-Soft, Black Lignite
- Y1-Wet, Medium Dense, Gray Sand with Lignite
- Z1-Wet, Medium Dense, Gray Silty Sand
- A2-Wet, Medium Dense to Dense, Gray Sand with Traces of Lignite
- B2-Wet, Dense to Very Dense, Gray Sand
- C2-Wet, Very Dense, Gray Sand
- D2-Hard, Gray Cemented Sand
- E2-Wet, Stiff, Gray Sandy Clay
- F2-Moist, Very Stiff, Gray Clay with Silt and Sand Lenses and Traces of Lignite
- G2-Moist, Hard, Gray Clay with Sand Seams and Gravel
- H2-Moist, Hard, Gray Sandy Clay
- J2-Moist, Dense, Brown Siltstone Fragments
- K2-Moist, Dense, Gray Sand
- L2-Moist, Hard, Gray Clay with Sand Seams and some Siltstone Fragments
- M2-Moist, Dense, Gray Sand with Clay Seams
- N2-Alternating Layers of Hard, Brown and Gray Conglomerate with Siltstone and Traces of Lignite and Moist, Dense, Gray Sand
- P2-Moist, Hard, Gray Clay with Sand Seams
- Q2-Moist, Hard, Gray Clay with Sand Seams and Traces of Lignite
- R2-Moist, Dense, Gray Silty Sand with Clay Seams
- S2-Moist, Very Dense, Gray and Brown Silty Sand with Clay Seams and some Lignite
- T2-Moist, Very Dense, Gray Sandy Silt
- U2-Moist, Very Hard, Gray Clay with Silt Seams
- V2-Moist, Hard to Very Hard, Gray Sandy, Silty Clay
- W2-Moist, Dense, Gray Clayey Sand
- X2-Moist, Very Hard, Gray Silty Clay
- Y2-Moist, Dense, Gray Clayey Silt
- Z2-Hard, Dark Brown Lignite with some Clay Seams
- A3-Moist, Hard, Gray and Dark Brown Clay with Lignite
- B3-Moist, Hard, Gray Silty Clay
- C3-Moist, Very Dense, Gray Silty Sand with Clay Seams
- D3-Wet, Very Loose, Gray Sand
- E3-Wet, Very Loose, Brown and Gray Sand
- F3-Wet, Medium Dense, Brown and Gray Sand
- G3-Wet, Medium Dense, Brown and Gray Sand with Traces of Gravel
- H3-Wet, Medium Dense, Gray Sand with Traces of Lignite
- J3-Wet, Loose, Gray Sand
- K3-Wet, Medium Dense, Gray Sand with Traces of Gravel and Organic Matter
- L3-Wet, Medium Dense, Gray Sand with some Clay Seams and Traces of Lignite
- M3-Wet, Medium Dense, Gray Sand and Gravel
- N3-Wet, Medium Dense, Gray Sand with Traces of Gravel
- P3-Wet, Loose, Gray Sand with Traces of Gravel
- Q3-Wet, Medium Dense, Gray Sand with Traces of Organic Matter (Wood)

BORING LEGEND (continued)

- R3-Wet, Dense, Gray Sand and Gravel
- S3-Wet, Very Dense, Gray Novaculite Gravel
- T3-Wet, Very Dense, Gray Sand and Gravel
- U3-Moist, Very Stiff, Gray Sandy, Silty Clay with Traces of Calcareous Nodules
- V3-Moist, Very Hard, Gray Clay with Silt and Sand Lenses, Shells and some Cemented Silt Seams
- W3-Moist, Hard, Gray Clay with Sand and Cemented Silt Seams
- X3-Moist, Very Hard, Gray Sandy, Silty Clay with some Siltstone and Cemented Sand Seams
- Y3-Hard, Gray Siltstone
- Z3-Wet, Very Dense, Gray Sand with Clay and some Thin Siltstone Seams
- A4-Moist, Hard, Gray Silty Sand with some Clay and Thin Siltstone Seams
- B4-Moist, Very Stiff, Gray Sandy Clay with Traces of Lignite
- C4-Moist, Dense, Gray Silty Sand with Clay and some Thin Siltstone Seams
- D4-Moist, Very Hard, Gray Sandy, Silty Clay
- E4-Moist, Hard, Gray Clay with Silt Seams
- F4-Moist, Very Hard, Gray Sandy Silt with Clay Seams
- G4-Moist, Very Stiff, Gray Sandy Clay
- H4-Moist, Medium Dense, Gray Silty Sand with some Clay Seams and Traces of Lignite
- J4-Moist, Very Stiff, Black Organic Matter (Wood)
- K4-Moist, Very Dense, Gray Sand with Clay Seams and Traces of Lignite
- L4-Moist, Very Dense, Gray Silty Sand with some Clay Seams
- M4-Moist, Dense, Gray Clayey Sand with Lignite
- N4-Moist, Very Dense, Gray Silty Sand with Traces of Lignite
- P4-Moist, Very Dense, Gray Silty Sand with Clay Seams with Traces of Lignite
- Q4-Moist, Hard, Gray Sandy, Silty Clay
- R4-Moist, Very Hard, Gray Sandy Clay with Traces of Lignite
- S4-Moist, Dense, Gray Clayey Silt with some Lignite
- T4-Moist, Hard, Dark Brown and Black Lignitic Clay
- U4-Moist, Hard, Gray Silty Clay with Traces of Lignite
- V4-Moist, Dense, Gray Silty Sand with some Clay Seams
- W4-Moist, Hard, Gray Clay with Silt and Sand Lenses and Traces of Lignite
- X4-Moist, Dense, Gray Silty Sand
- Y4-Moist, Dense, Gray Sandy Silt with Clay Seams
- Z4-Moist, Dense, Gray Clayey Silt with some Slickensides
- A5-Moist, Hard, Gray and Brown Lignitic Clay
- B5-Moist, Hard, Gray Silty Clay with some Lignite
- C5-Wet, Loose, Gray to Brown Sand
- D5-Wet, Loose, Gray Sand with Organic Matter
- E5-Wet, Loose to Medium Dense, Gray Sand
- F5-Wet, Loose, Gray Sand and Gravel with some Clay Seams
- G5-Wet, Medium Dense, Gray Sand with some Clay Seams
- H5-Soft, Brown Cemented Silt
- J5-Wet, Loose, Gray Sand and Gravel
- K5-Wet, Dense to Very Dense, Gray Sand with some Gravel
- L5-Wet, Dense, Gray Sand with some Gravel and Traces of Lignite
- M5-Moist, Very Stiff, Gray Silty Clay
- N5-Moist, Very Stiff, Gray Silty Clay with Shells
- P5-Hard, Brown Siltstone
- Q5-Moist, Very Dense, Gray Sand with some Clay Seams
- R5-Wet, Very Dense, Gray Sand with Lignite and some Thin Cemented Silt Seams
- S5-Moist, Very Dense, Gray Clayey Sand
- T5-Hard, Dark Brown Lignite with Gray Sandy Clay Seams
- U5-Moist, Very Dense, Gray Silty Sand with some Lignite
- V5-Moist, Very Dense, Gray Silty Sand with Clay Seams and Traces of Organic Matter
- W5-Hard, Dark Brown Lignite
- X5-Moist, Hard, Gray Clay with Silt and Sand Lenses
- Y5-Moist, Hard, Gray Silty Clay with some Lignite Seams
- Z5-Moist, Very Hard, Gray Silty Clay with some Lignite Seams

SOIL BORINGS & "N" VALUES

NOTE: ORGANIC MATTER AND LIGNITE WERE ENCOUNTERED IN THE BORINGS AND MAY BE ENCOUNTERED IN GREATER AMOUNTS AT OTHER LOCATIONS IN THE PROJECT AREA.



ALTERNATE NO. 1 & 2
DETAILS OF SOIL BORINGS
(SHEET 5 OF 5)
WHITE RIVER STR. & APPRS.
(CLARENDON) (PH.III) (F)
MONROE COUNTY
ROUTE 79 SEC. 13
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Engstrom / Modjeski and Masters

DRAWN BY: JDB/TAD DATE: Nov. 07 FILENAME: b1103951_117.dgn
CHECKED BY: LKD DATE: Nov. 01 SCALE: 1" = 30'-0"
DESIGNED BY: LKD DATE: Nov. 01
BRIDGE NO. 06830 DRAWING NO. 47028

BRIDGE ENGINEER