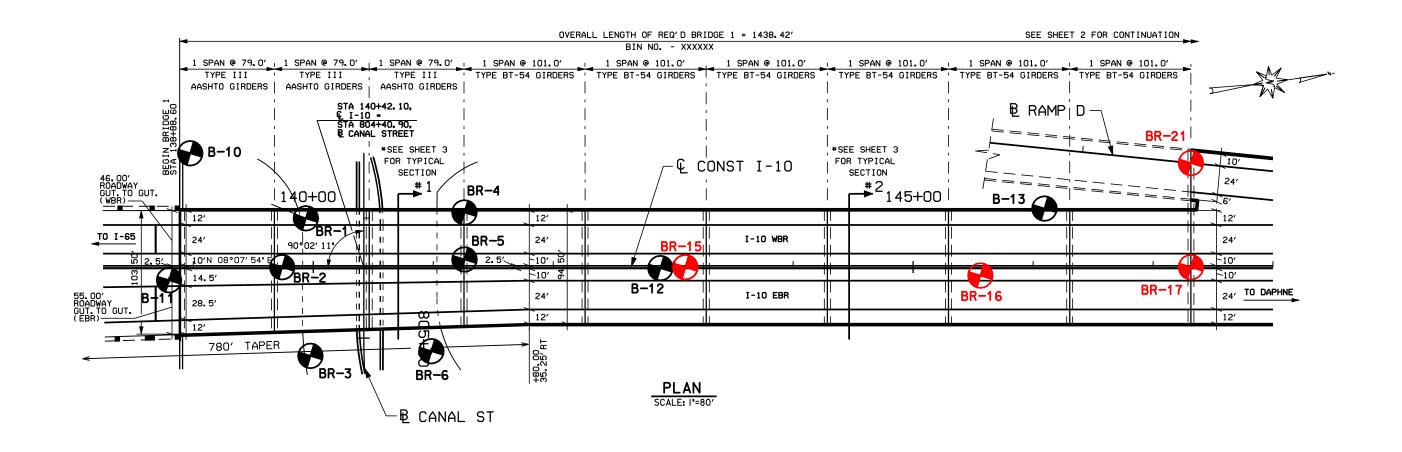
REFERENCE FI

## I-10 MAINLINE



BORING	STATION	NORTHING	EASTING
B-11	138+80 RT 11'	248776.08	1797846.83
B-10	138+97 LT 95'	248808.56	1797744.56
BR-2	139+74 CL	248870.99	1797849.43
BR-1	139+95 LT 41'	248896.30	1797811.89
BR-3	139+95 RT 74'	248883.85	1797925.95
BR-6	140+98 RT 70'	249004.94	1797919.08
BR-4	141+26 LT 46'	249018.38	1797825.03
BR-5	141+26 LT 6'	249012.01	1797869.58
B-12	142+89 RT 1'	249193.67	1797895.54
BR-15	143+10 CL	249203.69	1797896.97
BR-16	145+56 RT 7'	249445.10	1797938.62
B-13	146+10 LT 49'	249506.95	1797890.92
BR-17	147+32 CL	249618.43	1797953.90
BR-21	1306+91 BL	249632.46	1797870.42

### LEGEND

Boring Number B-1

Boring Symbol (Borings drilled between April 9 and May 15, 2013)

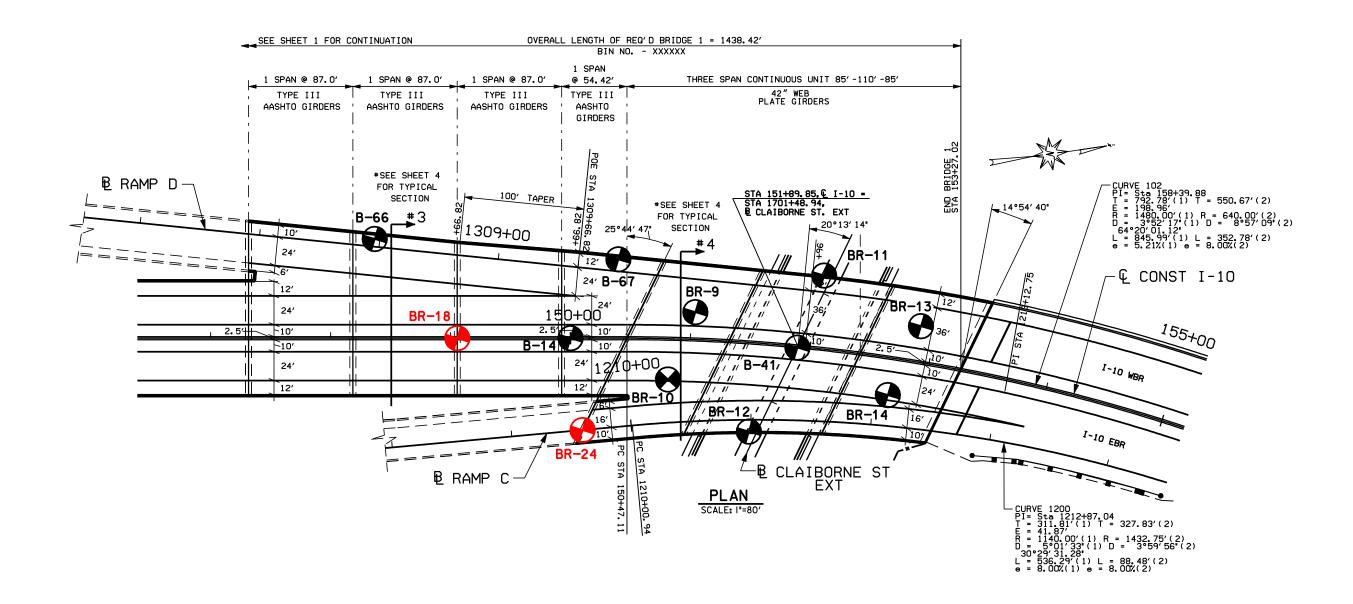
Boring Symbol (Borings drilled between January 14 and 22, 2014)

Ala	Alabama Department of Transportation			
Bridge Sheet of				
thompson ENGINEERING 2970 COTTAGE HILL RD. MOBILE, AL 36606		PROJECT NO. BRIDGE FOUNDATION REPORT I-10 INTERCHANGE MODIFICATIONS FROM TEXAS STREET TO WEST TUNNEL ENTRANCE MOBILE COUNTY, ALABAMA		
APPROVED:	SAM STERNBERG III, P.E.	MODILE GOOTTI, ALABAMA		
GEOTECHNICAL ENGINEER		Preliminary Project No: DPI-AL06(900)		

PLAN SHEET Sheet 1 of 42

DATE:

### I-10 MAINLINE



BORING	STATION	NORTHING	EASTING
B-66	1307+96 LT 7'	248824.91	1799038.13
BR-18	149+06 CL	249793.18	1798992.63
B-14	150+00 CL	249886.72	1797994.63
B-67	1310+00 LT 10'	248824.91	1799038.13
BR-10	150+82 RT 34'	249962.15	1798040.09
BR-9	151+03 LT 23'	249992.73	1797987.72
BR-12	151+54 RT 74'	250025.04	1798092.72
B-41	1701+50 CL	250072.78	1798029.07
BR-11	152+05 LT 61'	250102.99	1797972.68
BR-14	152+70 RT 31'	250142.75	1798078.13
BR-13	152+88 LT 30'	250177.23	1798025.93

# Boring Number B-1 Boring Symbol (Borings drilled between April 9 and May 15, 2013)

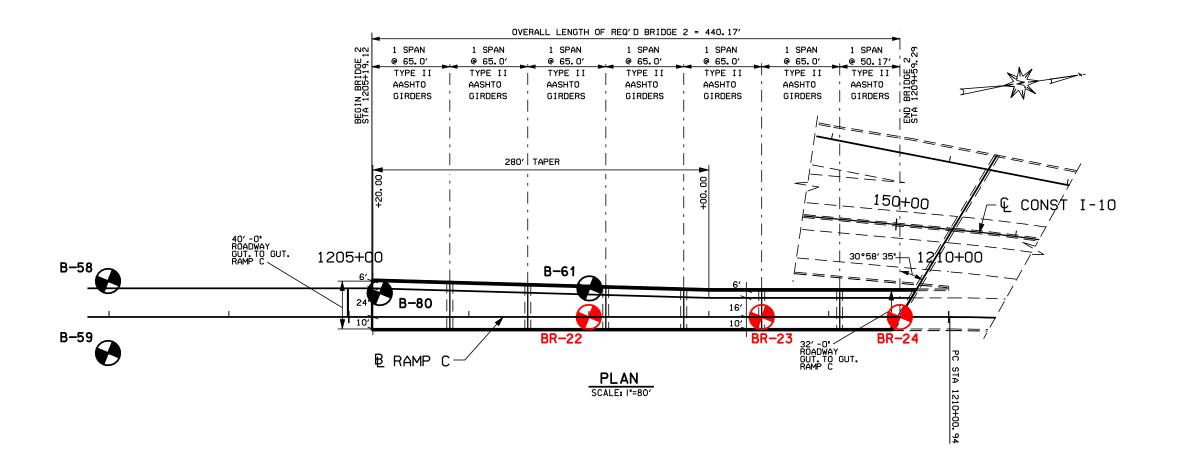
LEGEND

Boring Symbol (Borings drilled between January 14 and 22, 2014)

Alabama Department of Transportation			
Bridge Sheet of			
thompson ENGINEERING 2970 COTTAGE HILL RD. MOBILE, AL 36606	PROJECT NO. BRIDGE FOUNDATION REPORT I-10 INTERCHANGE MODIFICATIONS FROM TEXAS STREET TO WEST TUNNEL ENTRANCE MOBILE COUNTY, ALABAMA		
APPROVED : SAM STERNBERG III, P.E.	Medical economy, and a sum of		
GEOTECHNICAL ENGINEER	Preliminary Project No: DPI-AL06(900)		
DATE:	PLAN SHEET Sheet 2 of 42		

RAMP C





BORING	STATION	NORTHING	EASTING
B-58	1203+00 LT 30'	249254.51	1798009.76
B-59	1203+00 RT 30'	249251.48	1798069.68
B-60	1205+00 LT 20'	249453.19	1798030.05
B-61	1207+00 LT 25'	249653.75	1798035.00
BR-22	1207+00 BL	249626.80	1798058.66
BR-23	1208+44 BL	249796.42	1798067.26
BR-24	1209+59 BL	249911.44	1798073.09

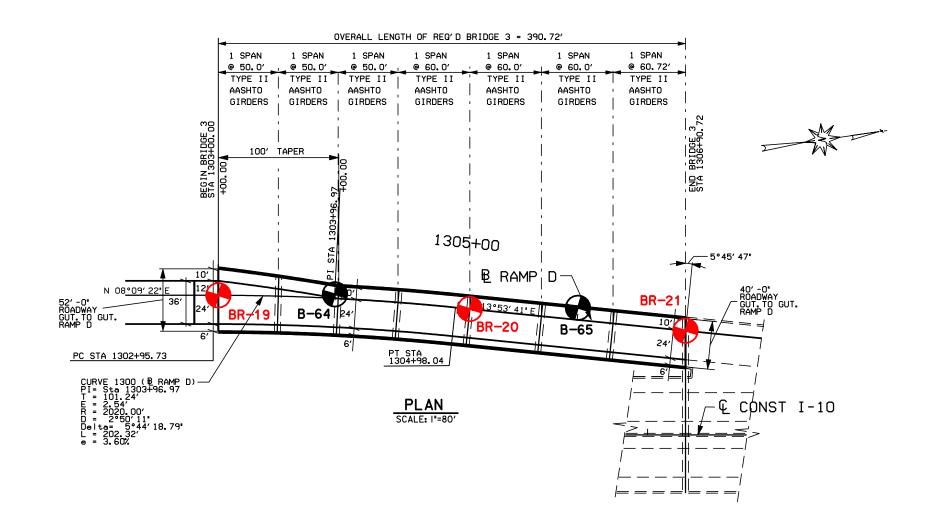
### LEGEND

Boring Number B-1

Boring Symbol (Borings drilled between April 9 and May 15, 2013)

Boring Symbol (Borings drilled between January 14 and 22, 2014)

Alabama Department of Transportation			
Bridge Sheet	of		
thompson ENGINEERING 2970 COTTAGE HILL RD. MOBILE, AL 36606		PROJECT NO. BRIDGE FOUNDATION REPORT I-10 INTERCHANGE MODIFICATIONS FROM TEXAS STREET TO WEST TUNNEL ENTRANCE MOBILE COUNTY, ALABAMA	
APPROVED:	SAM STERNBERG III, P.E.	,	
GEOTECHNICAL ENGINEER		Preliminary Project No: DPI-AL06(900)	
DATE:		PLAN SHEET Sheet 3 of 42	



### LEGEND

**Boring Number** 

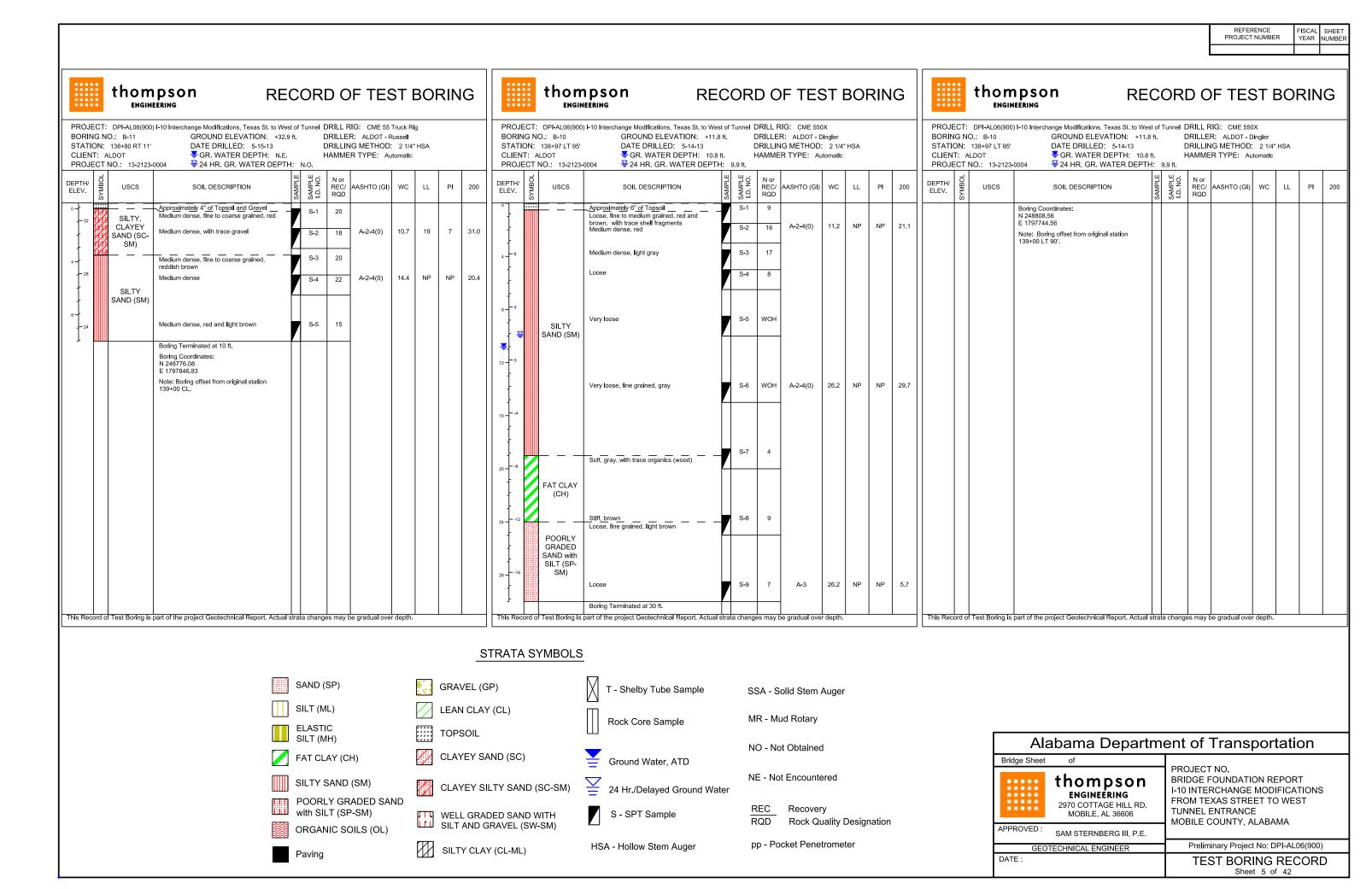
B-1

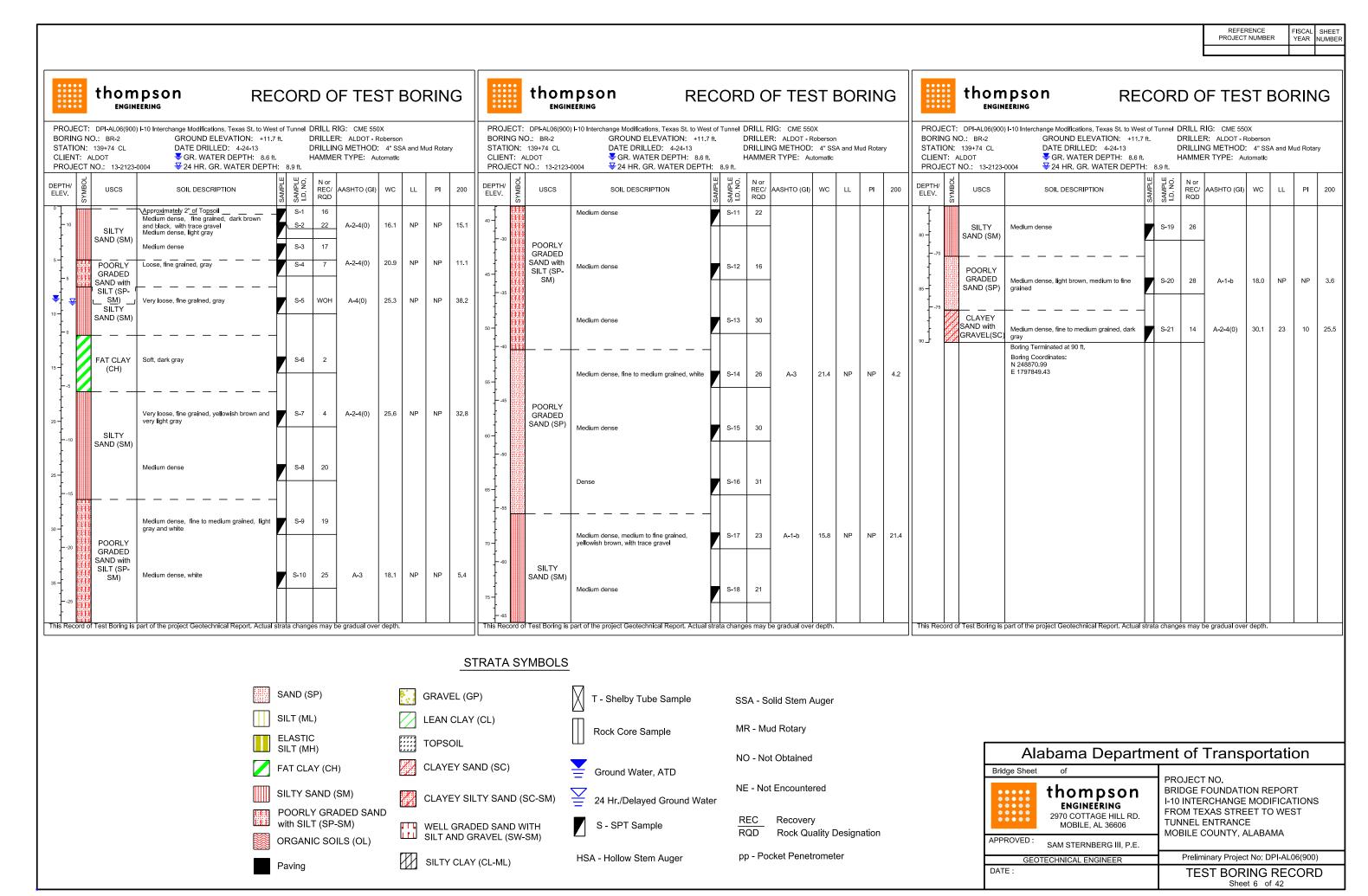
Boring Symbol (Borings drilled between April 9 and May 15, 2013)

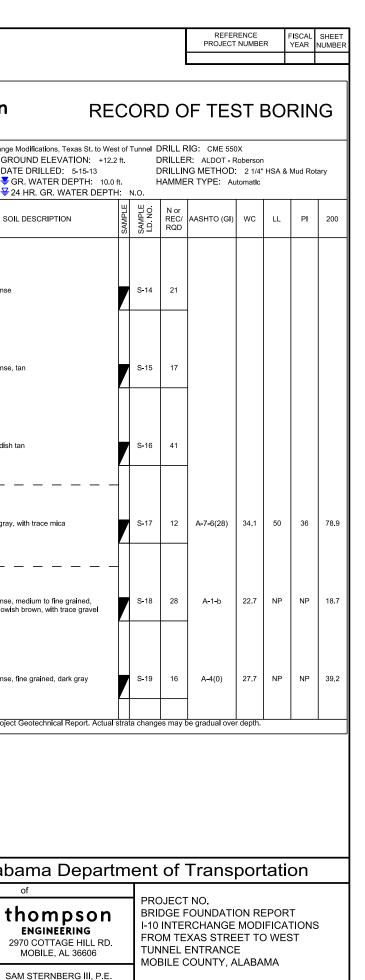
Boring Symbol (Borings drilled between January 14 and 22, 2014)

BORING	STATION	NORTHING	EASTING
BR-19	1303+00 BL	249262.12	1797789.10
B-64	1303+97 LT 3'	249348.19	1797799.21
BR-20	1305+10 BL	249457.49	1797827.06
B-65	1306+00 LT 10'	249547.13	1797839.01
BR-21	1306+91 BL	249632.46	1797870.42

Alabama Department of Transportation			
Bridge Sheet of	<u> </u>		
thompson ENGINEERING 2970 COTTAGE HILL RD. MOBILE, AL 36606	PROJECT NO. BRIDGE FOUNDATION REPORT I-10 INTERCHANGE MODIFICATIONS FROM TEXAS STREET TO WEST TUNNEL ENTRANCE MOBILE COUNTY, ALABAMA		
APPROVED: SAM STERNBERG III, P.E.	NIOSIEE GOOKI I, ALASAWA		
GEOTECHNICAL ENGINEER	Preliminary Project No: DPI-AL06(900)		
DATE:	PLAN SHEET Sheet 4 of 42		







Preliminary Project No: DPI-AL06(900)

**TEST BORING RECORD** 

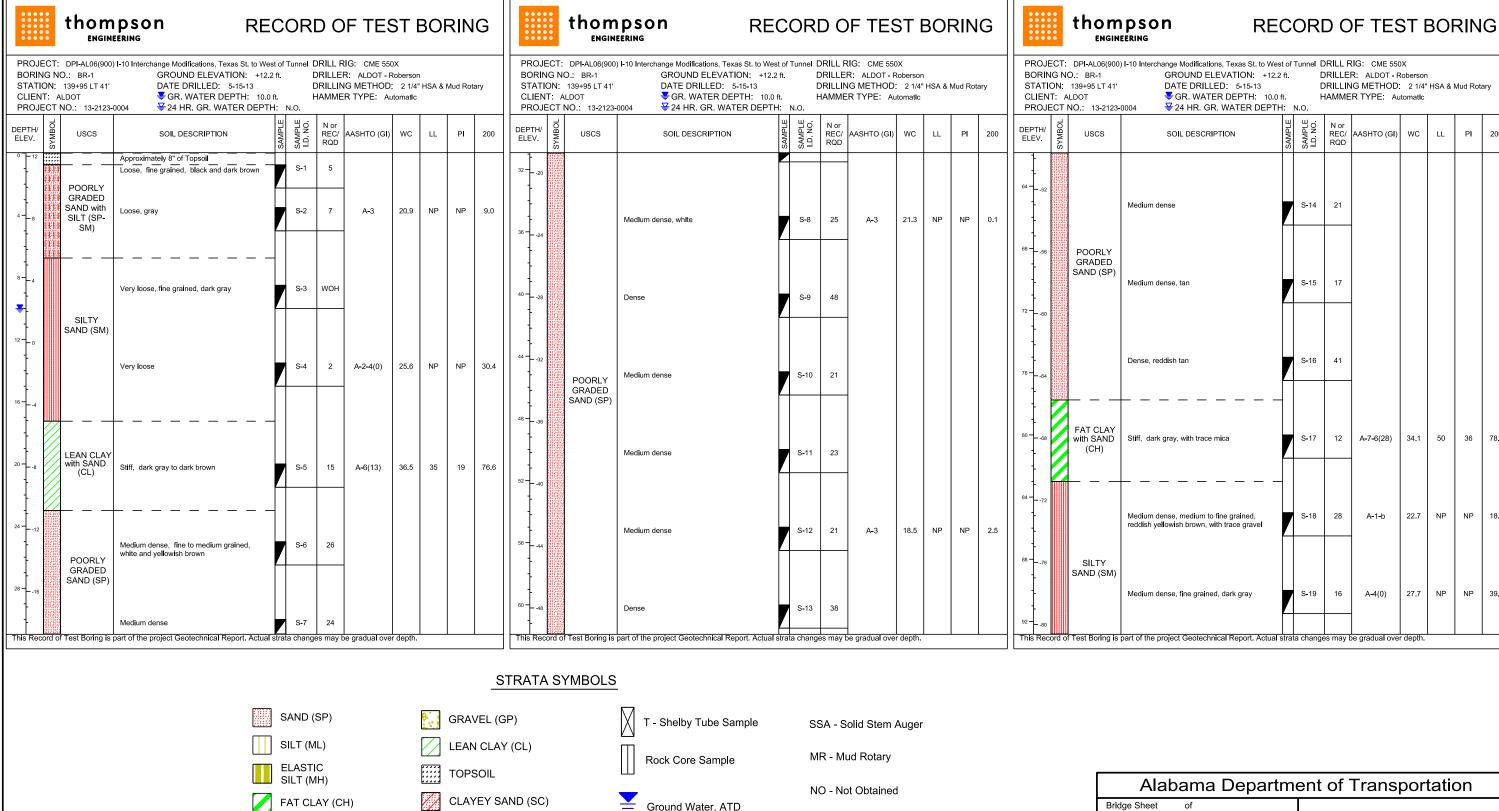
ENGINEERING

MOBILE, AL 36606

GEOTECHNICAL ENGINEER

APPROVED:

DATE:



24 Hr./Delayed Ground Water

S - SPT Sample

HSA - Hollow Stem Auger

SILTY SAND (SM)

with SILT (SP-SM)

Paving

ORGANIC SOILS (OL)

POORLY GRADED SAND

CLAYEY SILTY SAND (SC-SM)

WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM)

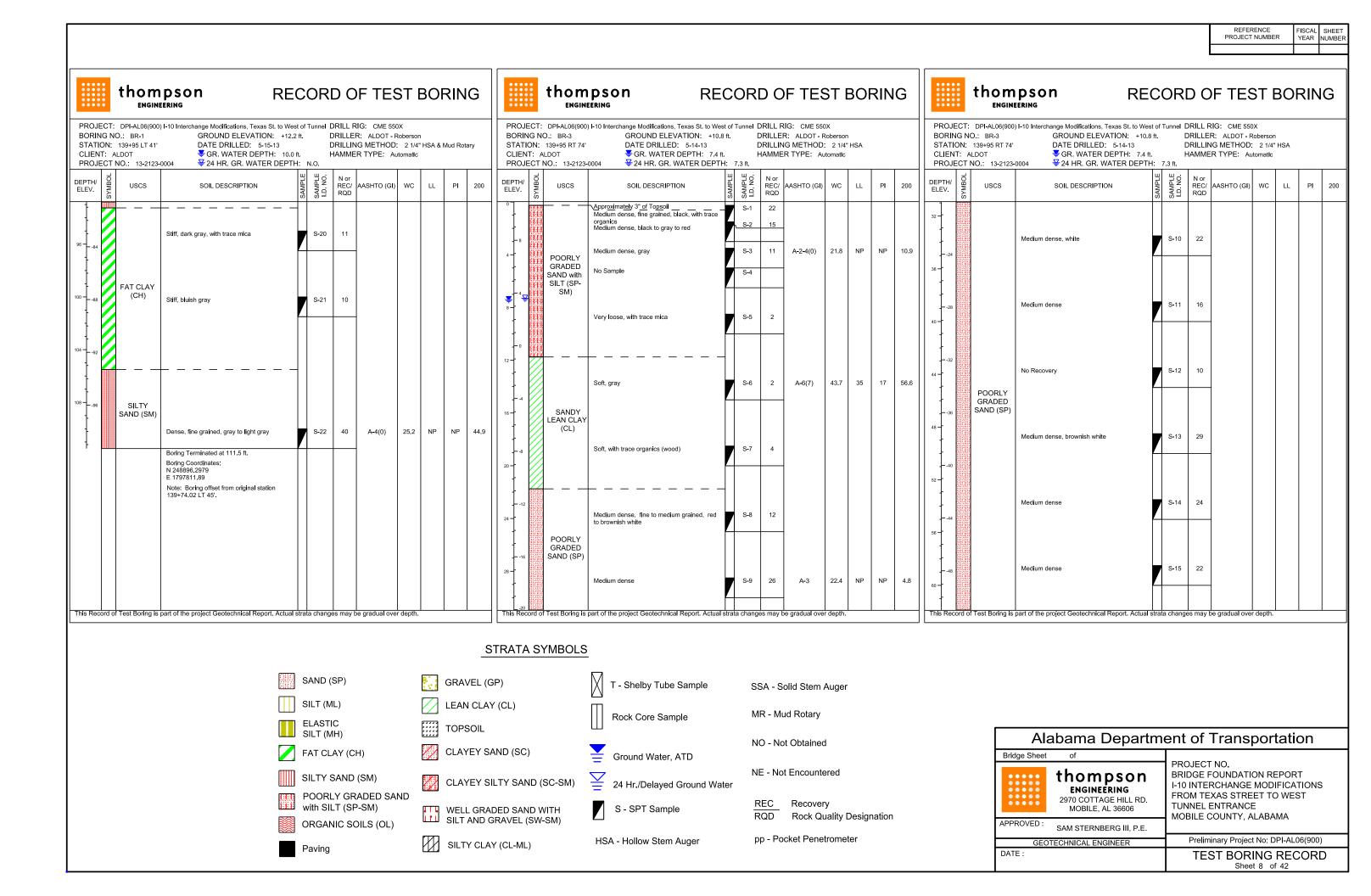
SILTY CLAY (CL-ML)

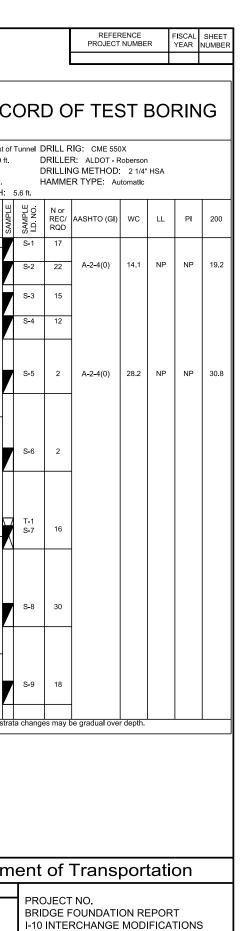
NE - Not Encountered

Recovery

pp - Pocket Penetrometer

Rock Quality Designation





FROM TEXAS STREET TO WEST

Preliminary Project No: DPI-AL06(900)

**TEST BORING RECORD** 

MOBILE COUNTY, ALABAMA

**TUNNEL ENTRANCE** 

thompson

2970 COTTAGE HILL RD.

MOBILE, AL 36606

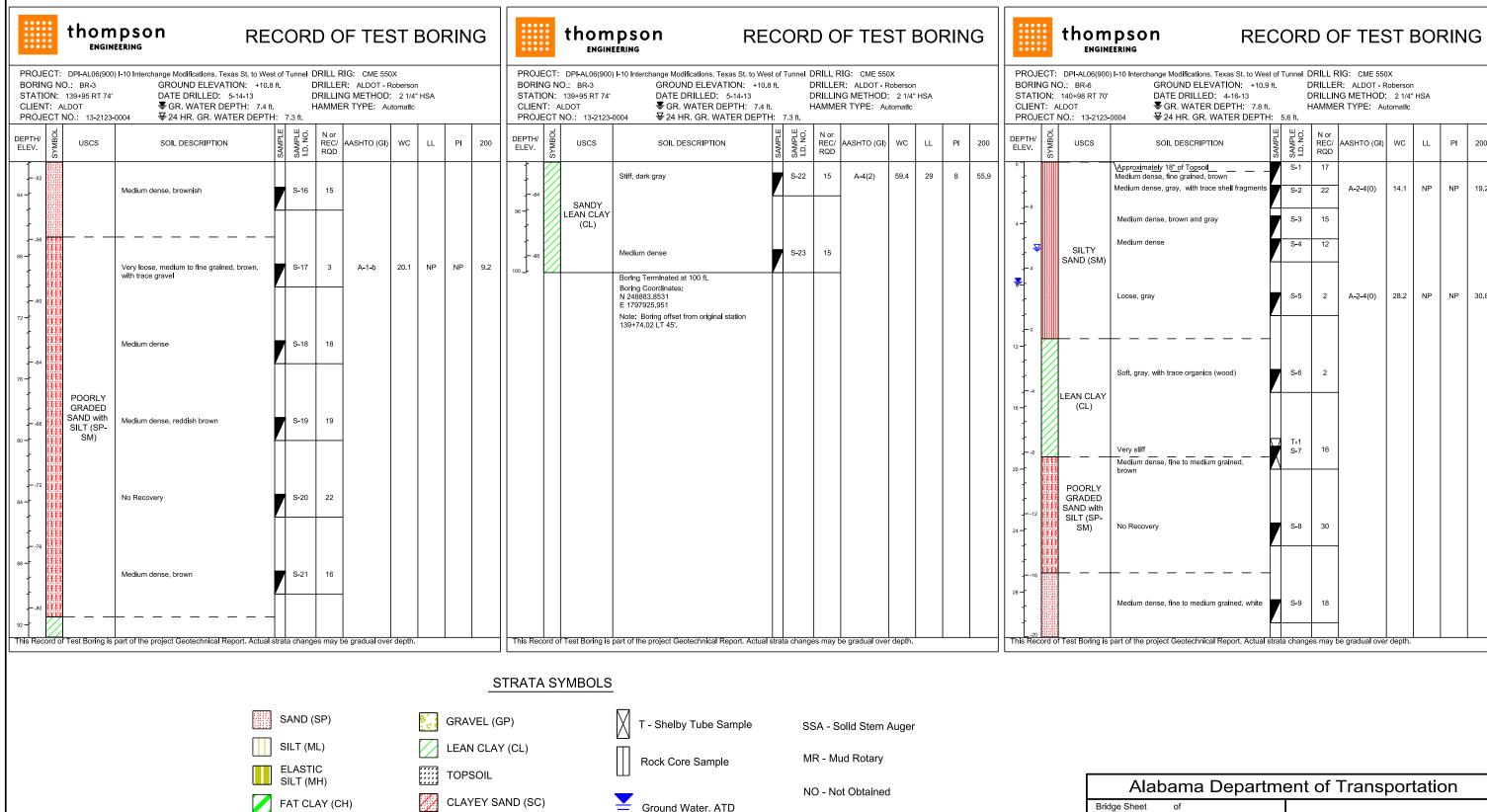
SAM STERNBERG III, P.E.

GEOTECHNICAL ENGINEER

APPROVED:

DATE:

ENGINEERING



24 Hr./Delayed Ground Water

S - SPT Sample

HSA - Hollow Stem Auger

SILTY SAND (SM)

with SILT (SP-SM)

Paving

ORGANIC SOILS (OL)

POORLY GRADED SAND

CLAYEY SILTY SAND (SC-SM)

WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM)

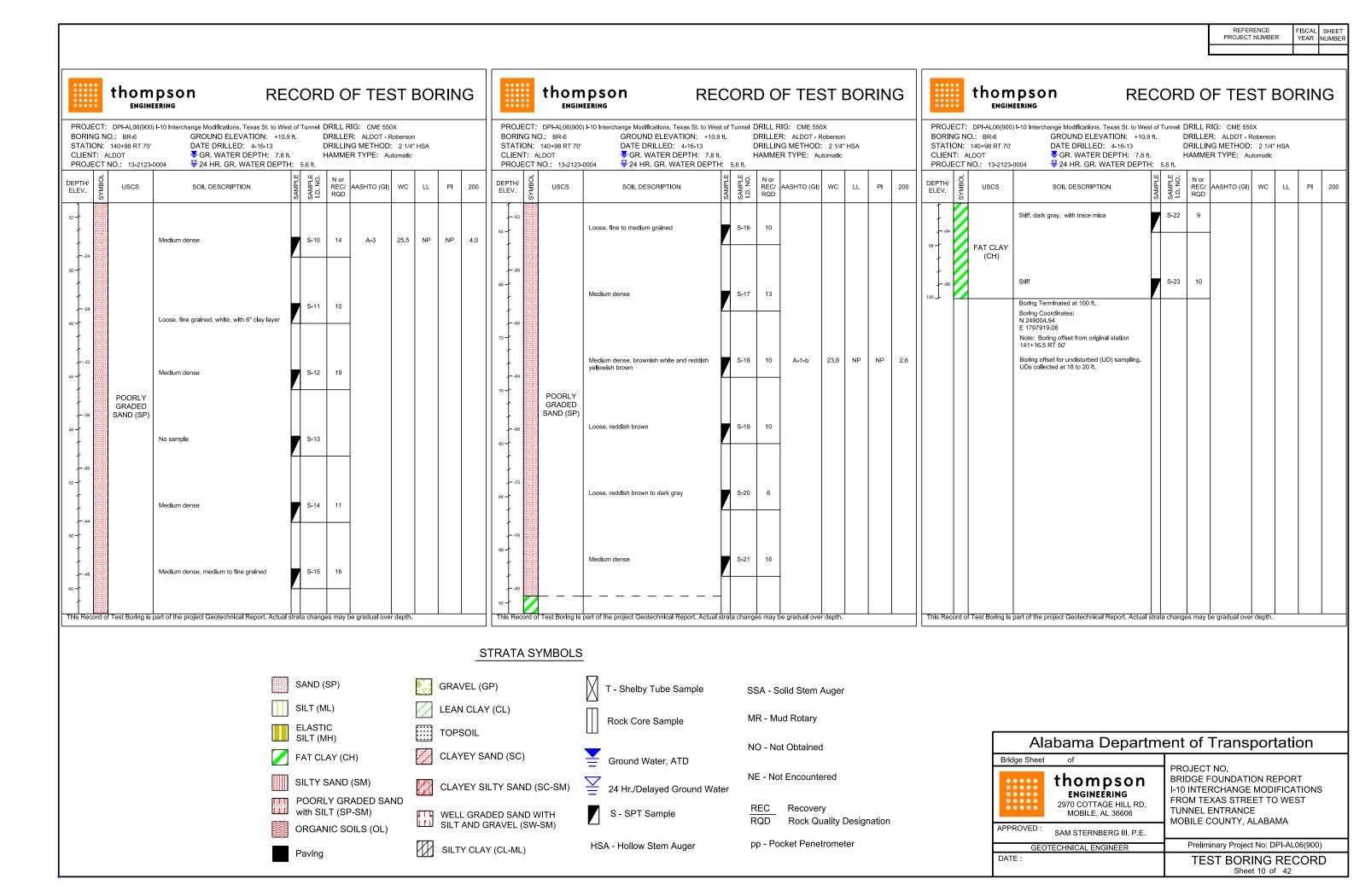
SILTY CLAY (CL-ML)

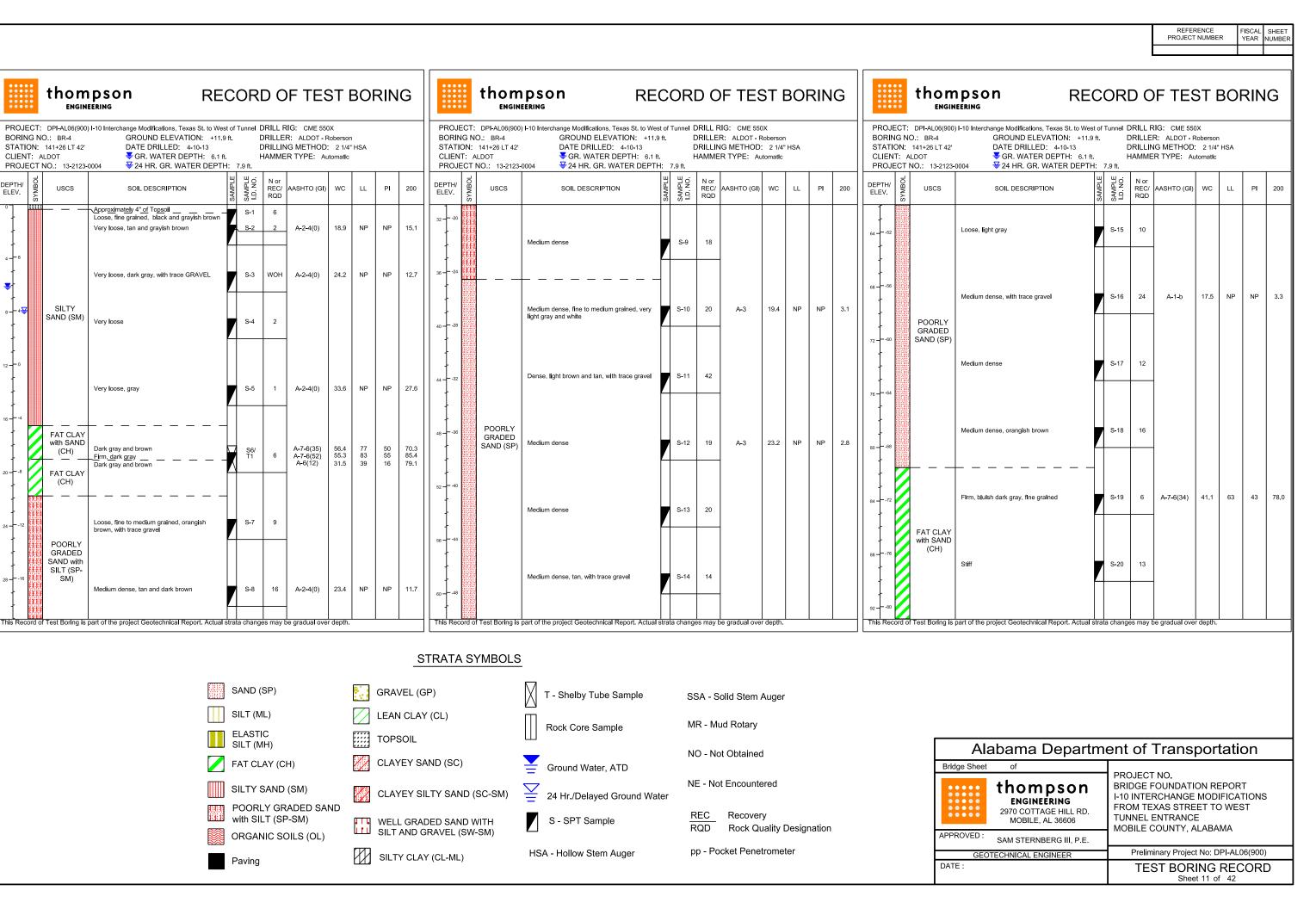
NE - Not Encountered

Recovery

pp - Pocket Penetrometer

Rock Quality Designation





SOIL DESCRIPTION

Very loose, tan and grayish brown

BORING NO BR-4

CLIENT: ALDOT

ELEV.

STATION: 141+26 LT 42'

PROJECT NO.: 13-2123-0004

SAND (SM)

FAT CLAY

(CH)

FAT CLAY

POOR! \ GRADED SAND with

SILT (SP

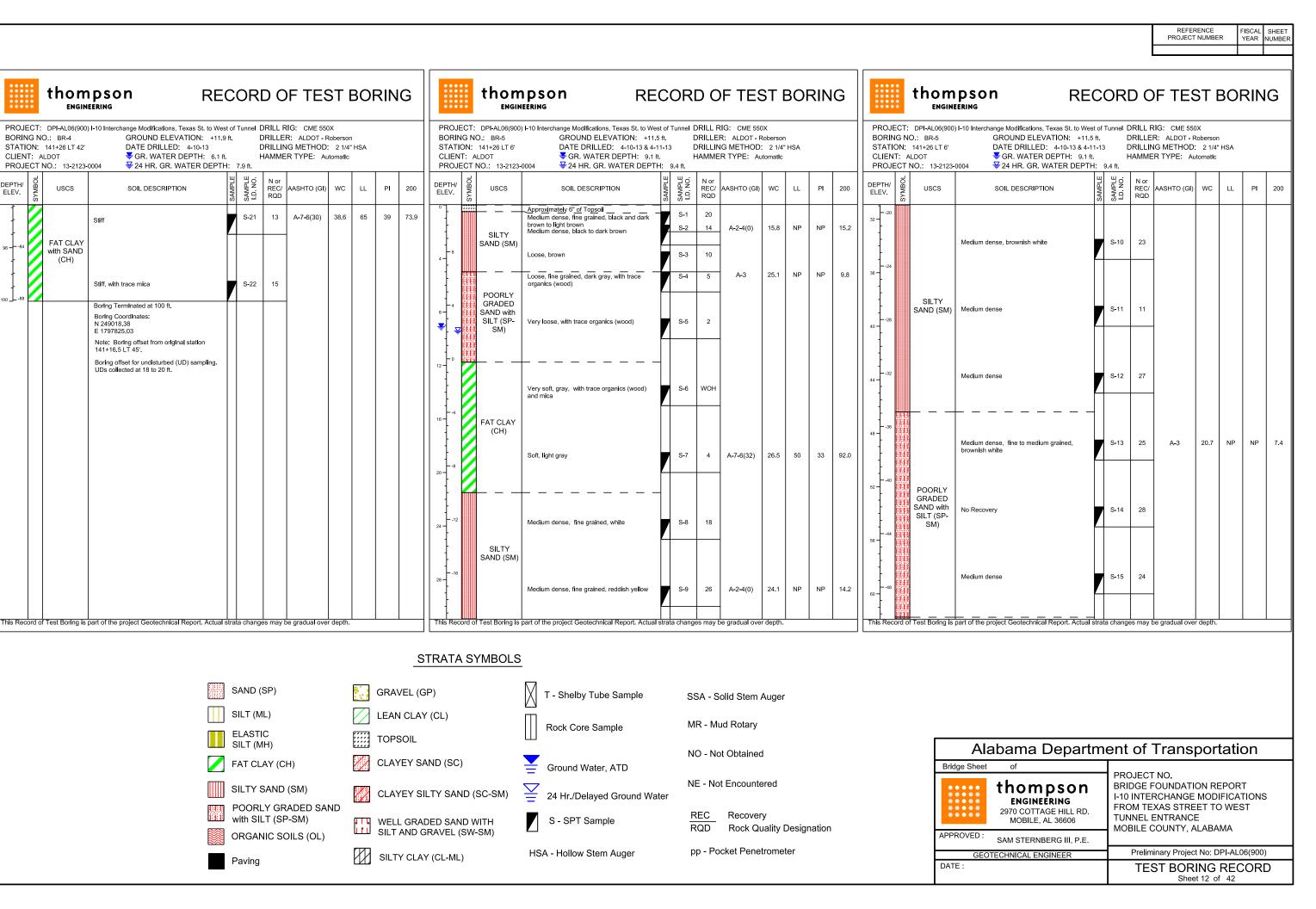
with SAND

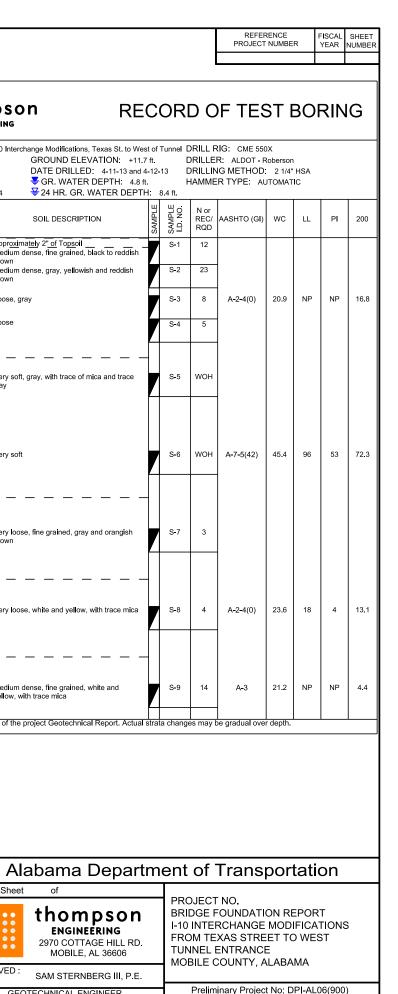
Very loose

Very loose, gray

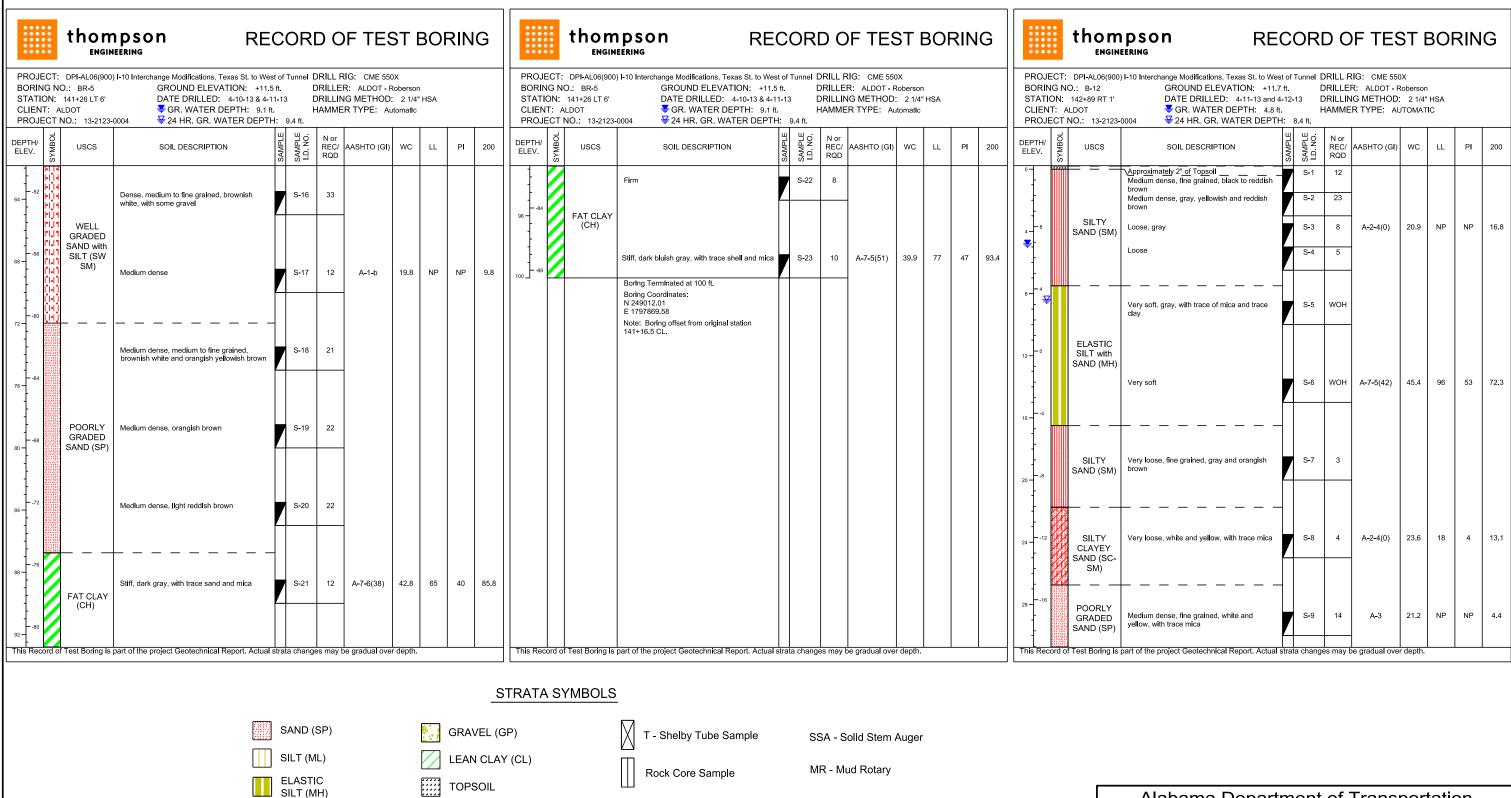
Dark gray and brown

Medium dense, tan and dark brown





**TEST BORING RECORD** 



Ground Water, ATD

S - SPT Sample

HSA - Hollow Stem Auger

24 Hr./Delayed Ground Water

CLAYEY SAND (SC)

WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM)

SILTY CLAY (CL-ML)

CLAYEY SILTY SAND (SC-SM)

FAT CLAY (CH)

SILTY SAND (SM)

with SILT (SP-SM)

Paving

ORGANIC SOILS (OL)

POORLY GRADED SAND

NO - Not Obtained

NE - Not Encountered

Recovery

pp - Pocket Penetrometer

Rock Quality Designation

Bridge Sheet

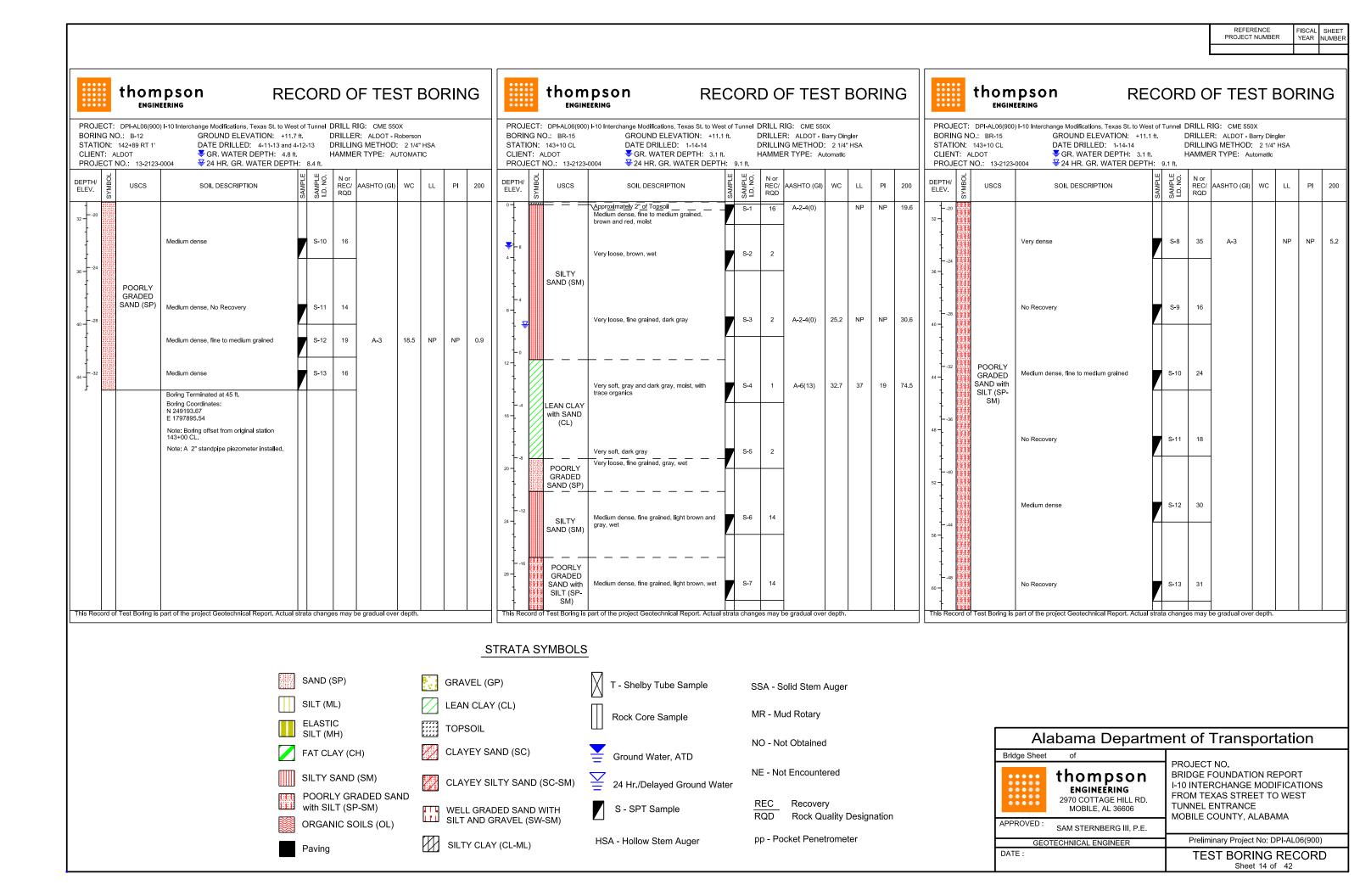
APPROVED:

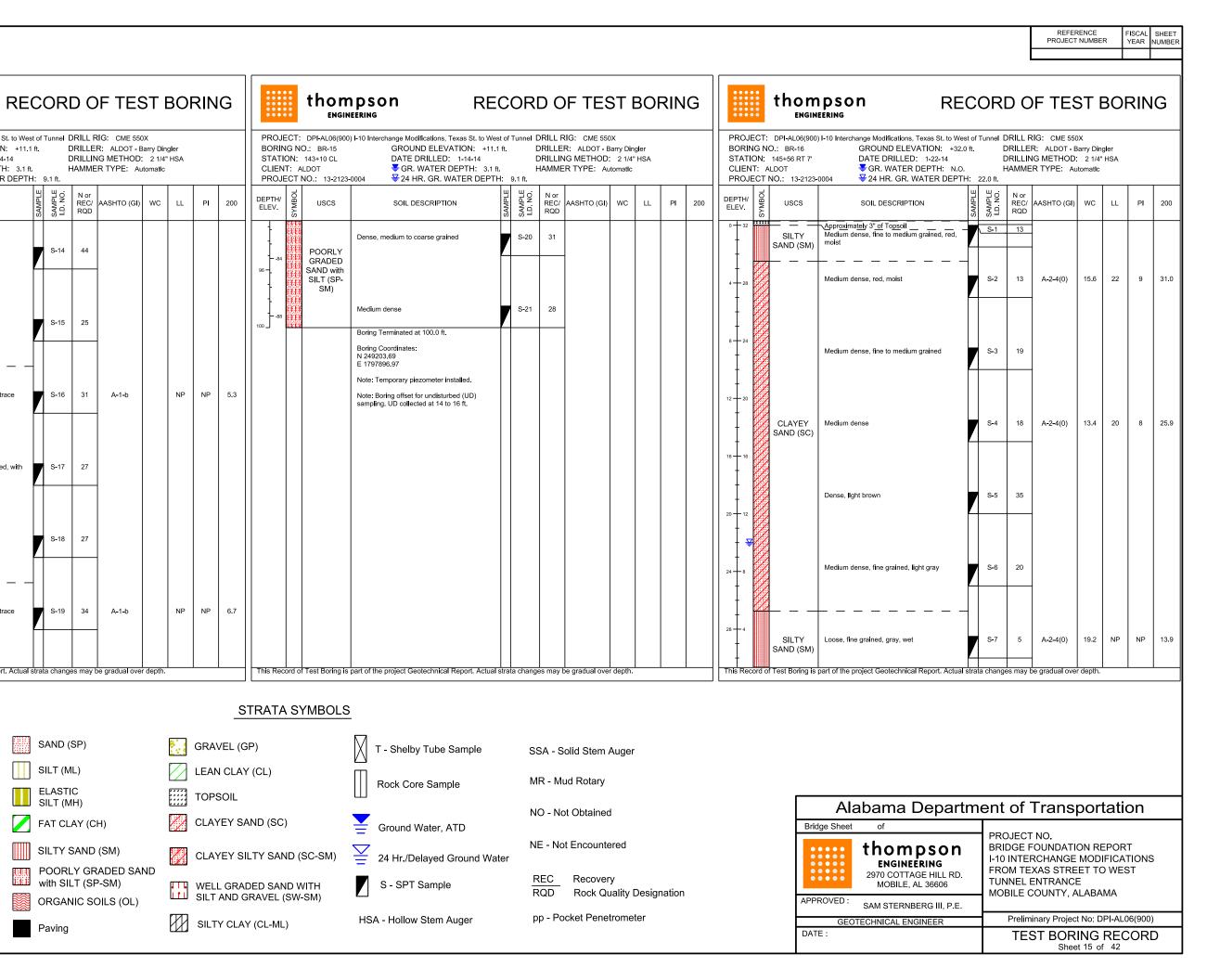
DATE:

ENGINEERING

MOBILE, AL 36606

GEOTECHNICAL ENGINEER





No Recovery

Medium dense

trace gravel

Medium dense

BORING NO BR-15

STATION: 143+10 CL

PROJECT NO.: 13-2123-0004

POORLY

GRADED

SAND with SILT (SP-

GRADED

SAND with SILT (SW-

POORLY GRADED

SAND with SILT (SP

CLIENT: ALDOT

ELEV.

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel DRILL RIG: CME 550X

DATE DRILLED: 1-14-14

SOIL DESCRIPTION

Dense, medium to fine grained, with trace

Medium dense, fine to medium grained, with

Dense, medium to fine grained, with trace

This Record of Test Boring is part of the project Geotechnical Report. Actual strata changes may be gradual over depth.

GROUND ELEVATION: +11.1 ft.

¥24 HR. GR. WATER DEPTH: 9.1 ft.

♣ GR. WATER DEPTH: 3.1 ft.

DRILLER: ALDOT - Barry Dingler

WC

HAMMER TYPE: Automatic

N or REC/ AASHTO (GI) RQD

SAMPLE I.D. NO.

S-14

S-15

S-17

25

31

27

27

34

SAND (SP)

SILT (ML)

ELASTIC SILT (MH)

Paving

FAT CLAY (CH)

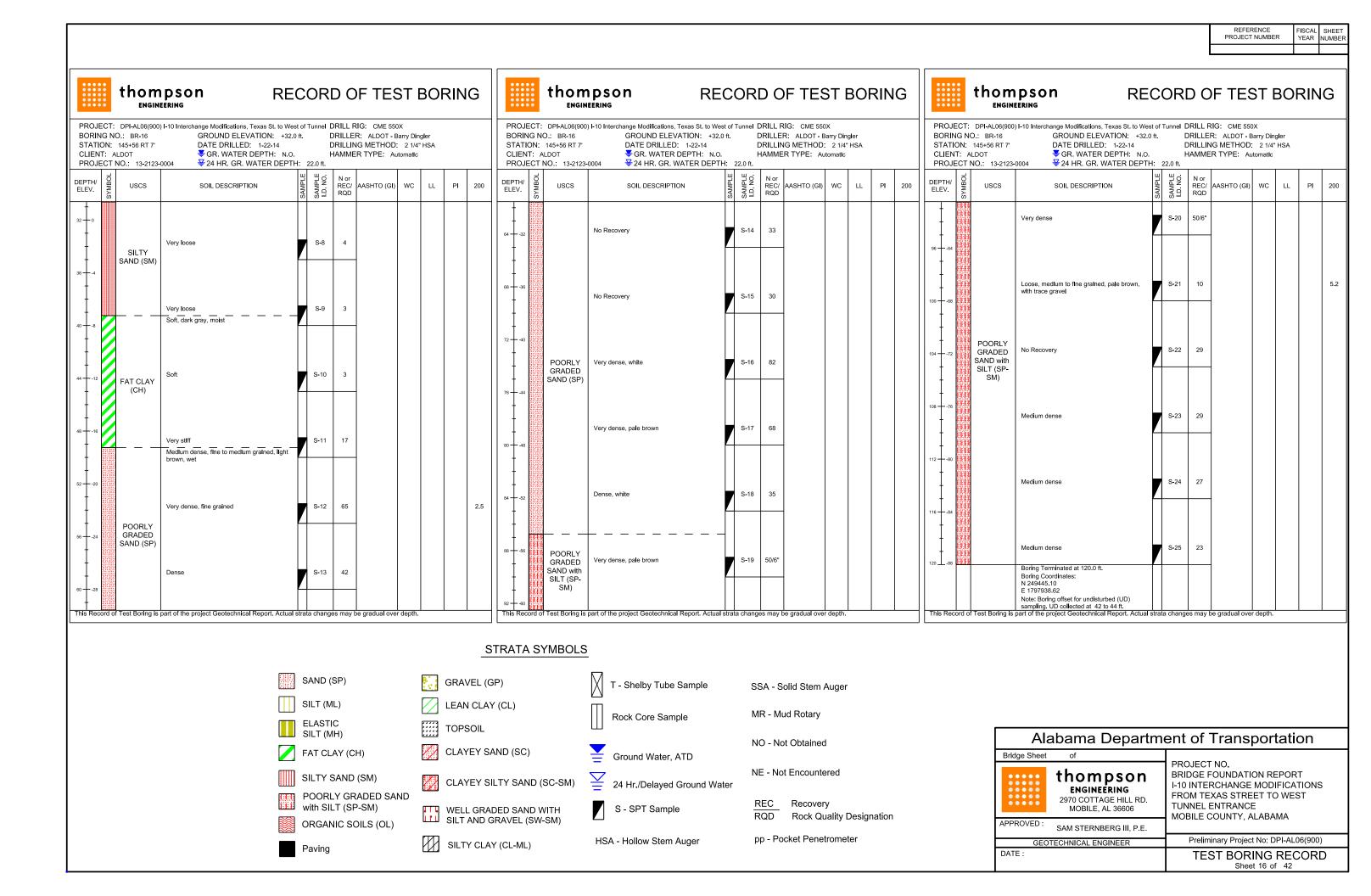
SILTY SAND (SM)

with SILT (SP-SM)

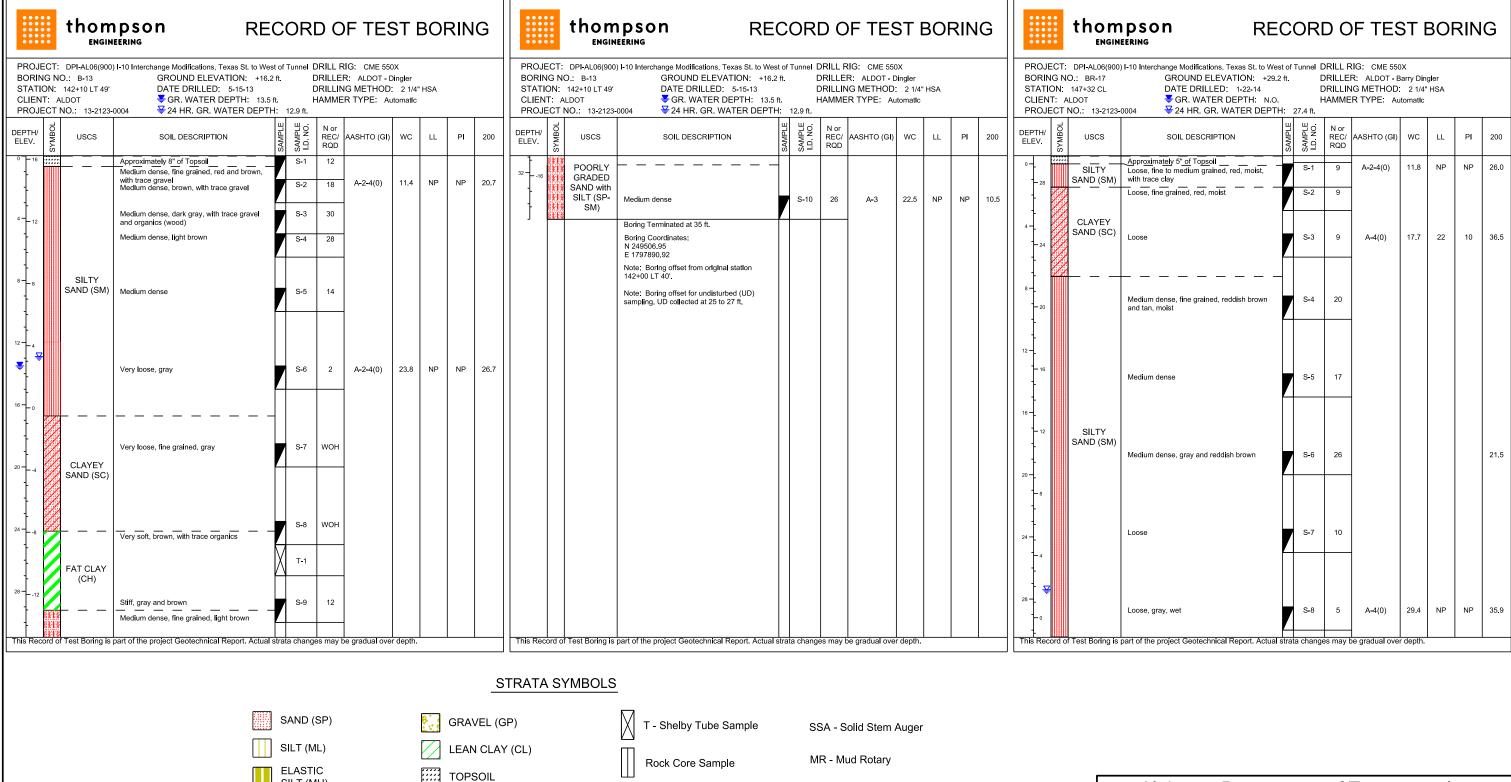
ORGANIC SOILS (OL)

POORLY GRADED SAND

A-1-b



REFERENCE PROJECT NUMBER	SHEET NUMBER



# TOPSOIL CLAYEY SAND (SC) Ground Water, ATD NO - Not Obtained NE - Not Encountered NE - Not Encountered

SILT (MH)

Paving

FAT CLAY (CH)

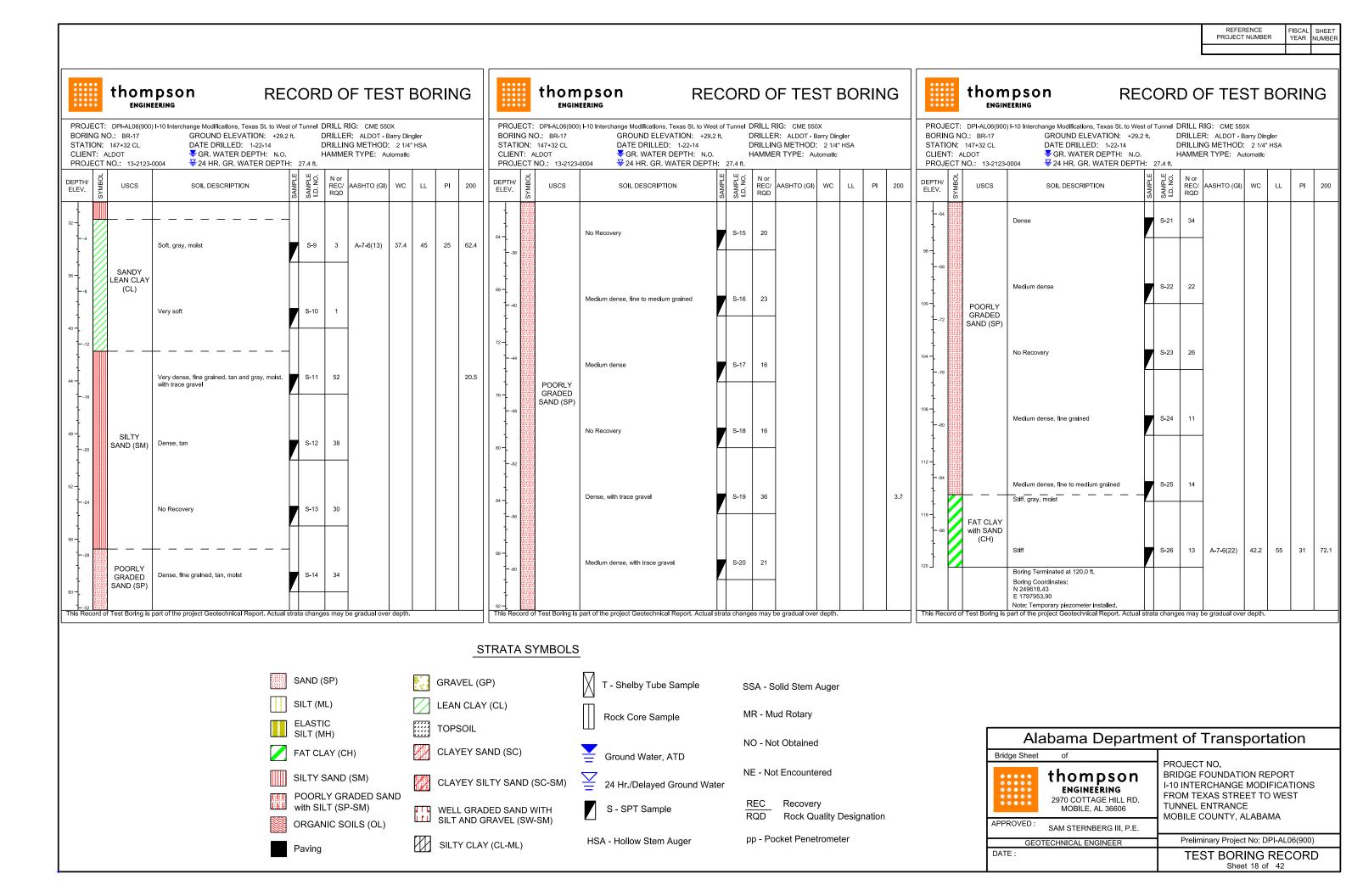
SILTY SAND (SM)

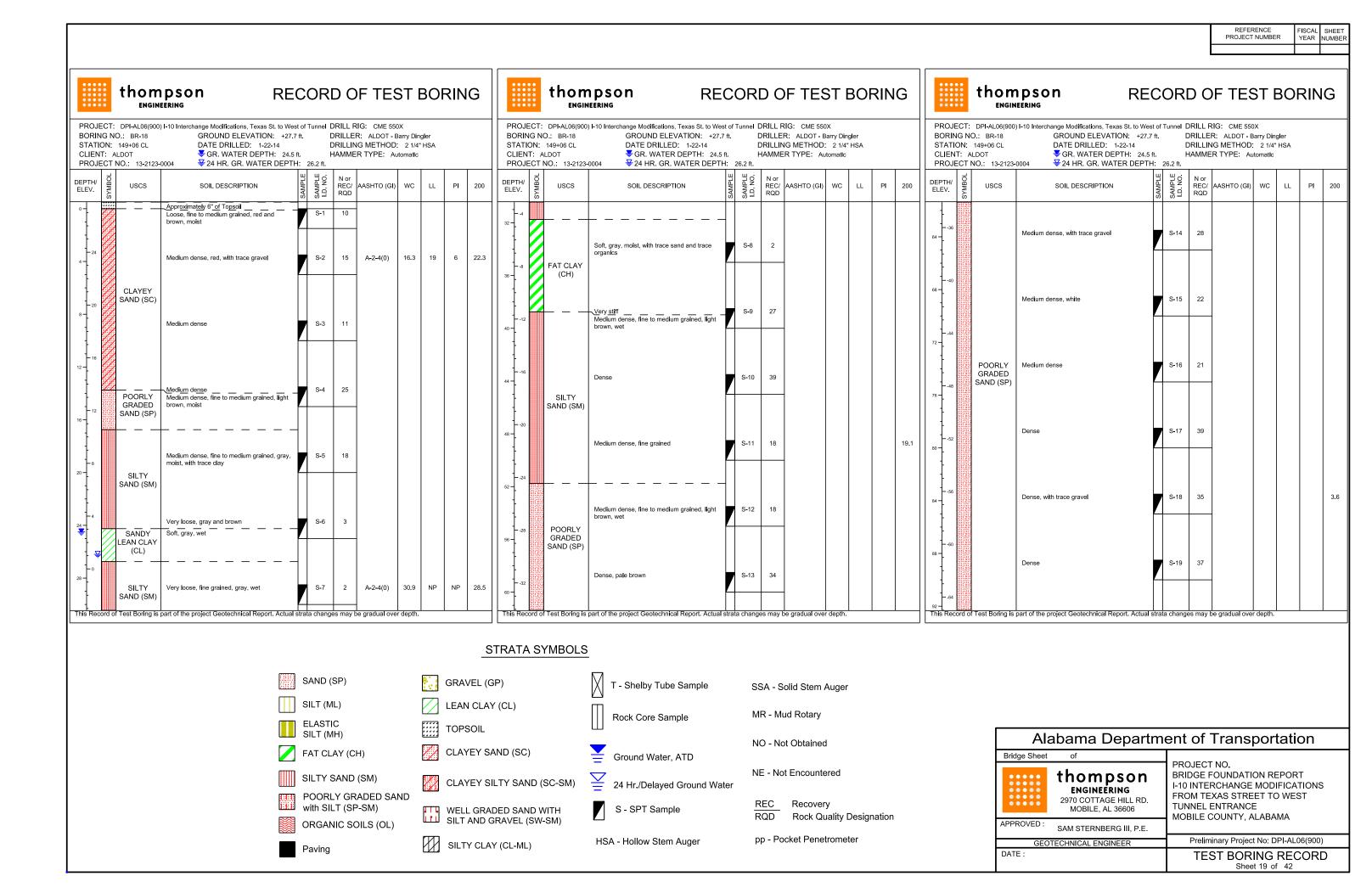
with SILT (SP-SM)

ORGANIC SOILS (OL)

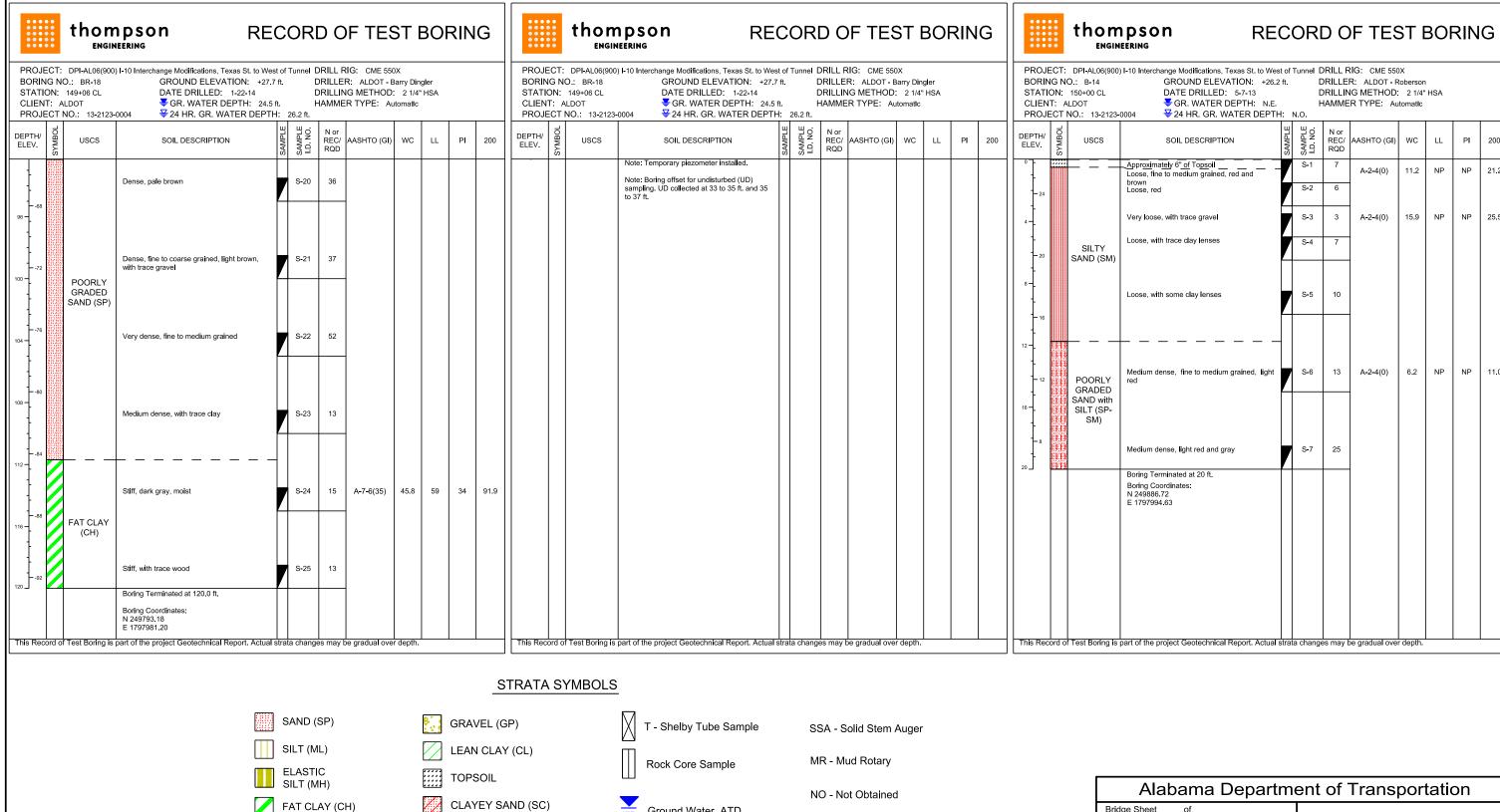
POORLY GRADED SAND

Alabama Department of Transportation Bridge Sheet PROJECT NO. BRIDGE FOUNDATION REPORT thompson I-10 INTERCHANGE MODIFICATIONS ENGINEERING FROM TEXAS STREET TO WEST 2970 COTTAGE HILL RD. **TUNNEL ENTRANCE** MOBILE, AL 36606 MOBILE COUNTY, ALABAMA APPROVED: SAM STERNBERG III, P.E. Preliminary Project No: DPI-AL06(900) GEOTECHNICAL ENGINEER DATE: **TEST BORING RECORD** 





REFERENCE	FISCAL	SHEET
PROJECT NUMBER	YEAR	NUMBER



Ground Water, ATD

S - SPT Sample

HSA - Hollow Stem Auger

24 Hr./Delayed Ground Water

CLAYEY SILTY SAND (SC-SM)

WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM)

SILTY CLAY (CL-ML)

SILTY SAND (SM)

with SILT (SP-SM)

Paving

ORGANIC SOILS (OL)

POORLY GRADED SAND

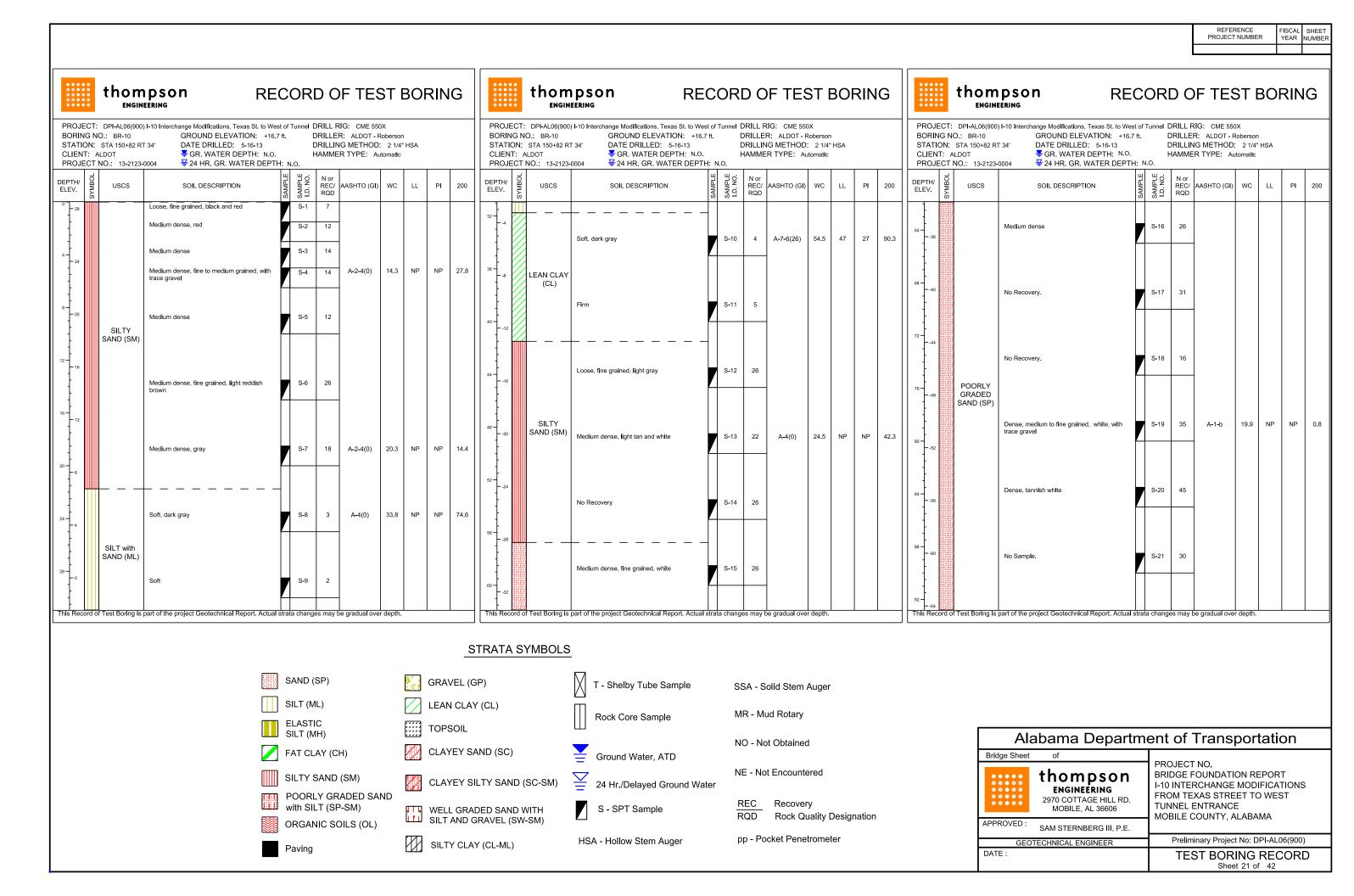
NE - Not Encountered

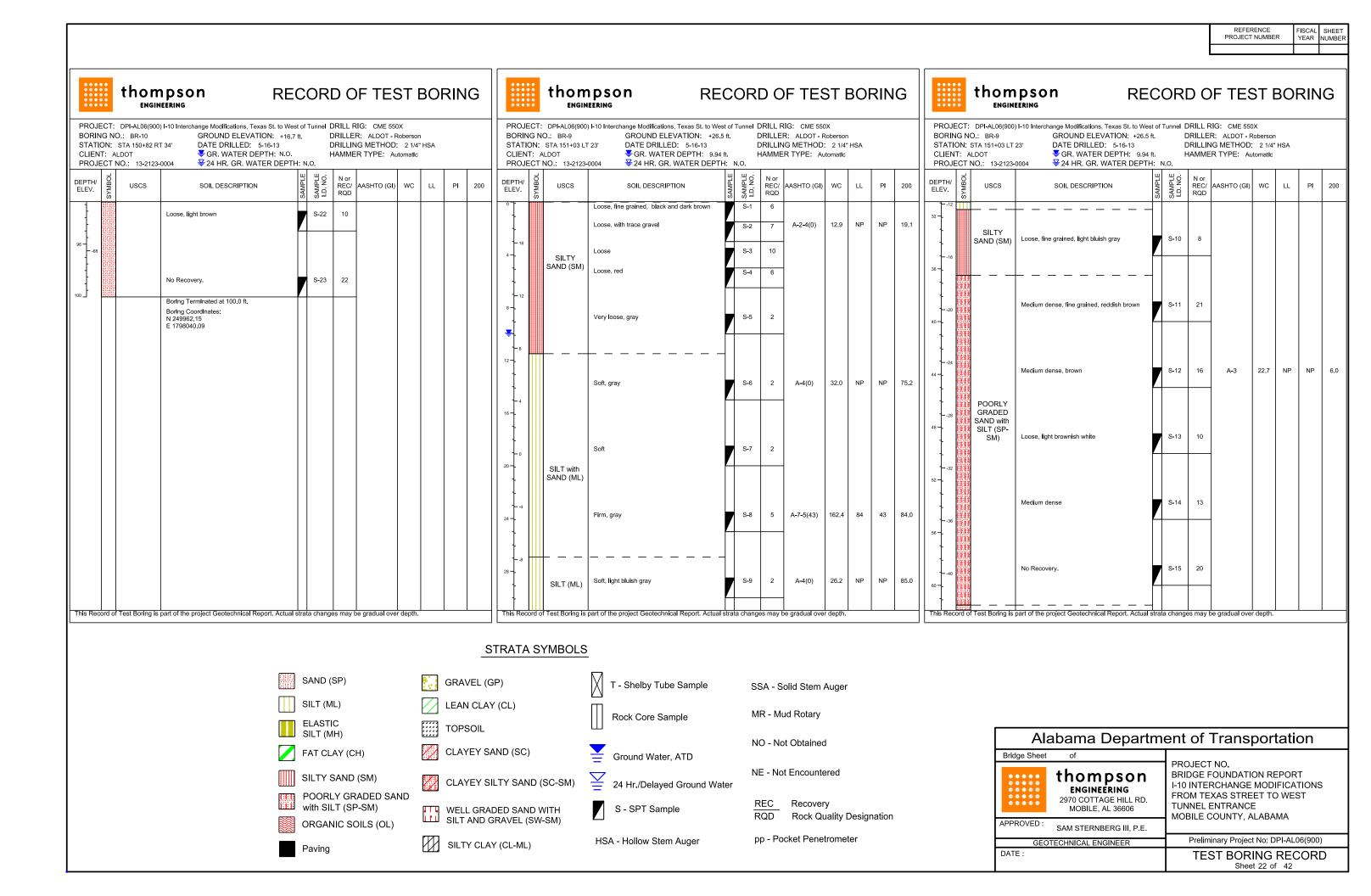
Recovery

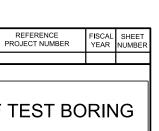
pp - Pocket Penetrometer

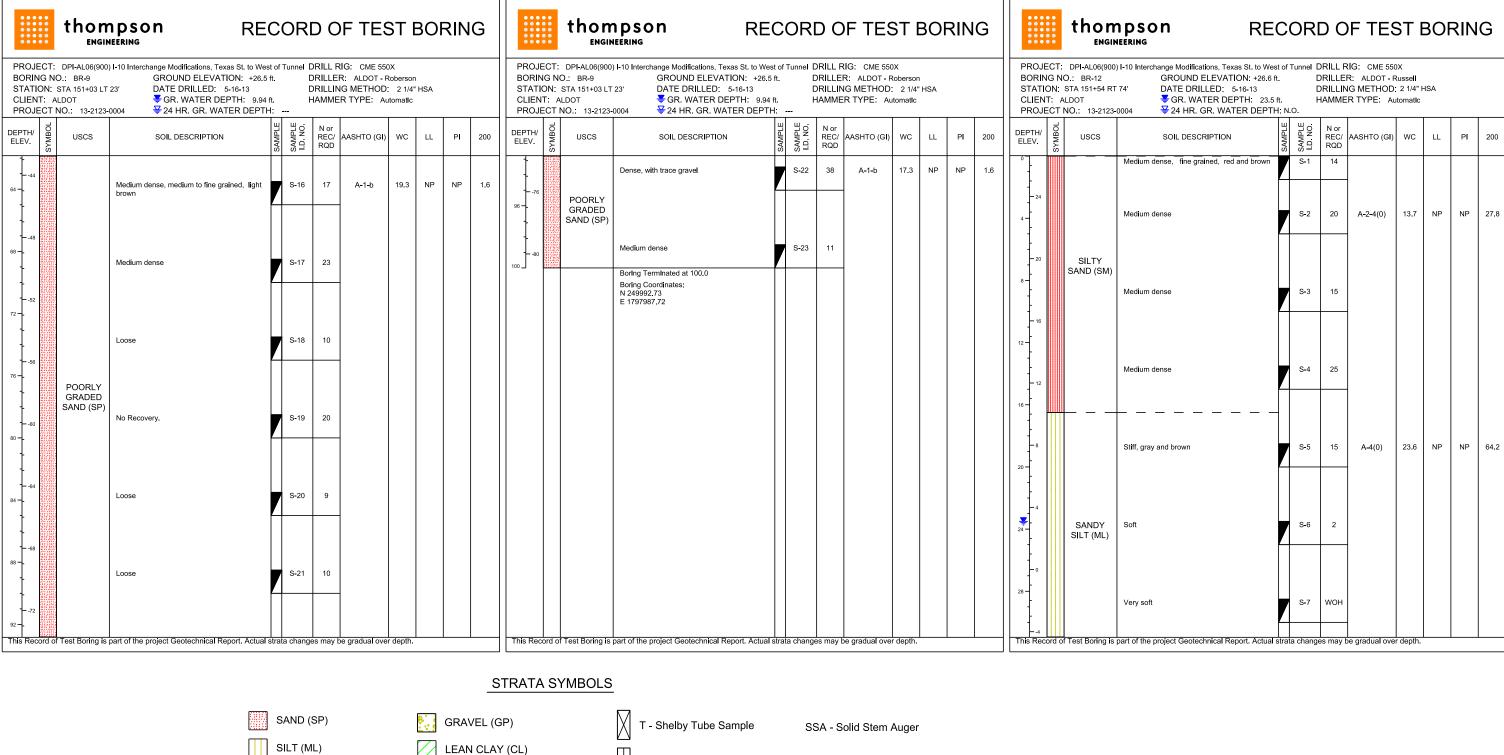
Rock Quality Designation

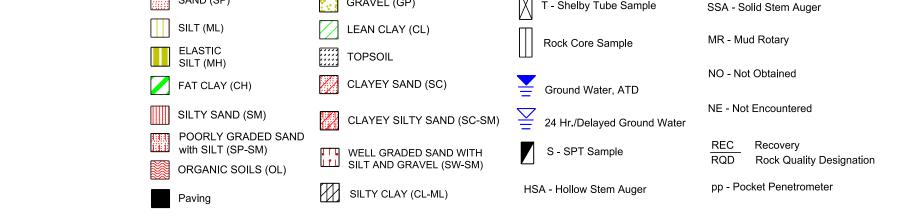
### Bridge Sheet PROJECT NO. BRIDGE FOUNDATION REPORT thompson I-10 INTERCHANGE MODIFICATIONS ENGINEERING FROM TEXAS STREET TO WEST 2970 COTTAGE HILL RD. **TUNNEL ENTRANCE** MOBILE, AL 36606 MOBILE COUNTY, ALABAMA APPROVED: SAM STERNBERG III, P.E. Preliminary Project No: DPI-AL06(900) GEOTECHNICAL ENGINEER DATE: **TEST BORING RECORD**



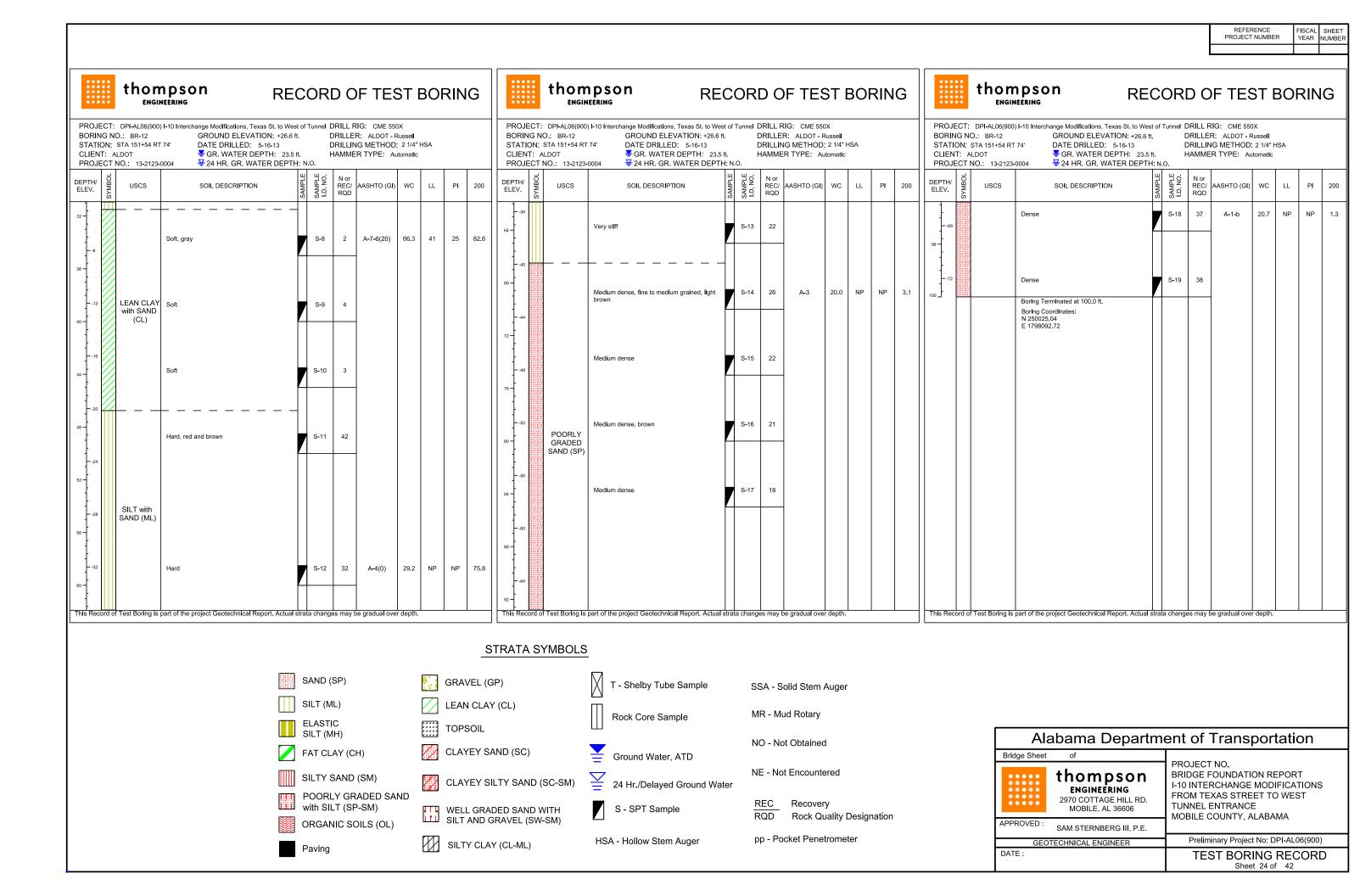


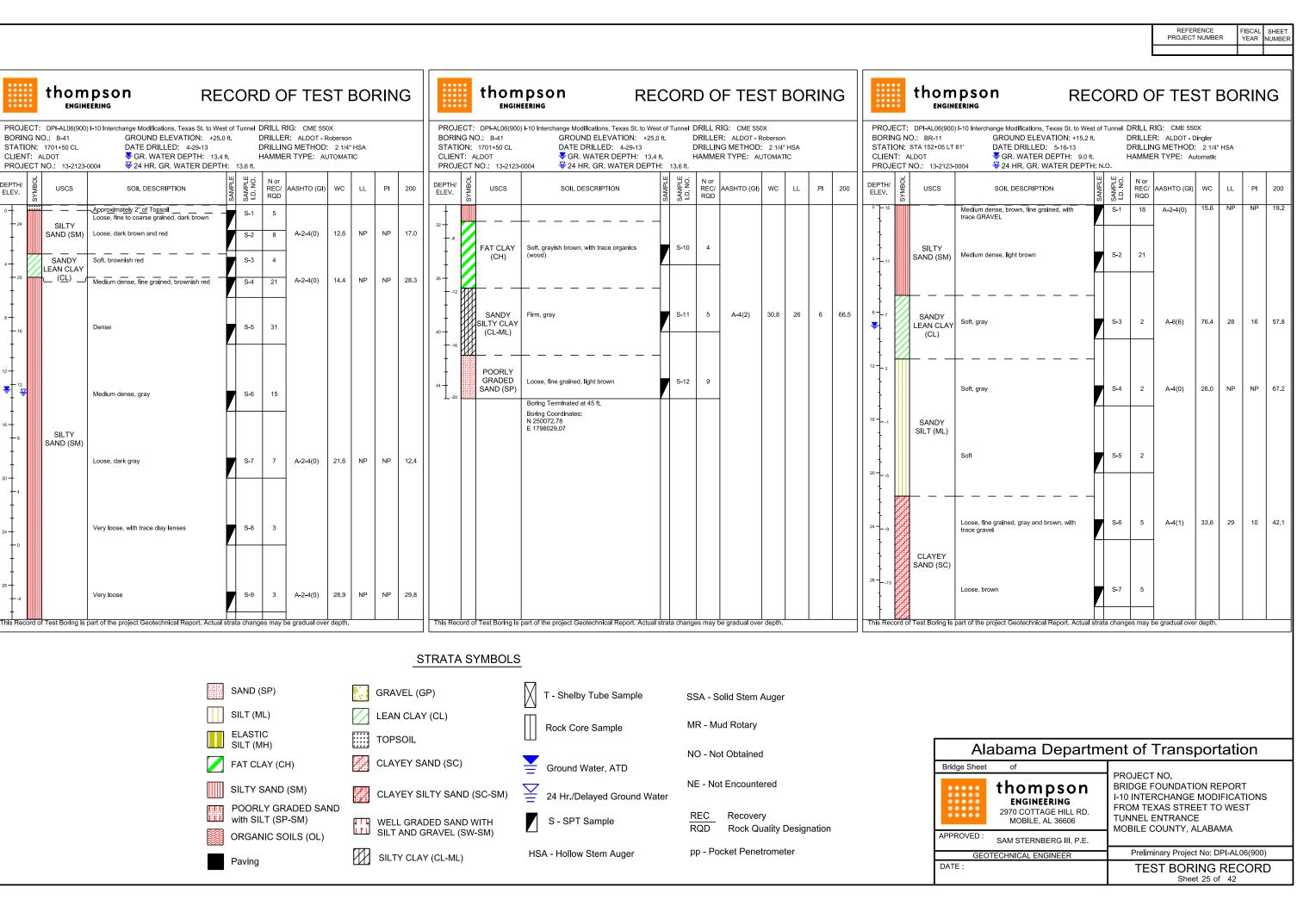


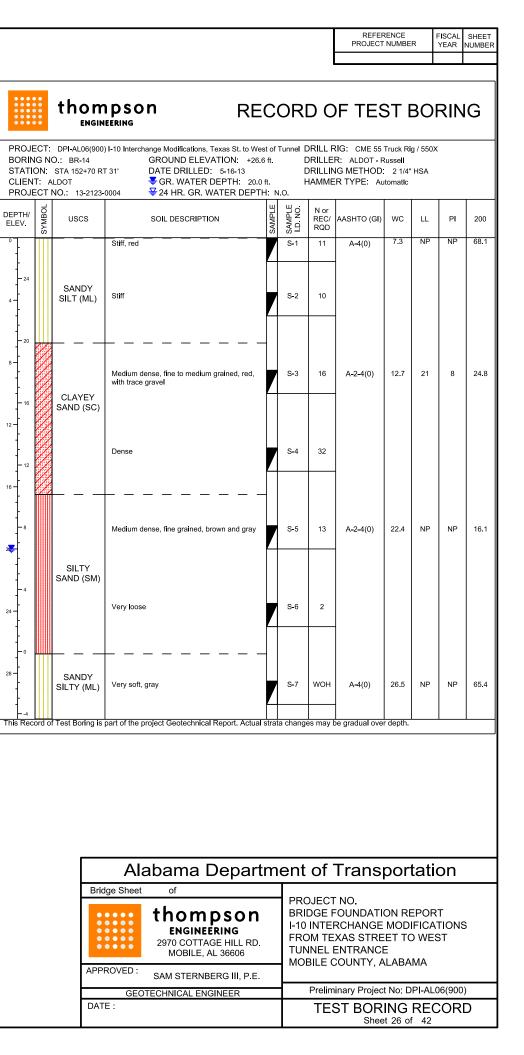




#### Alabama Department of Transportation Bridge Sheet PROJECT NO. BRIDGE FOUNDATION REPORT thompson I-10 INTERCHANGE MODIFICATIONS ENGINEERING FROM TEXAS STREET TO WEST 2970 COTTAGE HILL RD. **TUNNEL ENTRANCE** MOBILE, AL 36606 MOBILE COUNTY, ALABAMA APPROVED: SAM STERNBERG III, P.E. Preliminary Project No: DPI-AL06(900) GEOTECHNICAL ENGINEER DATE: **TEST BORING RECORD**







Medium dense

Medium dense

Very dense

This Record of Test Boring is part of the project Geotechnical Report. Actual strata changes may be gradual over depth.

Medium dense, with trace gravel

BORING NO BR-11

CLIENT: ALDOT

ELEV.

STATION: STA 152+05 LT 61'

PROJECT NO.: 13-2123-0004

POORLY GRADED SAND (SP)

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel DRILL RIG: CME 550X

DATE DRILLED: 5-16-13

SOIL DESCRIPTION

GROUND ELEVATION: +15.2 ft.

₹GR. WATER DEPTH: 9.0 ft.

₹24 HR. GR. WATER DEPTH: N.O.

**RECORD OF TEST BORING** 

DRILLER: ALDOT - Dingler

HAMMER TYPE: Automatic

N or REC/ AASHTO (GI) RQD

A-3

32

30

S-12

S-13

SAND (SP)

SILT (ML)

ELASTIC

SILT (MH)

Paving

FAT CLAY (CH)

SILTY SAND (SM)

with SILT (SP-SM)

ORGANIC SOILS (OL)

POORLY GRADED SAND

SAMPLE I.D. NO.

S-8

DRILLING METHOD: 2 1/4" HSA

WC

thompson

Medium dense

BORING NO.: BR-11

CLIENT: ALDOT

DEPTH

STATION: STA 152+05 LT 61

PROJECT NO.: 13-2123-0004

POORLY GRADED SAND (SP

POORLY

GRADED SAND with

SILT (SP-SM)

STRATA SYMBOLS

GRAVEL (GP)

**TOPSOIL** 

LEAN CLAY (CL)

CLAYEY SAND (SC)

WELL GRADED SAND WITH SILT AND GRAVEL (SW-SM)

SILTY CLAY (CL-ML)

CLAYEY SILTY SAND (SC-SM)

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel DRILL RIG: CME 550X

DATE DRILLED: 5-16-13

SOIL DESCRIPTION

Medium dense, medium to fine grained,

brown, with trace gravel

Medium dense

Boring Coordinates N 250102.99 E 1797972.68

Boring Terminated at 90.0 ft.

This Record of Test Boring is part of the project Geotechnical Report. Actual strata changes may be gradual over depth.

T - Shelby Tube Sample

Rock Core Sample

Ground Water, ATD

S - SPT Sample

HSA - Hollow Stem Auger

24 Hr./Delayed Ground Water

GROUND ELEVATION: +15.2 ft.

₹ GR. WATER DEPTH: 9.0 ft.

₹24 HR. GR. WATER DEPTH: N.O.

**RECORD OF TEST BORING** 

DRILLER: ALDOT - Dingler

HAMMER TYPE: Automatic

AASHTO (GI)

WC

NP

NP 5.4

N or REC/

ROD

20

35

20

25

SSA - Solid Stem Auger

MR - Mud Rotary

NO - Not Obtained

NE - Not Encountered

Recovery

pp - Pocket Penetrometer

Rock Quality Designation

S-14

S-15

S-17

DRILLING METHOD: 2 1/4" HSA

thompson

BORING NO.: BR-14

CLIENT: ALDOT

DEPTH ELEV.

200

STATION: STA 152+70 RT 31

PROJECT NO.: 13-2123-0004

SANDY SILT (ML)

CLAYEY SAND (SC)

SILTY SAND (SM)

SANDY

SILTY (ML)

with trace gravel

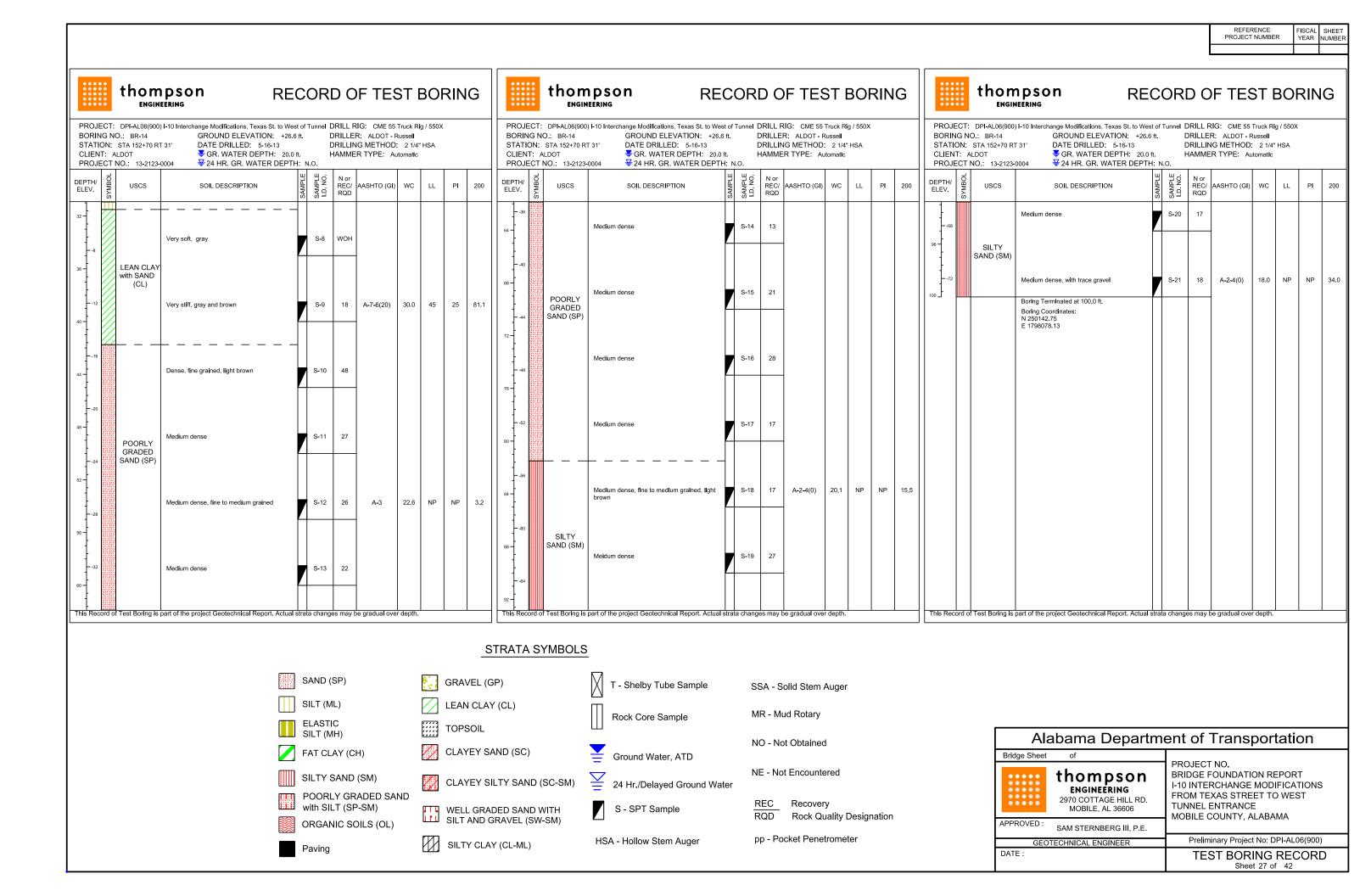
Very loose

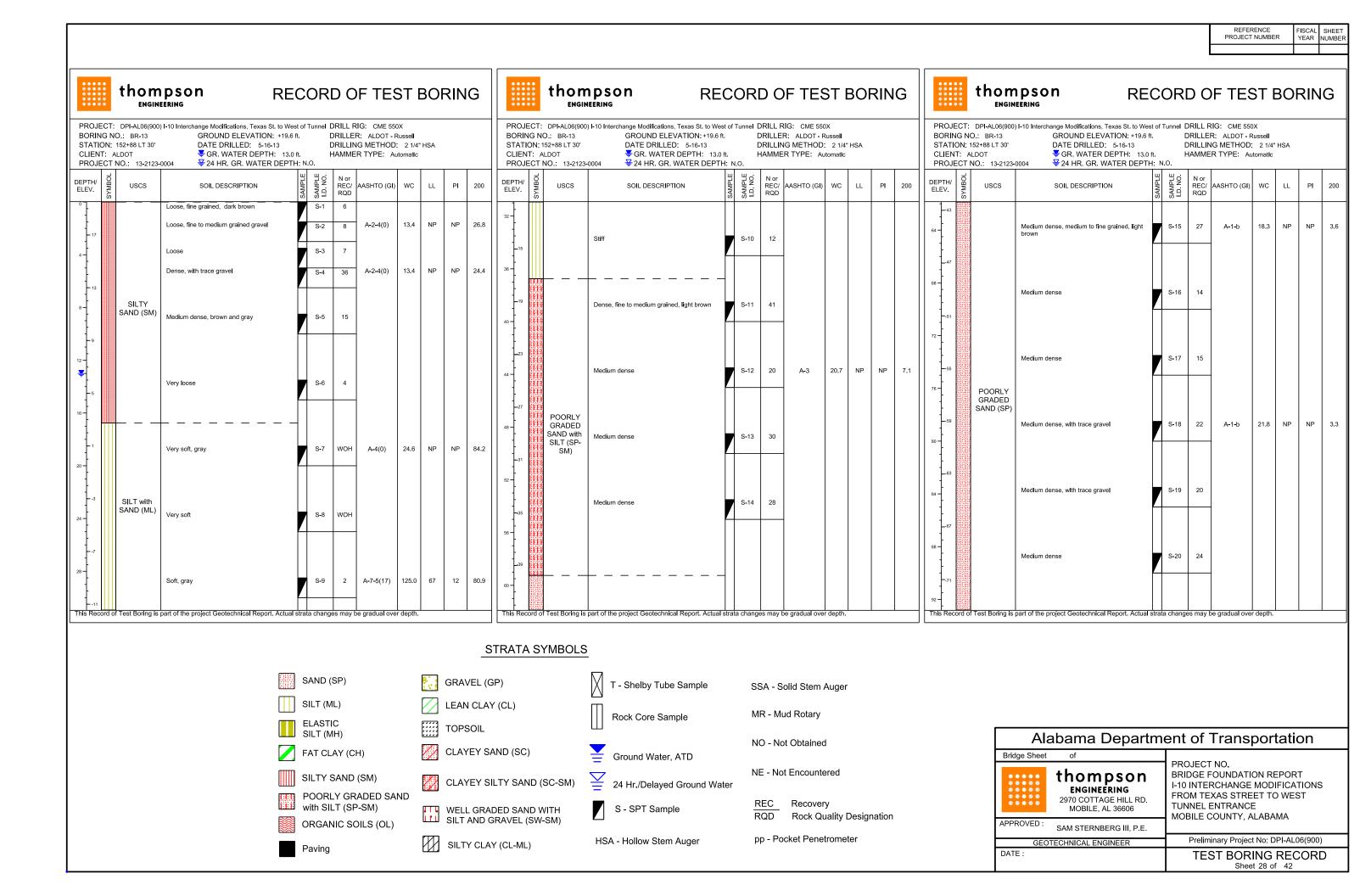
Very soft, gray

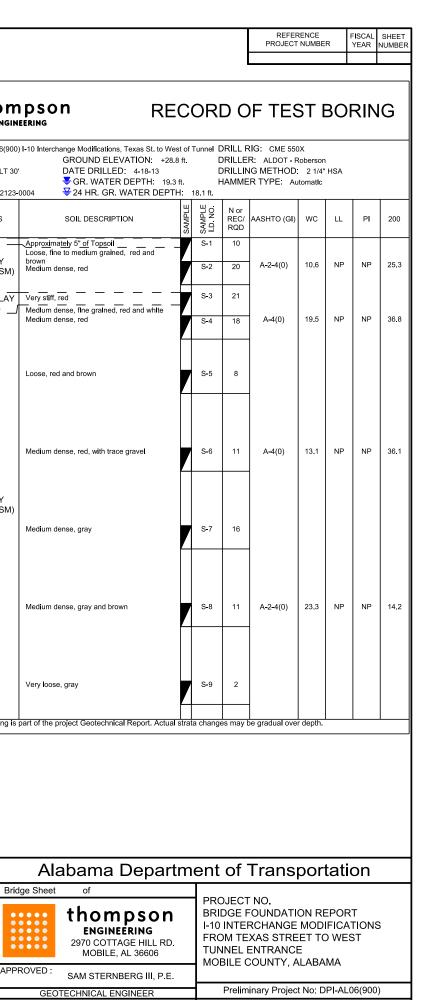
Bridge Sheet

APPROVED:

DATE:

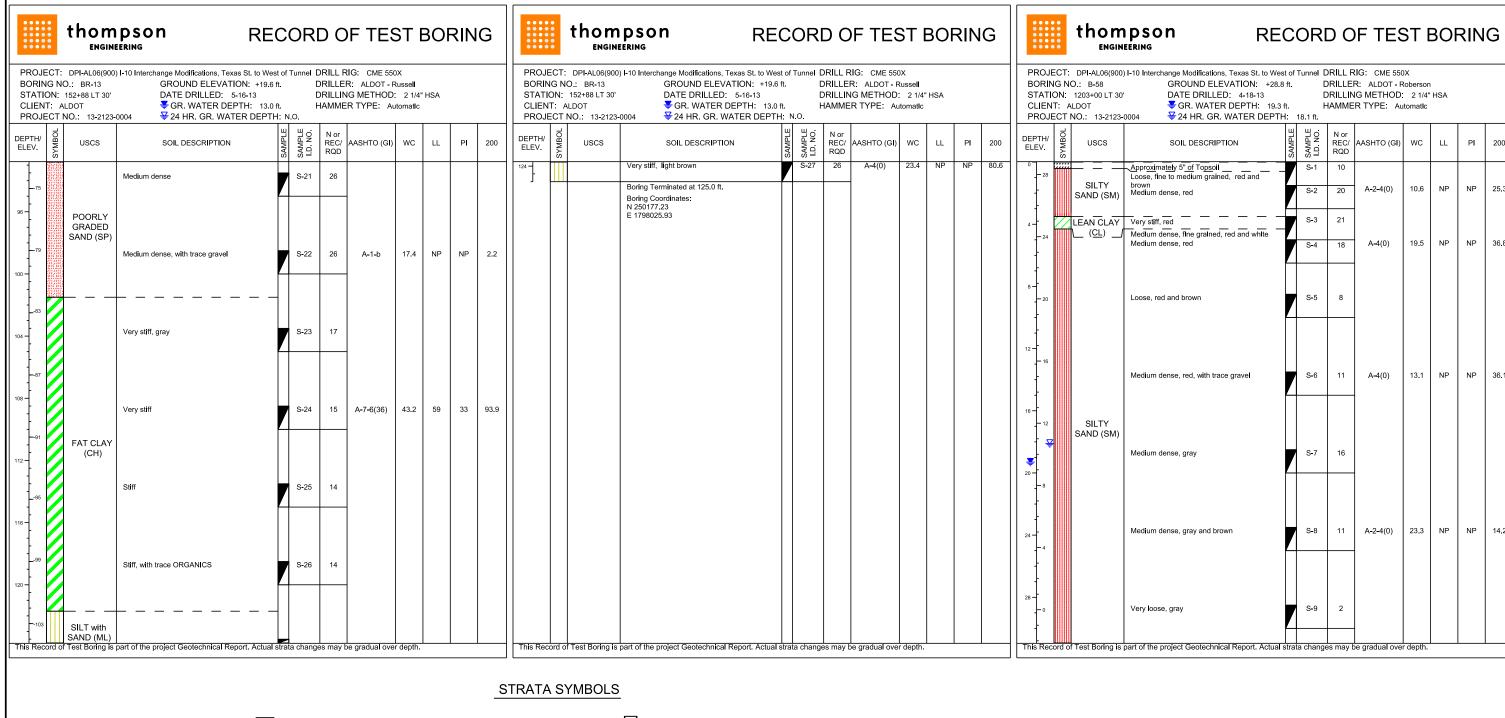


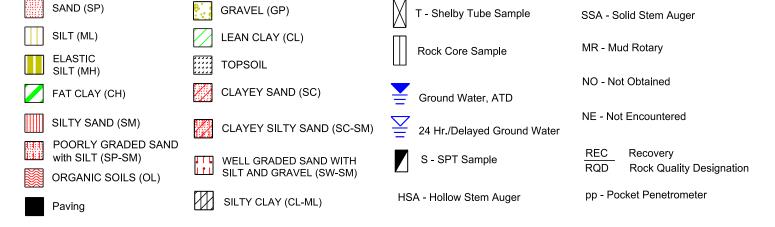


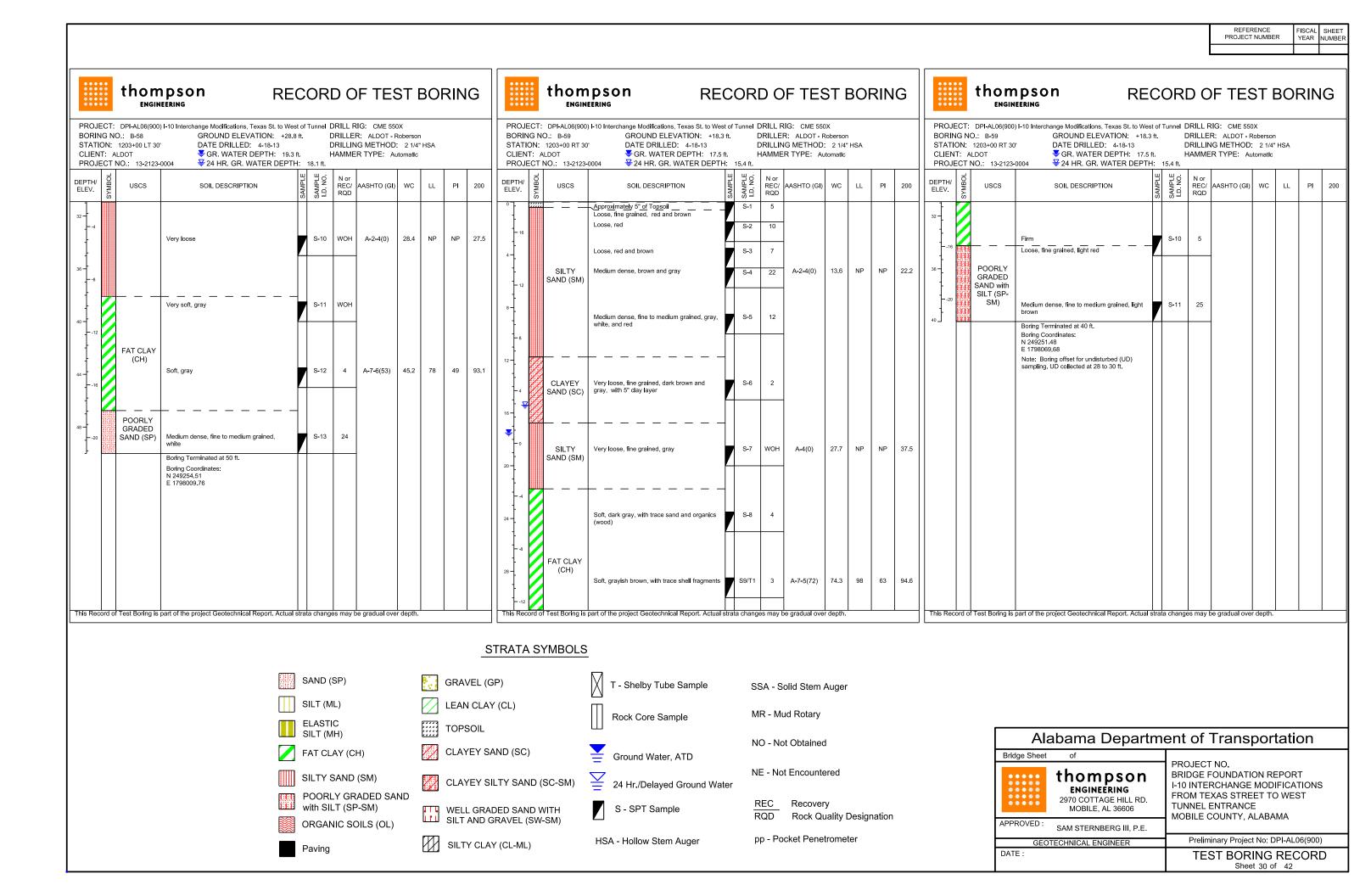


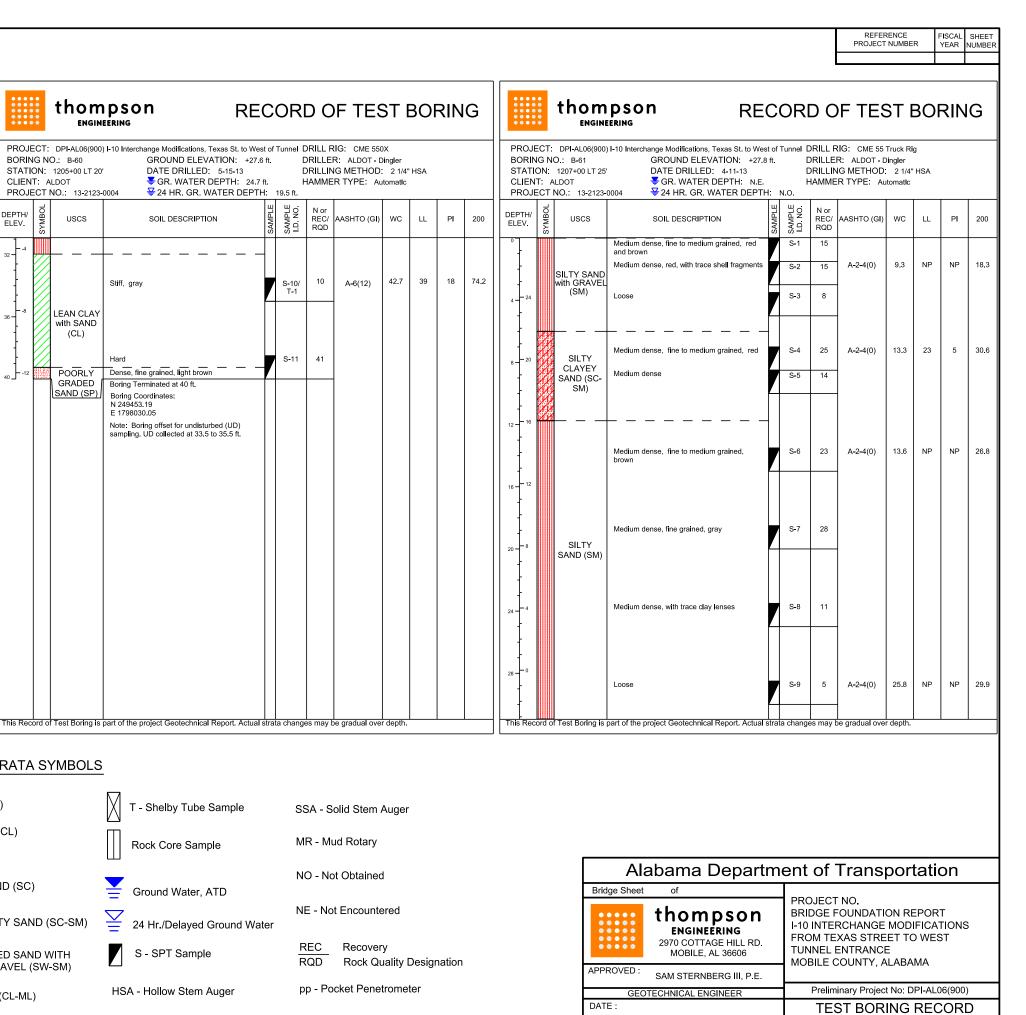
**TEST BORING RECORD** 

DATE:









# STRATA SYMBOLS

thompson

BORING NO B-60

CLIENT: ALDOT

ELEV.

STATION: 1205+00 LT 20'

PROJECT NO.: 13-2123-0004

SII TY

SAND (SM)

CLAYEY

SAND (SC)

SAND (SM)

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel DRILL RIG: CME 550X

DATE DRILLED: 5-15-13

SOIL DESCRIPTION

Medium dense, fine to medium grained, red

Approximately 8" of Topsoil

brown Medlum dense, red

and gray

Medium dense

Medium dense

Very loose

Very loose, fine grained, gray

This Record of Test Boring is part of the project Geotechnical Report. Actual strata changes may be gradual over depth.

GROUND ELEVATION: +27.6 ft.

GR. WATER DEPTH: 24.7 ft.

¥24 HR. GR. WATER DEPTH: 19.5 ft.

RECORD OF TEST BORING

DRILLER: ALDOT - Dingler

HAMMER TYPE: Automatic

REC/ AASHTO (GI)

A-4(0)

A-2-4(0)

20

27

27

SAMPLE I.D. NO

DRILLING METHOD: 2 1/4" HSA

16.9

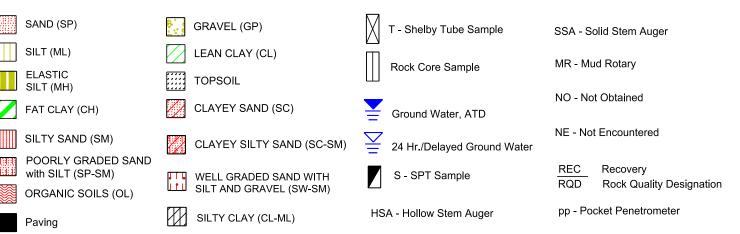
14.5 NP

27.1

A-2-4(0)

NP NP 29.9

23



thompson

Stiff, gray

Dense, fine grained, light brown

Note: Boring offset for undisturbed (UD) sampling. UD collected at 33.5 to 35.5 ft.

Boring Terminated at 40 ft.

Boring Coordinates

GROUND ELEVATION: +27.6 ft.

₹GR. WATER DEPTH: 24.7 ft.

¥24 HR. GR. WATER DEPTH: 19.5 ft.

SAMPLE I.D. NO.

S-10/ T-1

S-11

DATE DRILLED: 5-15-13

SOIL DESCRIPTION

BORING NO B-60

CLIENT: ALDOT

DEPTH

38.0

19.7

10

NP

STATION: 1205+00 LT 20

PROJECT NO.: 13-2123-0004

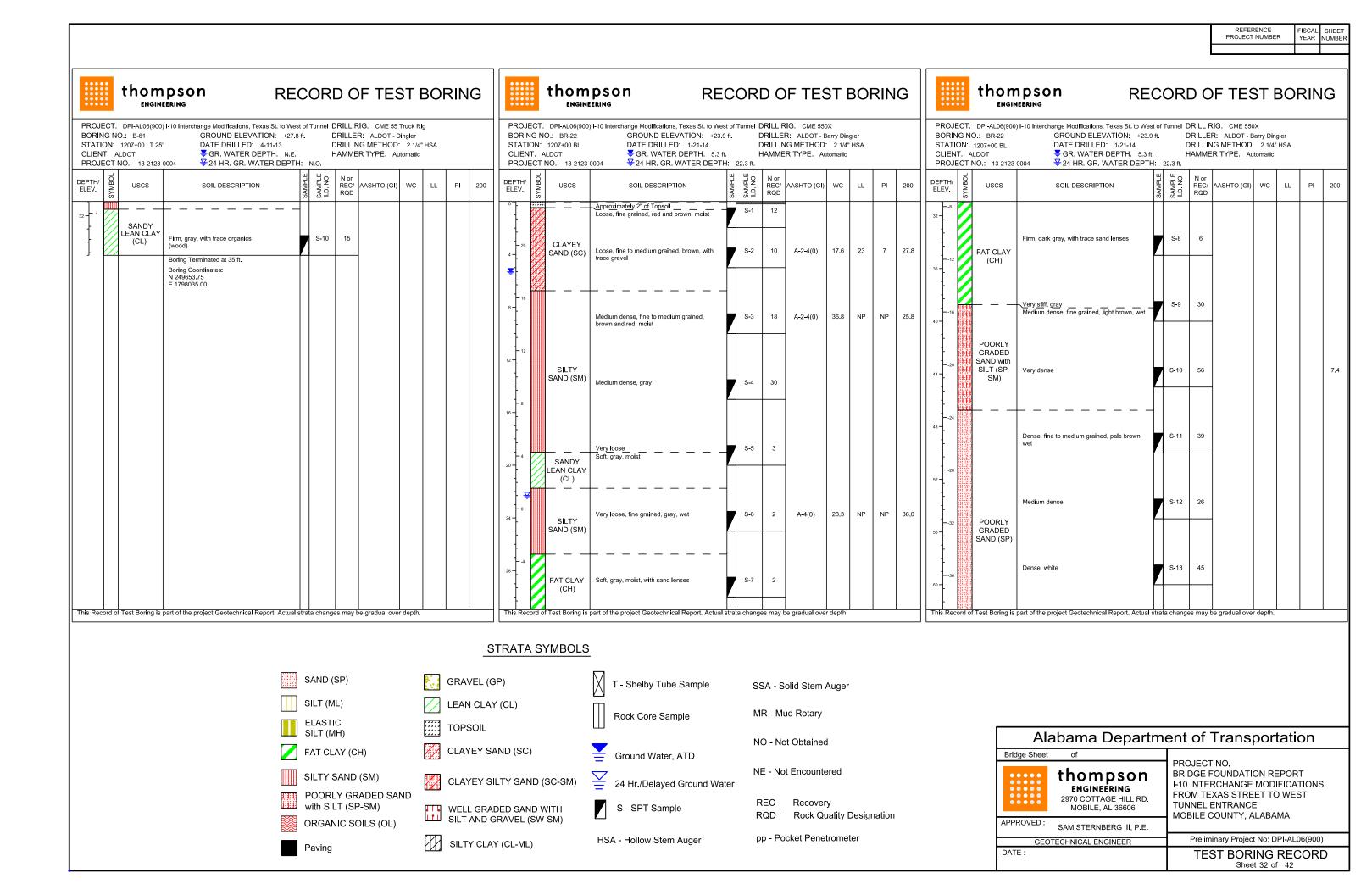
LEAN CLAY

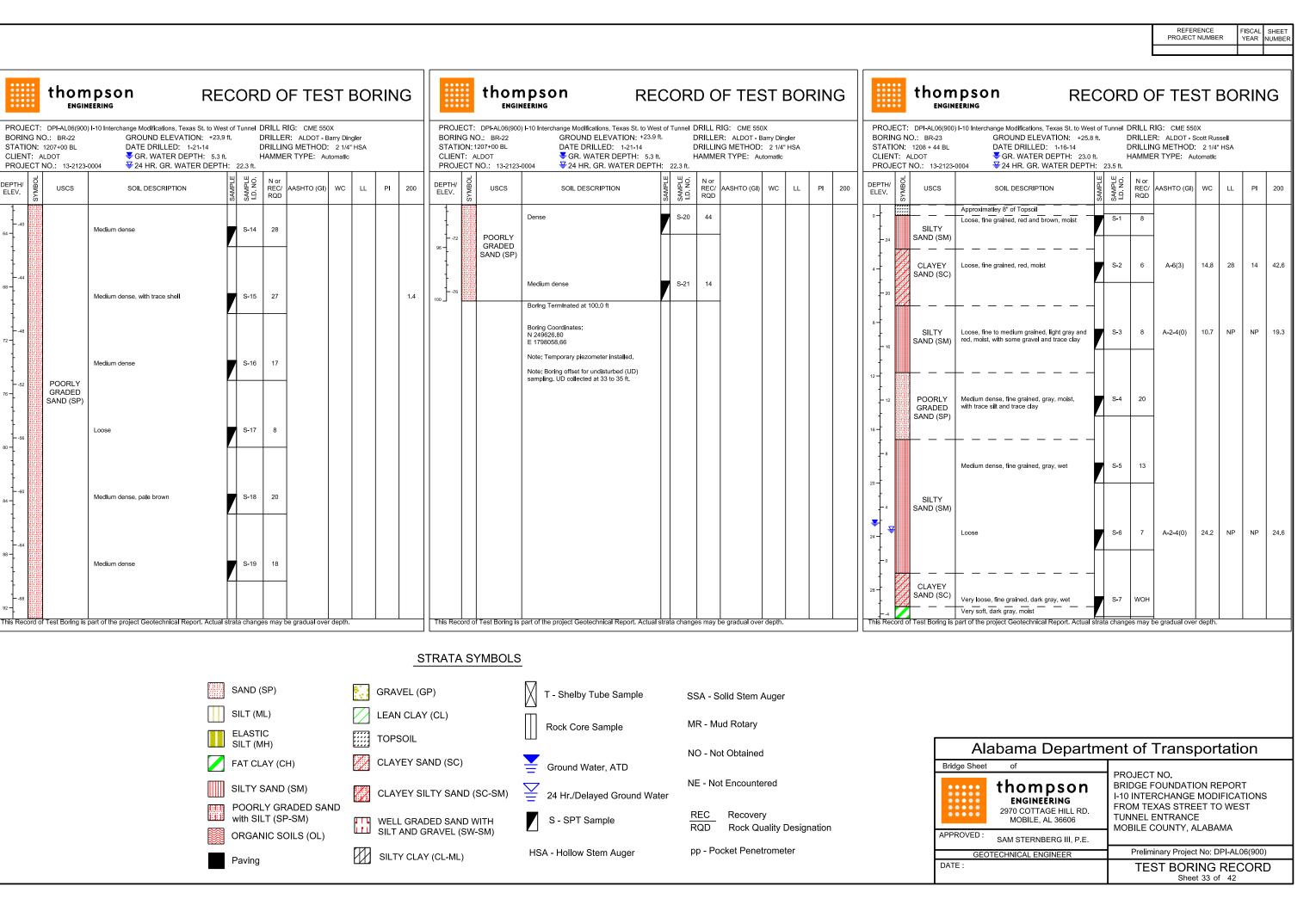
with SAND

(CL)

GRADED

SAND (SP)





BORING NO BR-22

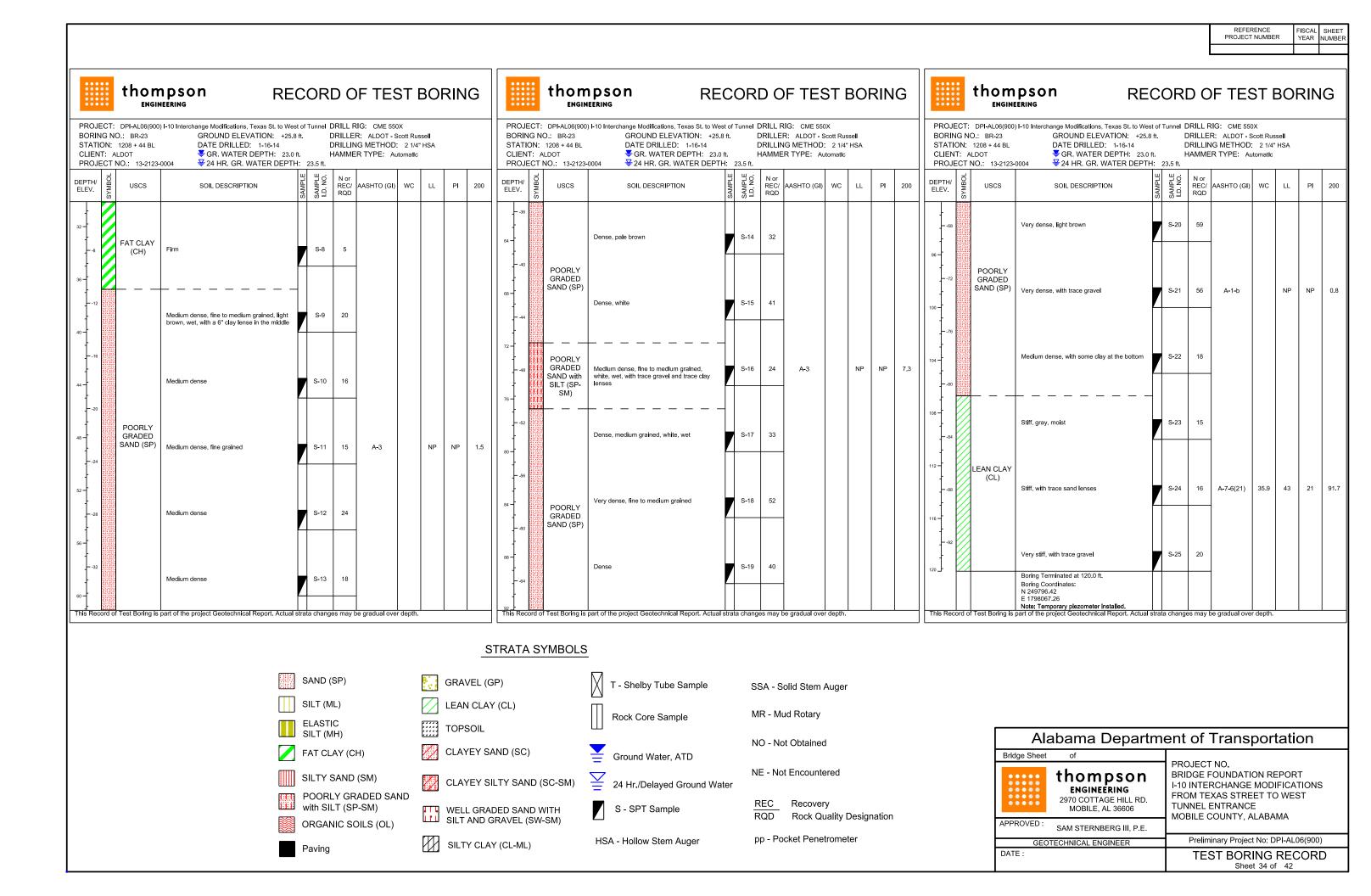
STATION: 1207+00 BL

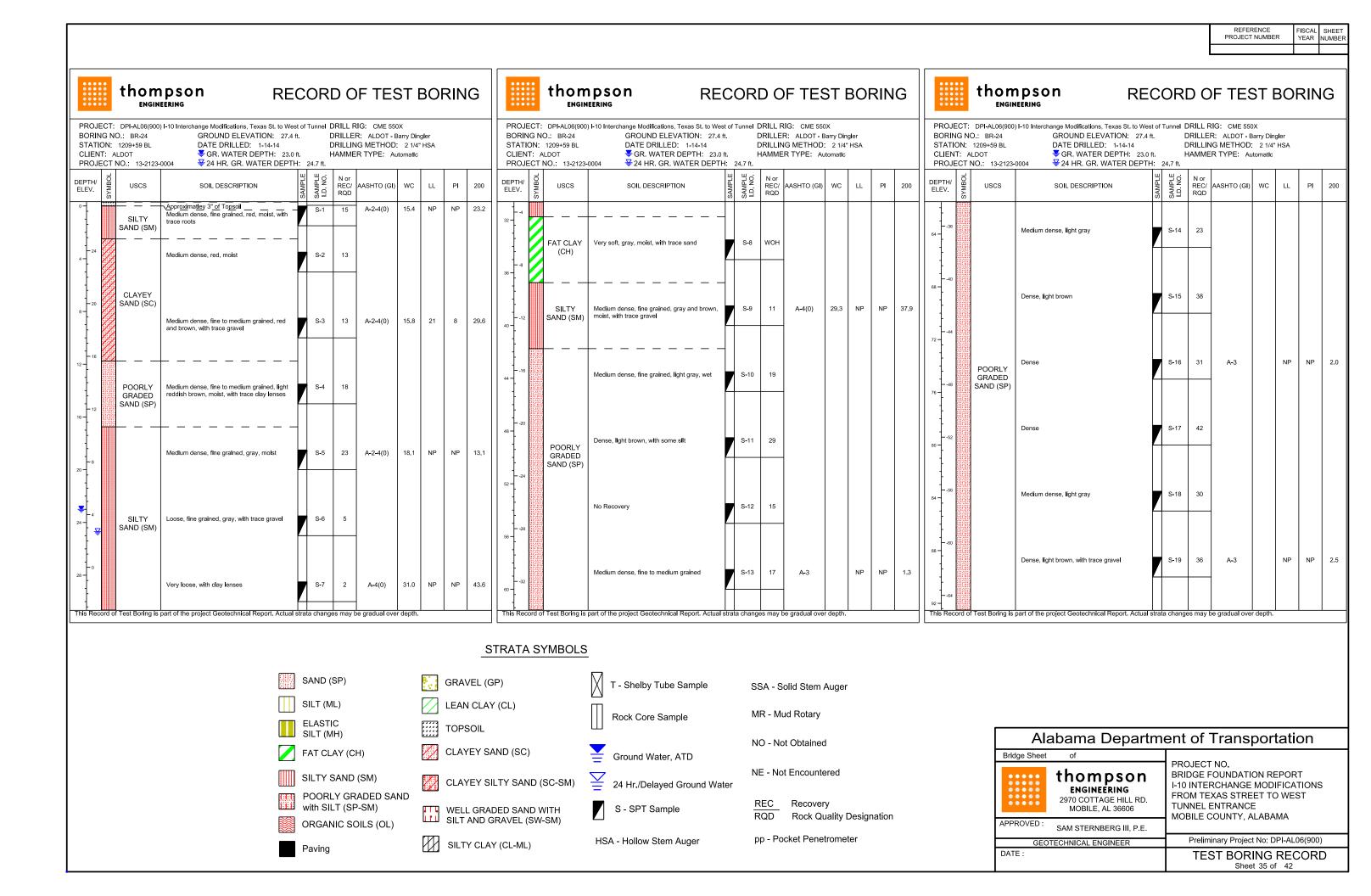
PROJECT NO.: 13-2123-0004

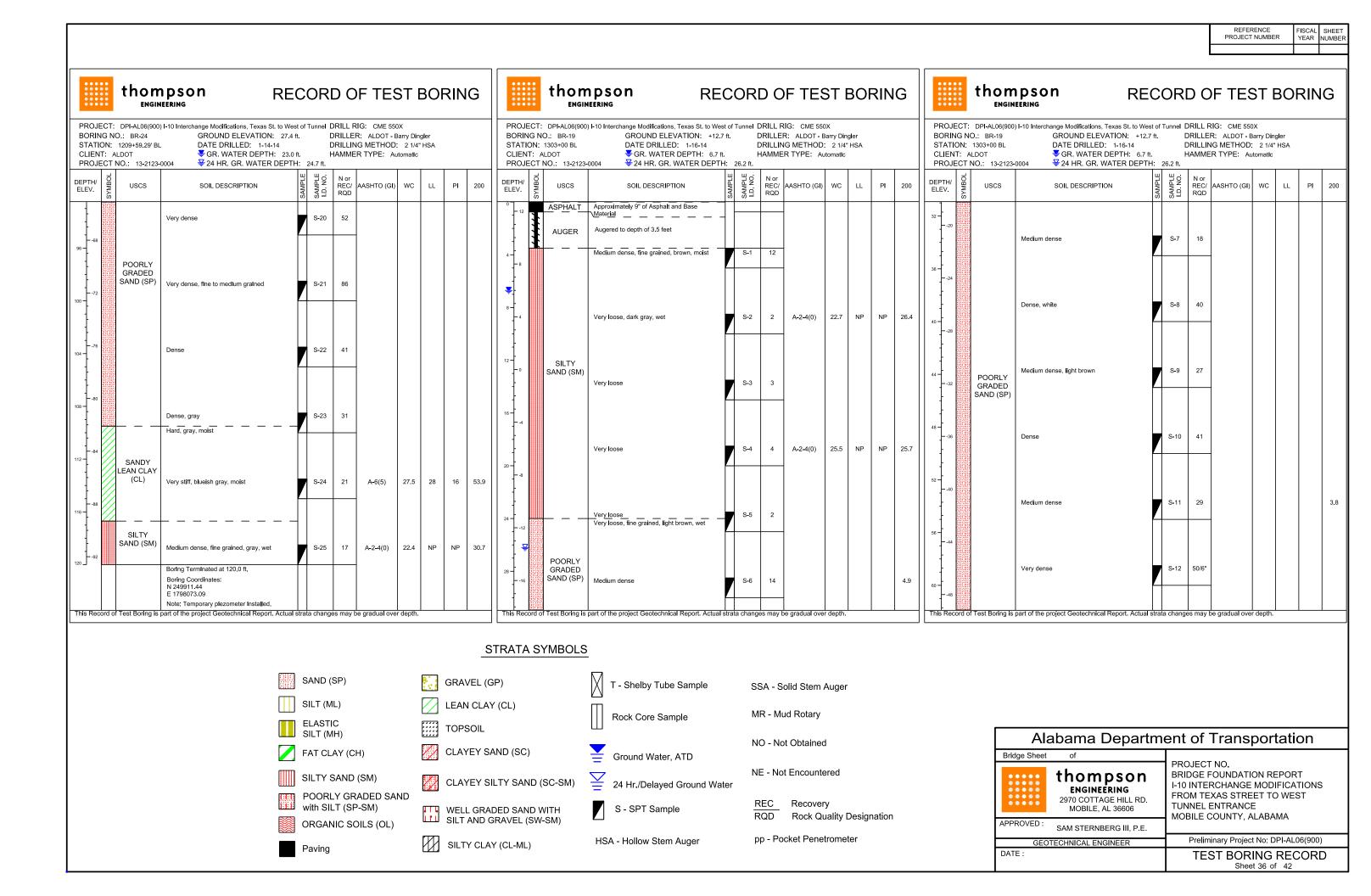
POORI Y GRADED SAND (SP)

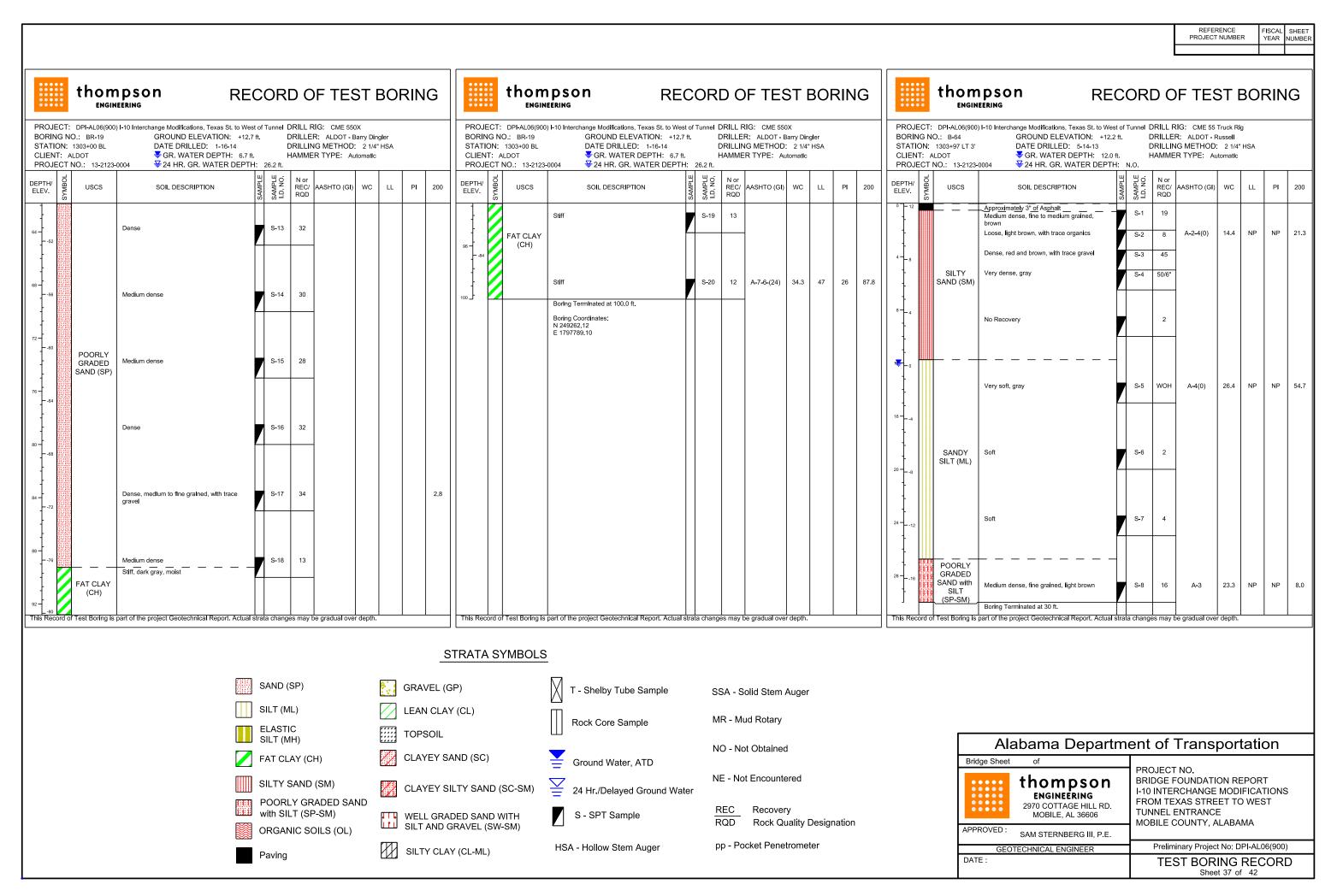
Loose

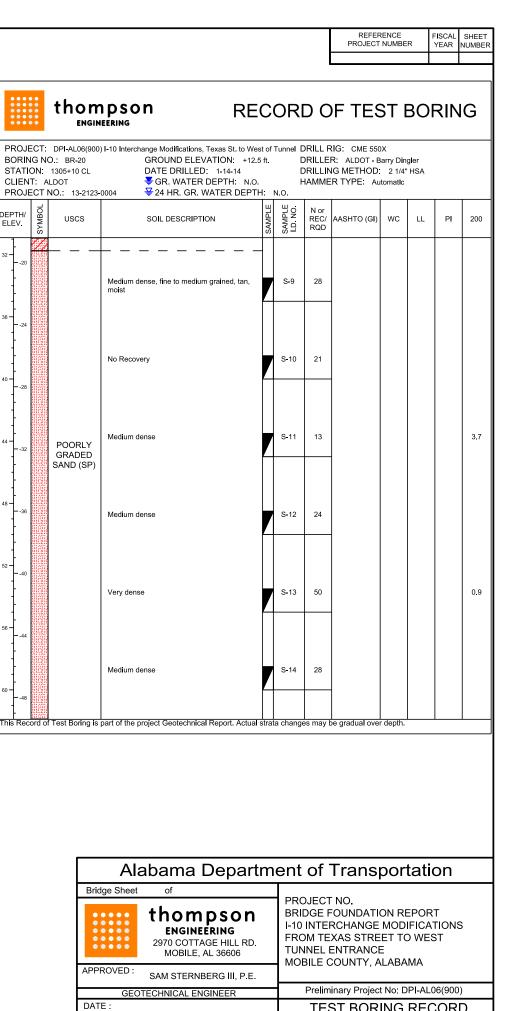
CLIENT: ALDOT



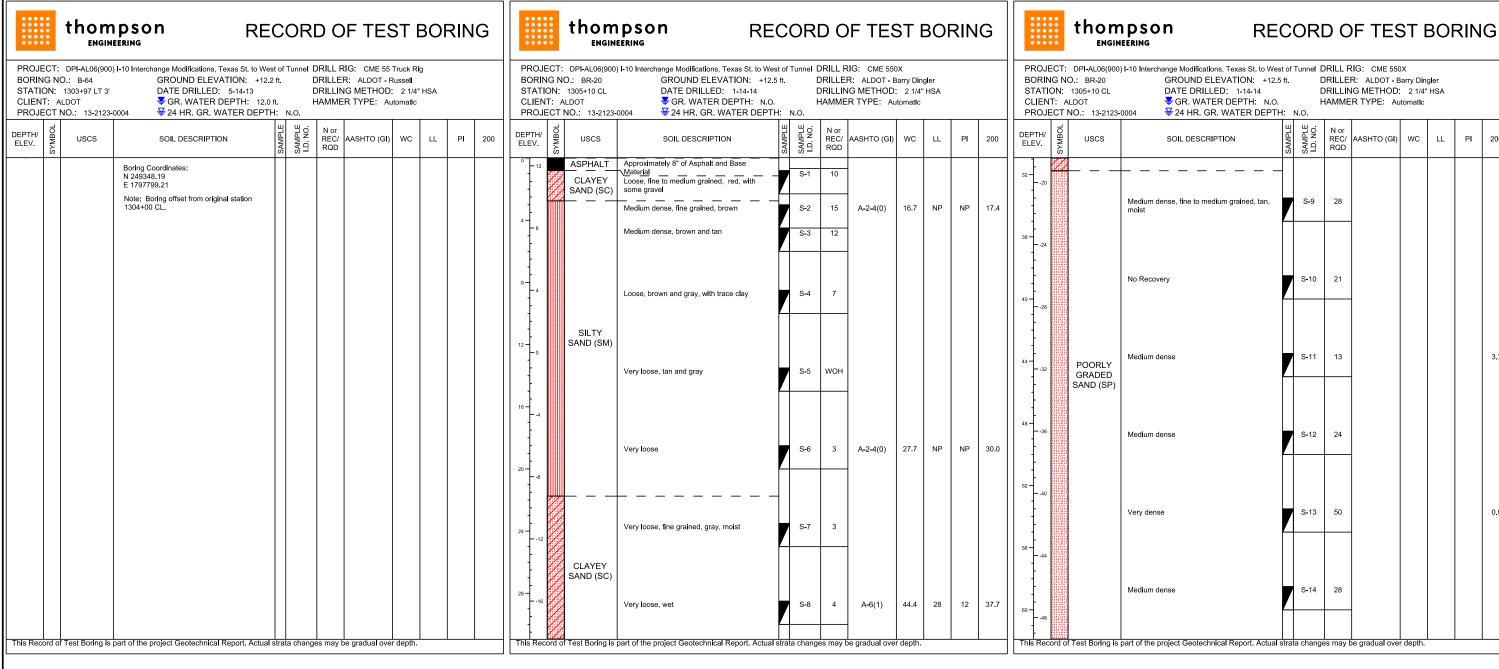




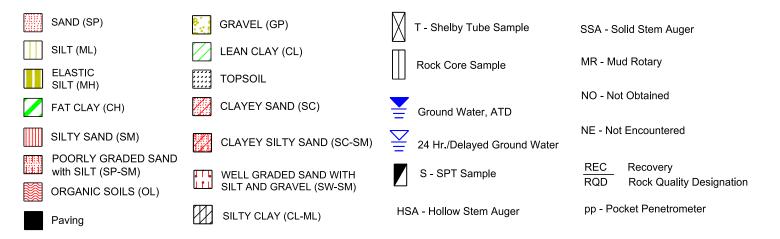


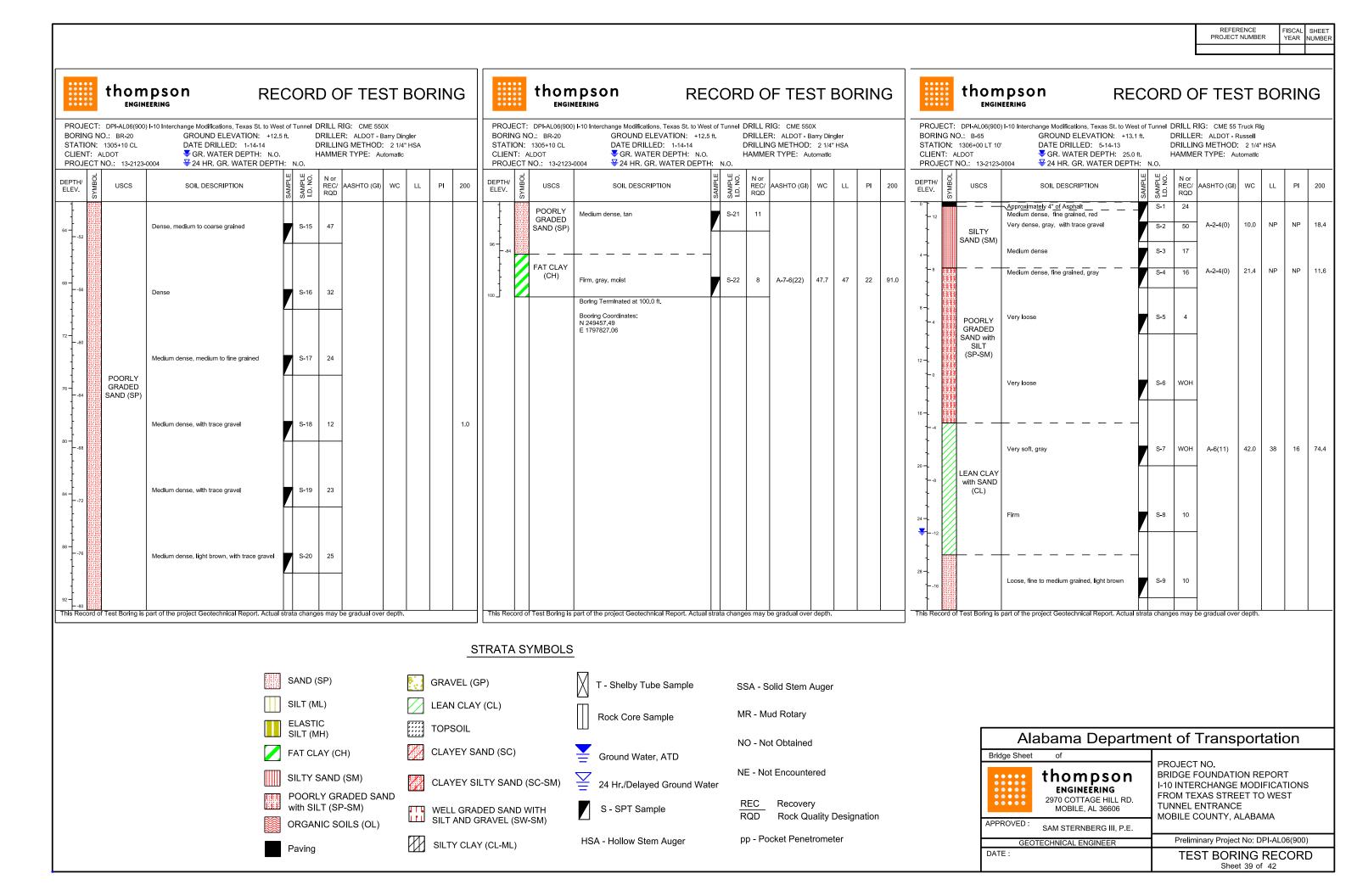


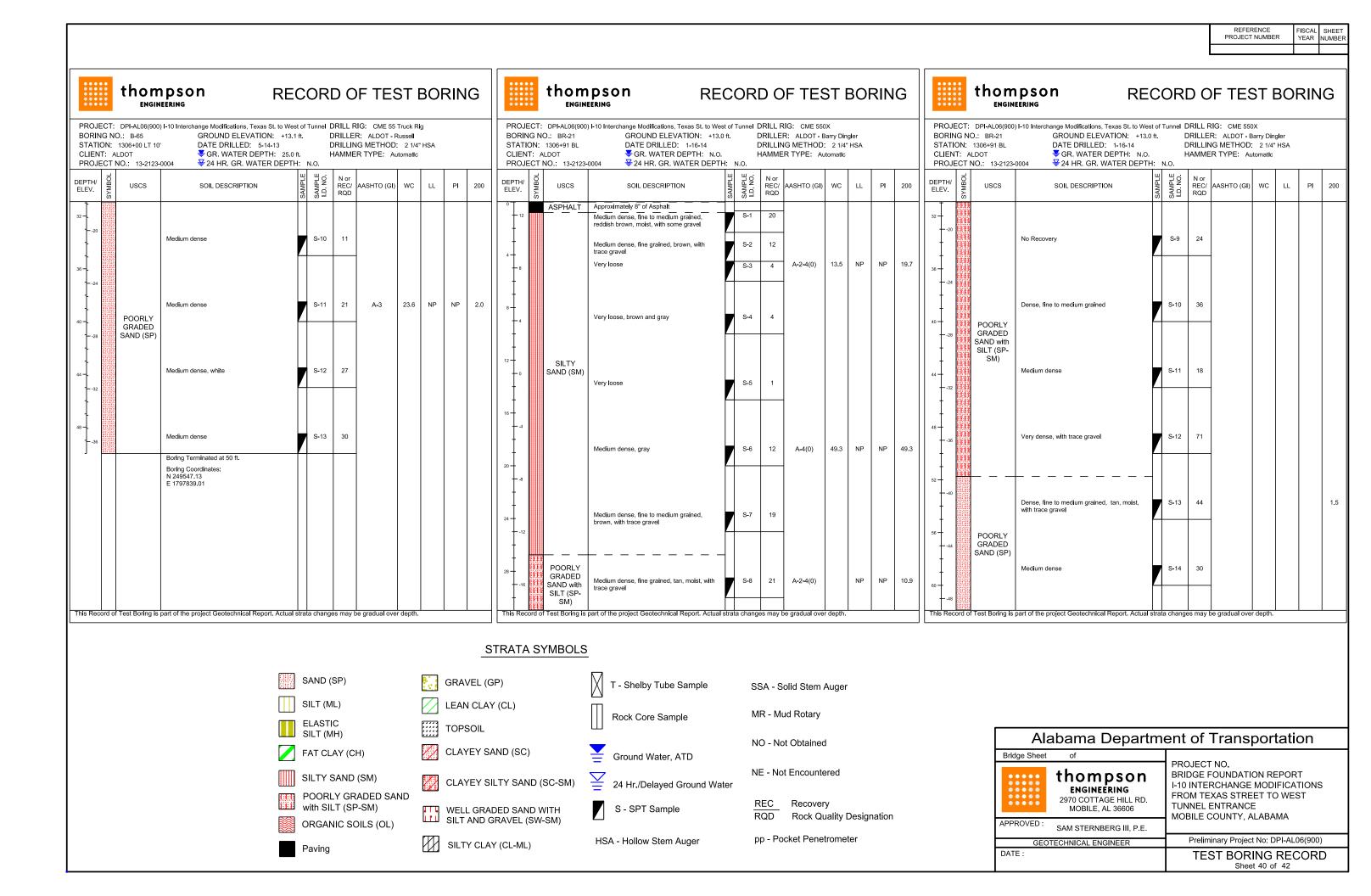
**TEST BORING RECORD** Sheet 38 of 42

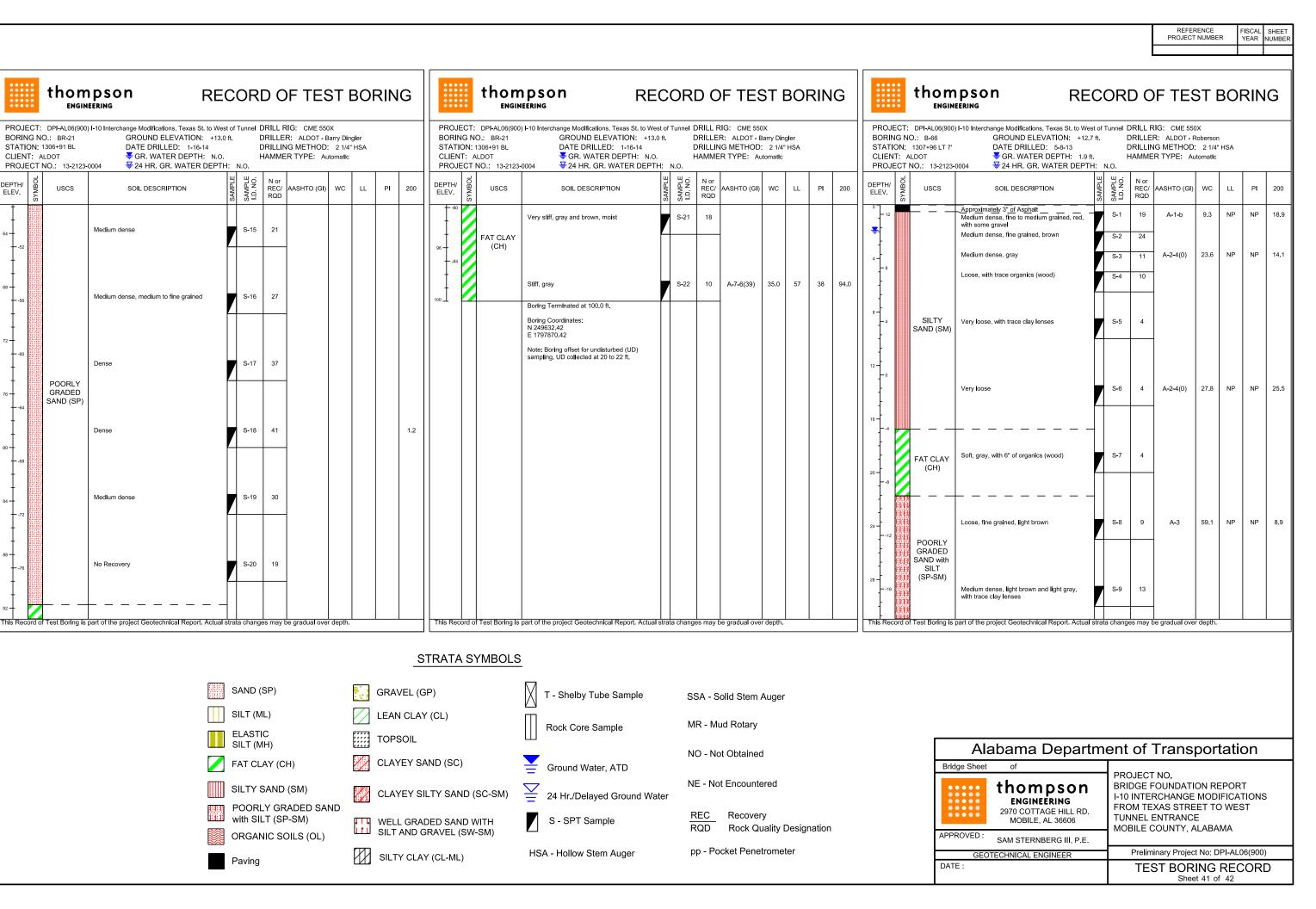


### STRATA SYMBOLS









Medium dense

Medlum dense

No Recovery

BORING NO BR-21

STATION: 1306+91 BL

PROJECT NO.: 13-2123-0004

POORI Y

GRADED SAND (SP)

CLIENT: ALDOT

