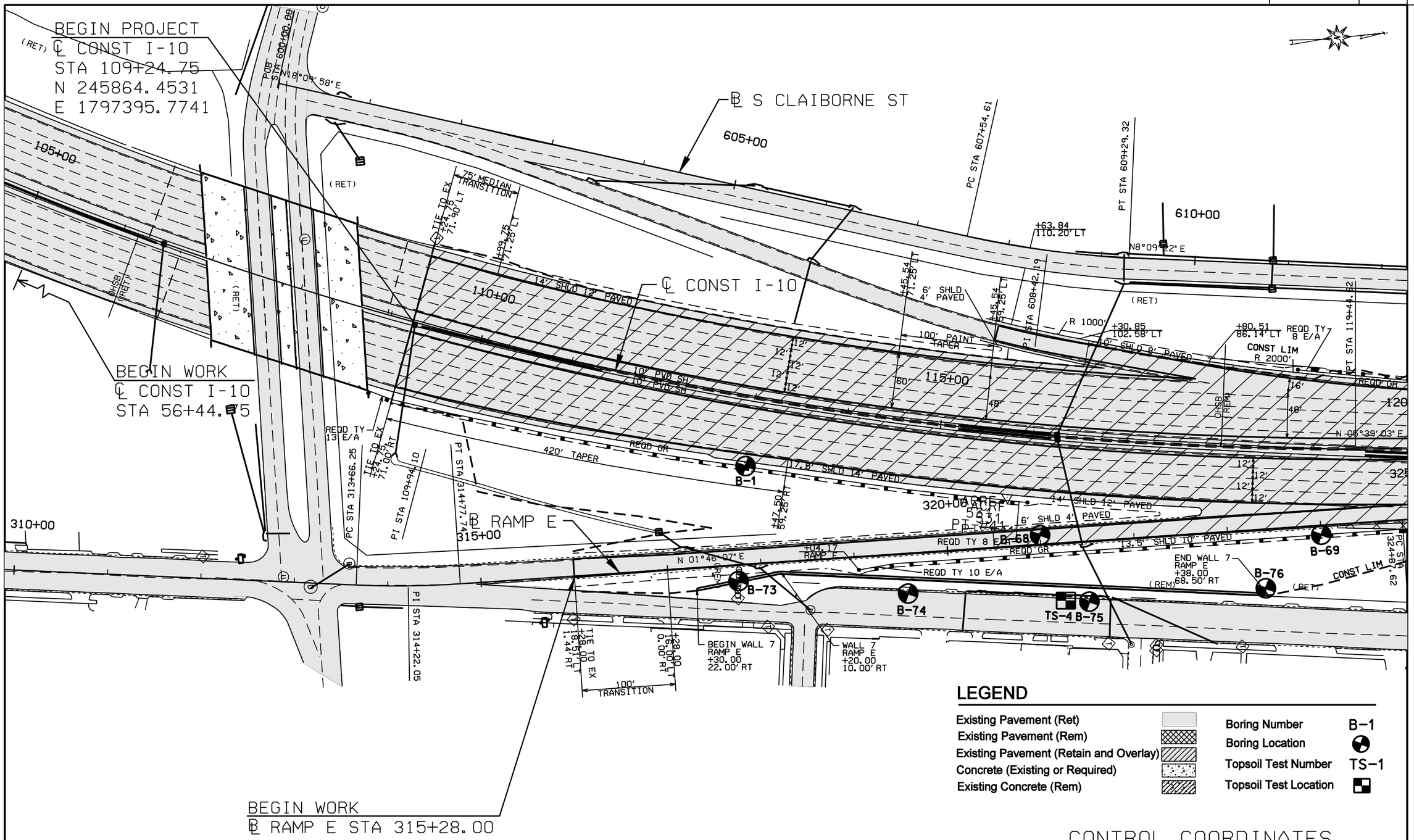
PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
DPI-AL06(900)	2014	4



LEGEND

Existing Pavement (Ret)		Boring Number	B-1
Existing Pavement (Rem)		Boring Location	
Existing Pavement (Retain and Overlay)		Topsoil Test Number	TS-1
Concrete (Existing or Required)		Topsoil Test Location	
Existing Concrete (Rem)			

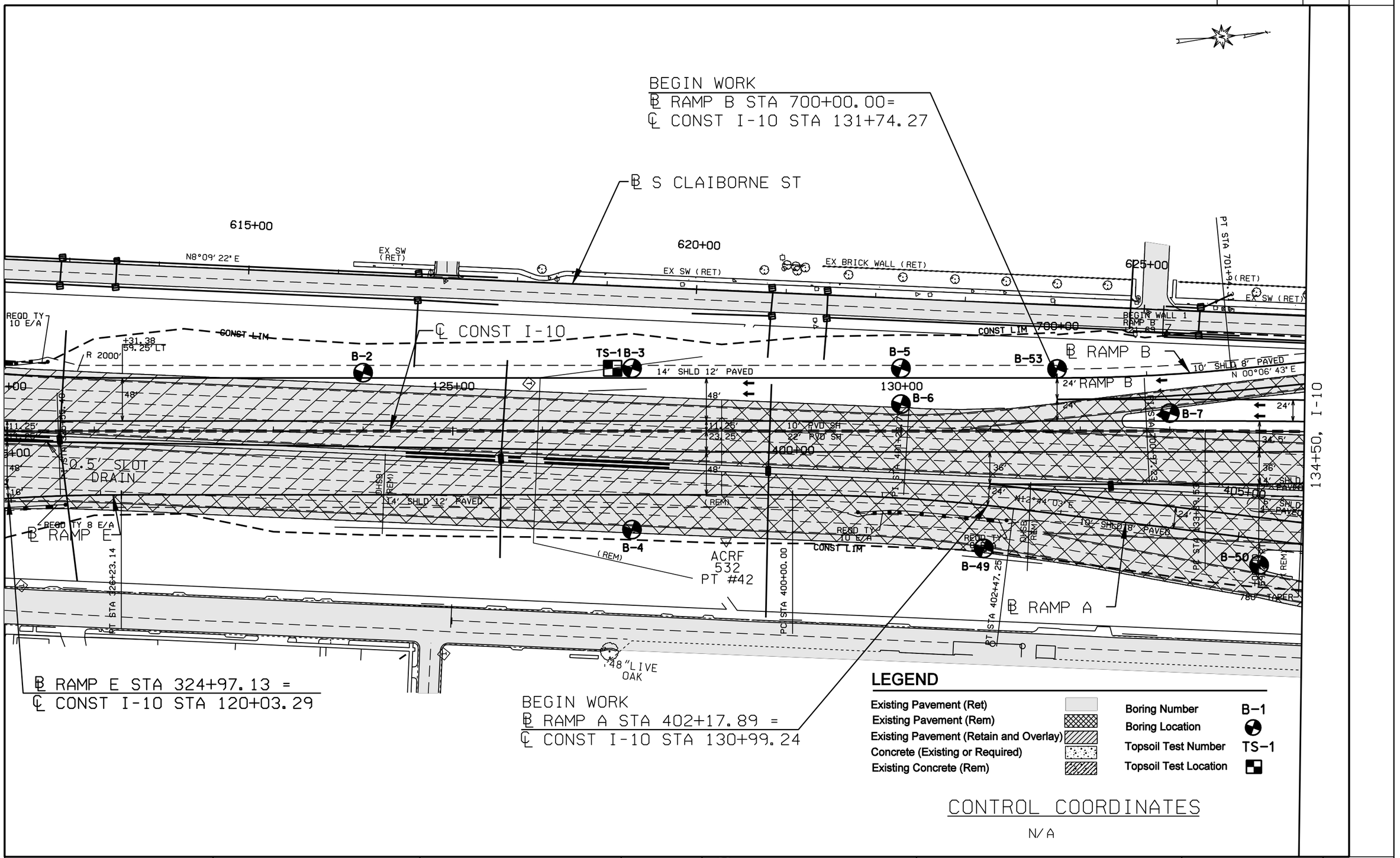
CONTROL COORDINATES

N/A

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 50 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLAN SHEET	I-10

PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
DPI-AL06(900)	2014	5



LEGEND

Existing Pavement (Ret)	Boring Number B-1
Existing Pavement (Rem)	Boring Location
Existing Pavement (Retain and Overlay)	Topsoil Test Number TS-1
Concrete (Existing or Required)	Topsoil Test Location
Existing Concrete (Rem)	

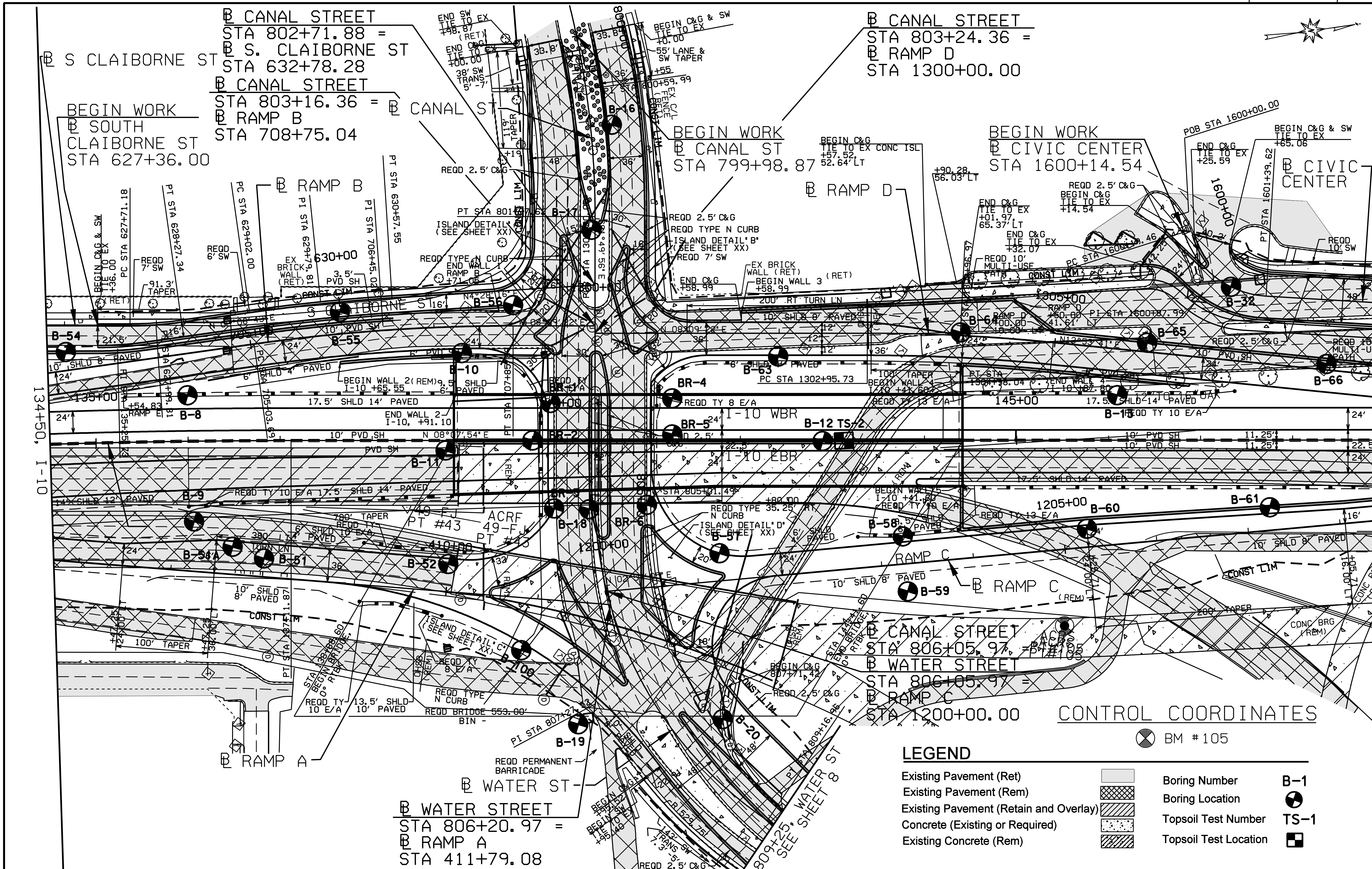
CONTROL COORDINATES

N/A

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 50 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLAN SHEET	I-10

PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
DPI-AL06(900)	2014	6



℄ CANAL STREET STA 802+71.88 = ℄ S. CLAIBORNE ST STA 632+78.28
℄ CANAL STREET STA 803+16.36 = ℄ RAMP B STA 708+75.04
℄ S CLAIBORNE ST
BEGIN WORK ℄ SOUTH CLAIBORNE ST STA 627+36.00
℄ CANAL ST
℄ CANAL STREET STA 803+24.36 = ℄ RAMP D STA 1300+00.00
BEGIN WORK ℄ CANAL ST STA 799+98.87
℄ RAMP D
BEGIN WORK ℄ CIVIC CENTER STA 1600+14.54
℄ CIVIC CENTER
POB STA 1600+00.00
℄ RAMP B
134+50, I-10
149+00, I-10
I-10 WBR
I-10 EBR
℄ RAMP C
℄ CANAL STREET STA 806+05.97 = ℄ WATER STREET STA 806+05.97 = ℄ RAMP C STA 1200+00.00
℄ RAMP A
℄ WATER ST
℄ WATER STREET STA 806+20.97 = ℄ RAMP A STA 411+79.08
809+25, WATER ST SEE SHEET 8
CONTROL COORDINATES
BM #105
LEGEND
Existing Pavement (Ret)
Existing Pavement (Rem)
Existing Pavement (Retain and Overlay)
Concrete (Existing or Required)
Existing Concrete (Rem)
Boring Number B-1
Boring Location
Topsoil Test Number TS-1
Topsoil Test Location

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ SCALE (FEET) 50 0 50	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLAN SHEET	I-10

PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
DPI-AL06(900)	2014	7

℄ CIVIC CENTER
STA 1606+23.68 =
℄ CLAIBORNE ST EXT
STA 1700+00.00

℄ CLAIBORNE ST

BEGIN WORK
℄ CLAIBORNE ST
STA 1501+00.00

℄ JACKSON ST

BEGIN WORK
℄ JACKSON ST
STA 1801+70.00

BEGIN WORK
℄ JOACHIM ST
STA 1900+98.20

℄ JOACHIM ST
STA 1901+91.50 =
℄ PARKING LOT
STA 2303+00.00

℄ CONCEPTION ST
STA 2200+00.00 =
℄ JOACHIM ST
STA 1902+00.00

℄ CIVIC CENTER
STA 1605+99.94 =
℄ CLAIBORNE ST
STA 1504+00.00

℄ RAMP D
STA 1309+66.82 =
℄ CONST I-10
STA 150+06.28

℄ CIVIC CENTER

℄ RAMP D

℄ RAMP C
STA 1213+26.11 =
℄ CONST I-10
STA 153+90.01

℄ CIVIC CENTER
STA 1606+47.47 =
℄ JACKSON ST
STA 1804+00.00

℄ CLAIBORNE ST EXT

END PROJECT
℄ CONST I-10
STA 163+25.00
N 250907.8106
E 1798713.8746

END WORK
℄ CONST I-10
STA 250+00.00

1705+50, CLAIBORNE ST EXT SEE SHEET 8

LEGEND

Existing Pavement (Ret)		Boring Number	B-1
Existing Pavement (Rem)		Boring Location	
Existing Pavement (Retain and Overlay)		Topsoil Test Number	TS-1
Concrete (Existing or Required)		Topsoil Test Location	
Existing Concrete (Rem)			

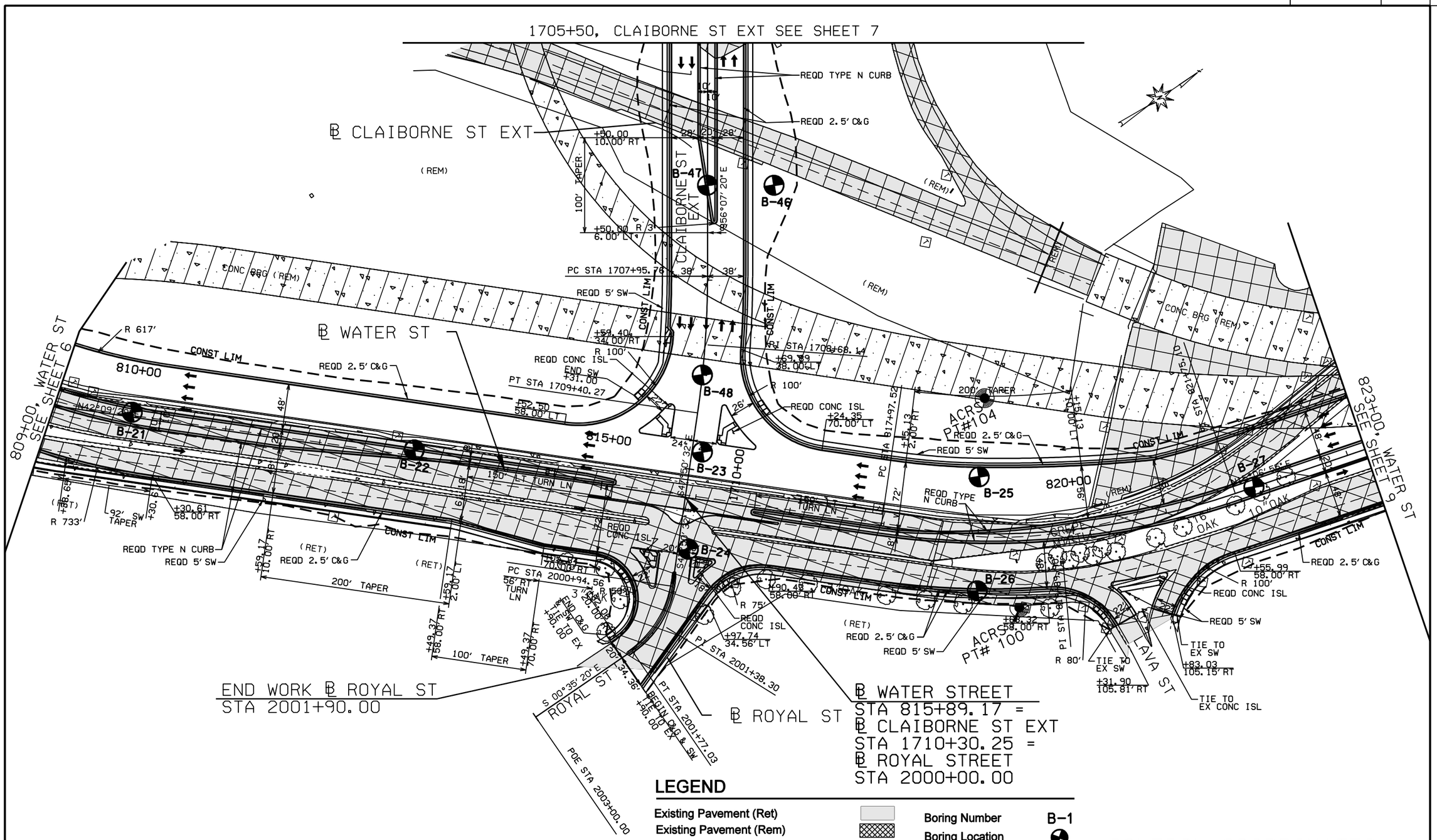
CONTROL COORDINATES

N/A

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 50 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLAN SHEET	I-10

PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
DPI-AL06(900)	2014	8



LEGEND

- Existing Pavement (Ret)
- Existing Pavement (Rem)
- Existing Pavement (Retain and Overlay)
- Concrete (Existing or Required)
- Existing Concrete (Rem)
- Boring Number B-1
- Boring Location
- Topsoil Test Number TS-1
- Topsoil Test Location

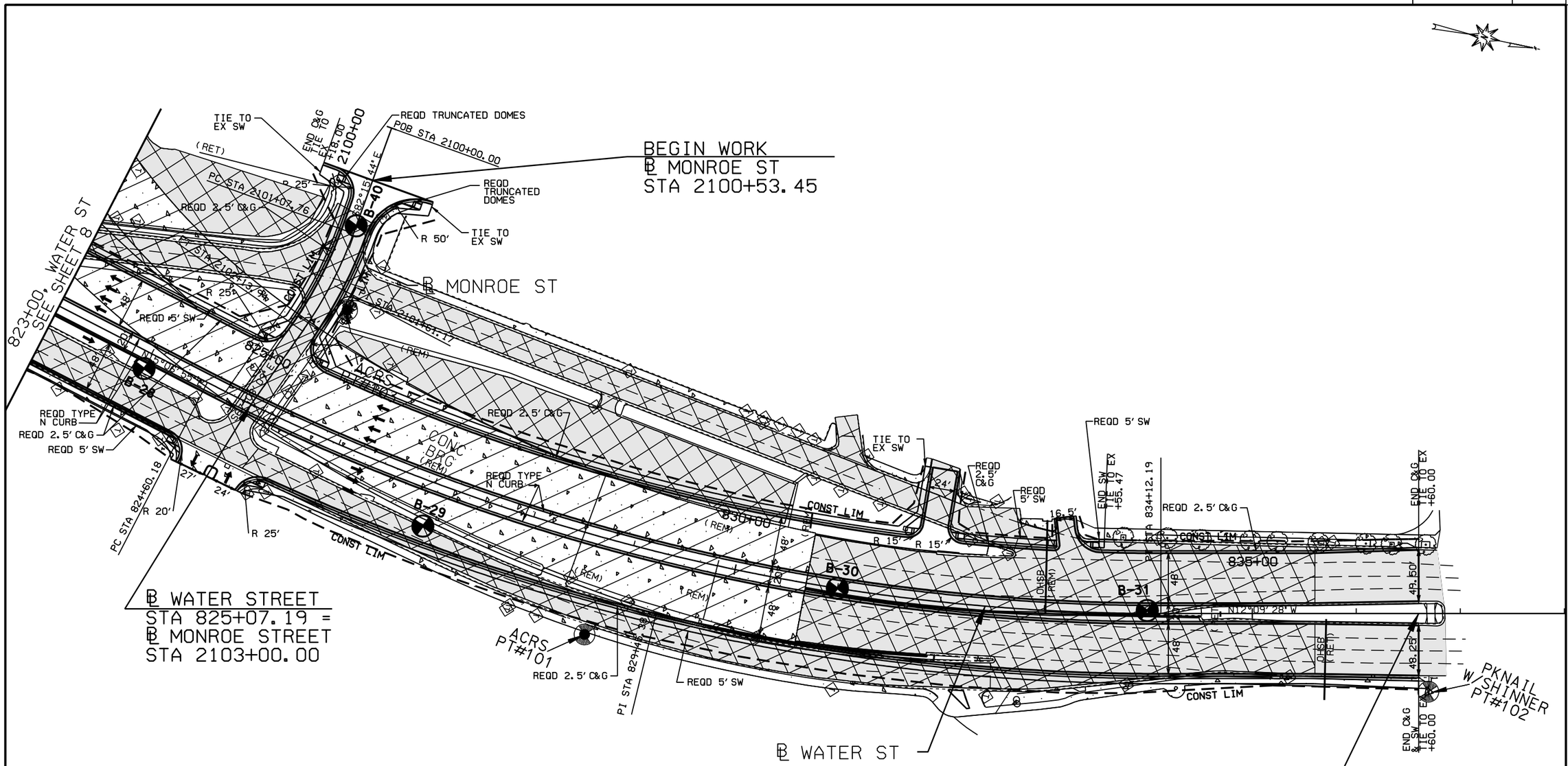
CONTROL COORDINATES

PT# 100
PT# 104

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 50 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLAN SHEET	I-10

PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
DPI-AL06(900)	2014	9



LEGEND

Existing Pavement (Ret)		Boring Number	B-1
Existing Pavement (Rem)		Boring Location	
Existing Pavement (Retain and Overlay)		Topsoil Test Number	TS-1
Concrete (Existing or Required)		Topsoil Test Location	
Existing Concrete (Rem)			

CONTROL COORDINATES

PT# 101
PT# 102
PT# 103

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 50 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLAN SHEET	I-10

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-1
STATION: 113+01 RT 74'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +36.0 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 35			Approximately 2" of Topsoil		S-1	18	A-2-4(0)	9.4	NP	NP	18.2
			SILTY SAND (SM), medium dense, fine to coarse grained, red, with shell fragments		S-2	16					
			Medium dense		S-3	21					
5 / 30		A-2-4	Medium dense		S-4	29	A-2-4(0)	8.2	NP	NP	16.1
			Medium dense		S-5	20					
10			Boring Terminated at 10 ft.								
			Note: Boring offset from orginal station 113+00 RT 70'.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-2
STATION: 124+00 LT 65'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +15.2 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 11.1 ft.
DELAY GR. WATER DEPTH: 11.2 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 15			Approximately 7" of Topsoil		S-1	14					
			SILTY SAND (SM), medium dense, fine grained, dark brown		S-2	19	A-2-4(0)	12.3	NP	NP	17.4
			Medium dense, brown								
			Medium dense, light gray		S-3	20					
5 / 10			Medium dense		S-4	23	A-2-4(0)	17.8	NP	NP	18.0
10 / 5		A-2-4	Very loose, gray		S-5	3					
15 / 0			Very loose		S-6	WOH					
			LEAN CLAY (CL), gray and brown, with trace organics		T-1						
20 / -5			SILTY, CLAYEY SAND (SC-SM), loose, fine grained, dark brown, with trace organics		S-7	5					
		A-4									
25 / -10			Loose, dark brown and light brown		S-8	10	A-4(0)	21.2	24	6	48.7
		A-3	POORLY GRADED SAND (SP), medium dense, fine grained, light brown		S-9	13					
30			Boring Terminated at 30 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 17 to 19 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-3
STATION: 127+00 LT 70'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.1 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 6.0 ft.
DELAY GR. WATER DEPTH: 7.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 10			Approximately 6" of Topsoil		S-1	12					
			SILTY SAND (SM), medium dense, fine grained, light brown		S-2	13	A-2-4(0)	14.1	NP	NP	19.9
			Medium dense								
			Medium dense, light gray		S-3	14					
5 / 5			Medium dense		S-4	12					
10 / 0		A-2-4	Very loose, gray		S-5	2					
15 / -5			Very loose		S-6	WOH	A-2-4(0)	29.5	NP	NP	29.6
			ELASTIC SILT (MH), soft, gray and brown, with trace organics		S-7	4	A-7-5(30)	89.1	61	22	99.0
20 / -10		A-7-5	CLAY (CH), gray and light brown, with trace organics		T-1						
			Very stiff, gray and brown		S-8	16					
25		A-3	POORLY GRADED SAND (SP), medium dense, fine grained, light brown								
			Boring Terminated at 25 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 20 to 22 ft.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 1 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-4
STATION: 127+00 RT 118'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +17.6 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Lockhart
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE:

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 1" of Topsoil		S-1	11		11.0			23.1
15			SILTY SAND (SM), medium dense, fine to coarse grained, red		S-2	11					
			Medium dense, fine to coarse grained								
			Loose		S-3	8					
5		A-2-4	Medium dense		S-4	16	A-2-4(0)	7.7	NP	NP	15.2
10			Medium dense, light brown		S-5	11					
			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 127+00 RT 110'.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-5
STATION: 130+00 LT 70'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.5 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 2.0 ft.
DELAY GR. WATER DEPTH: 7.6 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 5" of Topsoil		S-1	6					
10			SILTY SAND (SM), loose, fine grained, brown, with trace gravel		S-2	12					
			Medium dense, light brown								
			Medium dense		S-3	14	A-2-4(0)	23.6	NP	NP	13.2
5		A-2-4	Loose, light gray		S-4	7					
-5											
10			Very loose, gray		S-5	WOH					
-0											
15			FAT CLAY with SAND (CH), soft, brown and gray, with trace organics		S-6	3	A-7-6(23)	130.3	54	26	79.6
-5		A-7-6	Greenish gray		T-1						
			Soft, brown and gray, with trace organics		S-7	3					
20			POORLY GRADED SAND (SP), very loose, fine grained, light brown								
-10		A-3									
			Medium dense		S-8	11					
25			Boring Terminated at 25 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 17.5 to 19.5 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-6
STATION: 130+00 LT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +20.1 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Topsoil		S-1	10					
20			SILTY SAND (SM), loose, fine to coarse grained, red		S-2	15	A-2-4(0)	8.2	NP	NP	20.5
			Medium dense								
			Medium dense		S-3	17					
5		A-2-4	Medium dense, fine grained, red and light brown		S-4	27	A-2-4(0)	10.0	NP	NP	15.7
15											
10			Medium dense, brown		S-5	21					
			Boring Terminated at 10 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation
Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-7
STATION: 133+00 LT 20'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +21.4 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 10" of Topsoil underlain by 2" of Concrete		S-1	10/4"					
20			SILTY SAND (SM), medium dense, fine to coarse grained, red		S-2	11	A-2-4(0)	10.0	NP	NP	23.8
			Medium dense, dark brown, with 6" of light brown clay		S-3	14					
5		A-2-4	Medium dense, red		S-4	26	A-2-4(0)	11.5	NP	NP	27.7
15											
10			Medium dense, red, dark brown, and light brown		S-5	18					
			Boring Terminated at 10 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-8
STATION: 136+00 LT 50'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +13.9 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 11.8 ft.
DELAY GR. WATER DEPTH: 8.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 5" of Topsoil		S-1	4					
			SILTY SAND (SM), very loose, fine grained, brown and red		S-2	25	A-2-4(0)	15.9	NP	NP	20.4
			Medium dense, gray and brown								
10			Loose, light brown		S-3	8					
5			Medium dense, light gray		S-4	21					
			Very loose		S-5	3					
10		A-2-4									
			Very loose, gray		S-6	WOH					
0											
15											
-5			Very loose		S-7	3	A-2-4(0)	26.4	NP	NP	30.7
20											
-10		A-7-6	LEAN CLAY (CL), soft, gray		S8/T1	4	A-7-6(32)	35.3	48	31	95.9
25											
		A-2-4									
-15			SILTY SAND (SM), medium dense, fine grained, light brown and light gray		S-9	11					
30			Boring Terminated at 30 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 23.5 to 25.5 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-9
STATION: 136+05 RT 87'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +29.0 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 18" of Asphalt								
			SILTY SAND (SM), medium dense, fine to coarse grained, reddish brown		S-1	20					
25			Dense		S-2	40	A-2-4(0)	13.8	NP	NP	26.3
5		A-2-4	Very dense		S-3	72	A-2-4(0)	12.7	NP	NP	18.5
20			Medium dense		S-4	22					
			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 136+00 RT 90'.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay

HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 3 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-10
STATION: 138+97 LT 95'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.8 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 10.8 ft.
DELAY GR. WATER DEPTH: 9.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 6" of Topsoil								
			SILTY SAND (SM), loose, fine to coarse grained, red and brown, with trace shell fragments		S-1	9					
10			Medium dense, red		S-2	16	A-2-4(0)	11.2	NP	NP	21.1
			Medium dense, light gray		S-3	17					
5			Loose		S-4	8					
5			Very loose		S-5	WOH					
10		A-2-4									
0			Very loose, fine grained, gray		S-6	WOH	A-2-4(0)	26.2	NP	NP	29.7
15											
-5					S-7	4					
20			FAT CLAY (CH), soft, gray, with trace organics (wood)								
-10		A-7-6									
			Brown		S-8	9					
25			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, light brown								
-15		A-3									
			Loose		S-9	7	A-3	26.2	NP	NP	5.7
30			Boring Terminated at 30 ft.								
			Note: Boring offset from original station 139+00 LT 90'.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-11
STATION: 138+80 RT 11'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +32.9 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil and Gravel								
			SILTY, CLAYEY SAND (SC-SM), medium dense, fine to coarse grained, red		S-1	20					
30			Medium dense, with trace gravel		S-2	18	A-2-4(0)	10.7	19	7	31.0
			SILTY SAND (SM), medium dense, fine to coarse grained, reddish brown		S-3	20					
5		A-2-4	Medium dense		S-4	22	A-2-4(0)	14.4	NP	NP	20.4
25											
10			Medium dense, red and light brown		S-5	15					
			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 139+00 CL.								

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-12
STATION: 142+89 RT 1'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.7 ft.
DATE DRILLED: 4-11-13 and 4-12-13
GR. WATER DEPTH: 4.8 ft.
DELAY GR. WATER DEPTH: 8.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 2" of Topsoil								
			SILTY SAND (SM), medium dense, fine grained, black to reddish brown		S-1	12					
10			Medium dense, gray, yellowish and reddish brown		S-2	23					
		A-2-4	Loose, gray		S-3	8	A-2-4(0)	20.9	NP	NP	16.8
5			Loose		S-4	5					
5											
10			ELASTIC SILT with SAND (MH), very soft, gray, with trace mica and trace clay		S-5	WOH					
0		A-7-5									
			Very soft		S-6	WOH	A-7-5(42)	45.4	96	53	72.3
15											
-5											
			SILTY SAND (SM), very loose, fine grained, gray and orangish brown		S-7	3					
20		A-2-4									
-10			SILTY, CLAYEY SAND (SC-SM), very loose, white and yellow, with trace mica		S-8	4	A-2-4(0)	23.6	18	4	13.1
25											
-15			POORLY GRADED SAND (SP), medium dense, fine grained, white and yellow, with trace mica		S-9	14	A-3	21.2	NP	NP	4.4
30		A-3									
-20			Medium dense		S-10	16					
35											
-25											

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 4 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-12
STATION: 142+89 RT 1'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.7 ft.
DATE DRILLED: 4-11-13 and 4-12-13
GR. WATER DEPTH: 4.8 ft.
DELAY GR. WATER DEPTH: 8.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40 -30 45		A-3	Medium dense, No recovery		S-11	14	A-3	18.5	NP	NP	0.9
			Medlum dense, flne to coarse grained		S-12	19					
			Medium dense		S-13	16					
			Boring Terminated at 45 ft. Note: Boring offset from original station 143+00 CL. Note: 2" standpipe piezometer installed.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-13
STATION: 146+10 LT 49'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +16.2 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 13.5 ft.
DELAY GR. WATER DEPTH: 12.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 15 5 10 10 5 15 0 20 -5 25 -10 30 -15 35		A-2-4	Approximately 8" of Topsoil		S-1	12	A-2-4(0)	11.4	NP	NP	20.7
			SILTY SAND (SM), medium dense, fine grained, red and brown, with trace gravel Medium dense, brown, with trace gravel		S-2	18					
			Medium dense, dark gray, with trace gravel and organics (wood)		S-3	30					
			Medium dense, light brown		S-4	28					
			Medium dense		S-5	14					
			Very loose, gray		S-6	2	A-2-4(0)	23.8	NP	NP	26.7
			CLAYEY SAND (SC), very loose, fine grained, gray		S-7	WOH					
					S-8	WOH					
		A-7-6	FAT CLAY (CH), very soft, brown, with trace organics		T-1						
			Stiff, gray and brown		S-9	12					
		A-3	POORLY GRADED SAND with SILT (SP-SM), medium dense, fine grained, light brown								
			Medium dense		S-10	26	A-3	22.5	NP	NP	10.5
			Boring Terminated at 35 ft. Note: Boring offset from original station 146+00 LT 40'. Note: Offset boring and drilled for undlsturbed samples (UD). UD collected at 25 to 27 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-14
STATION: 150+00 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +26.2 ft.
DATE DRILLED: 5-7-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 25 5 20 10 15 15 10 20		A-2-4	Approximately 6" of Topsoil		S-1	7	A-2-4(0)	11.2	NP	NP	21.2
			SILTY SAND (SM), loose, fine to coarse grained, red and brown Loose, red		S-2	6					
			Very loose, with trace gravel		S-3	3	A-2-4(0)	15.9	NP	NP	25.5
			Loose, with trace clay lenses		S-4	7					
			Loose, with some clay lenses		S-5	10					
			POORLY GRADED SAND with SILT (SP-SM), medium dense, fine to coarse grained, light red		S-6	13	A-2-4(0)	6.2	NP	NP	11.0
			Medium dense, light red and gray		S-7	25					
			Boring Terminated at 20 ft.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 5 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-15
STATION: 155+79 RT 42'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +21.9 ft.
DATE DRILLED: 4-11-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 5" of Topsoil		S-1	7					
20			SILTY SAND (SM), loose, fine to coarse grained, red and brown		S-2	6	A-2-4(0)	7.1	NP	NP	16.9
			Loose, red, with gravel								
5		A-2-4	Loose		S-3	10					
15			Medium dense, with shell fragments		S-4	38	A-2-4(0)	9.3	NP	NP	26.9
10			Loose, red and white, with trace gravel		S-5	9					
			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 156+00 RT 30'.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-16
STATION: 801+00 LT 23'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.7 ft.
GR. WATER DEPTH: 8.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt		S-1	20					
10			POORLY GRADED SAND with SILT (SP-SM), medium dense, fine grained, red, with trace shell fragments		S-2	17	A-2-4(0)	9.9	NP	NP	11.0
			Medium dense, light gray, with trace gravel								
5			Loose		S-3	5					
			Very loose, light brown, with trace gravel		S-4	2	A-2-4(0)	14.6	NP	NP	11.3
-5											
10			Very loose, gray, with trace brick		S-5	4					
0		A-2-4									
15			Very loose, with trace clay lenses		S-6	WOH					
-5											
20			Loose, light brown		S-7	5					
-10											
25			Loose		S-8	7					
			Boring Terminated at 25 ft.								
			Note: Boring offset from original station 801+00 LT 30'.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-17
STATION: 802+12 RT 4'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +14.0 ft.
DATE DRILLED: 5-6-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: 8.2 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 6" of Topsoil		S-1	6	A-3	11.0	NP	NP	10.0
		A-3	POORLY GRADED SAND with SILT (SP-SM), Loose, fine grained, red and brown		S-2	12					
			Medium dense, red								
10		A-2-4	POORLY GRADED SAND with SILT (SP-SM), loose, fine to coarse grained, gray and red		S-3	6	A-2-4(0)	15.0	NP	NP	10.9
5					S-4	11	A-3	18.0	NP	NP	9.5
		A-3	POORLY GRADED SAND with SILT (SP-SM), Medium dense, fine grained, gray and red								
-5			Loose, light gray		S-5	7					
			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 802+00 CL.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 6 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-18
STATION: 805+16 RT 7'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.9 ft.
DATE DRILLED: 4-16-13
GR. WATER DEPTH: 1.9 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt		S-1	30	A-2-4(0)	9.1	NP	NP	20.7
10		A-2-4	SILTY SAND (SM), medium dense, fine to coarse grained, red, with gravel Medium dense, brown and dark brown		S-2	30					
		A-3	POORLY GRADED SAND with SILT (SP-SM),, loose, fine grained, gray and brown, with trace gravel		S-3	9	A-3	10.4	NP	NP	10.1
5			SILTY SAND (SM), loose, fine grained, gray		S-4	5					
10 0		A-2-4	Very loose		S-5	WOH	A-2-4(0)	26.3	NP	NP	31.7
		A-7-6	FAT CLAY (CH), soft, brown, with trace organics (wood)		S-6	4					
15 -5		A-2-4	SILTY SAND (SM), medium dense, fine grained, brown		S-7	13					
20			Boring Terminated at 20 ft. Note: Boring offset from original station 805+00 CL.								

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-19
STATION: 807+18 RT 83'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +9.7 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3.5" of Asphalt		S-1	29					
			SILTY SAND (SM), medium dense, fine to coarse grained, dark red, with shell fragments Medium dense		S-2	18	A-2-4(0)	10.5	NP	NP	24.3
5			Loose		S-3	10					
10 -5		A-2-4	Medium dense, dark gray		S-4	15					
0			CLAYEY SAND (SC), fine grained, dark gray		S-5	4					
			Boring Terminated at 10 ft. Note: Boring offset from original station 807+00 RT 70'.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-20
STATION: 808+00 LT 50'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.4 ft.
DATE DRILLED: 4-9-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: 20.1 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	9	A-2-4(0)	16.7	NP	NP	15.7
10			SILTY SAND (SM), loose, fine to coarse grained, dark brown and black, with trace gravel Loose		S-2	7					
			Rock fragment		S-3	10					
5			SILTY GRAVEL with SAND (GM), very loose, light and dark gray		S-4	2	A-2-4(0)	28.2	NP	NP	33.6
10 0		A-2-4	Very loose		S-5	3					
			CLAYEY SAND (SC), very loose, fine grained, gray, with trace mica		S-6	WOH					
15 -5			FAT CLAY (CH), very soft, dark gray and gray		S-7	WOH	A-7-5(63)	63.1	87	54	96.9
20 -10		A-7-5	Medium stiff, bluish gray		S-8	5					
25			Boring Terminated at 25 ft.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS
FROM TEXAS ST. (EXIT 25A) TO
WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 7 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-21
STATION: 810+00 LT 5'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.2 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 10			Approximately 12" of Asphalt and Base Material								
			SILTY SAND (SM), medium dense, fine grained, gray and red, with trace gravel		S-1	30	A-2-4(0)	10.8	NP	NP	17.0
5 / 5		A-2-4	Loose, with trace gravel and clay lenses		S-2	5	A-2-4(0)	23.2	NP	NP	27.5
			SILTY SAND (SM), very loose, fine grained, gray		S-3	2					
10 / 0		A-4	Very loose		S-4	WOH	A-4(0)	27.6	NP	NP	41.0
			FAT CLAY (CH), very soft, gray		S-5	1					
15 / -5		A-7-6									
			Stiff, gray and brown		S-6	11					
20			Boring Terminated at 20 ft.								
			Note: Boring offset from original staion 810+00 CL.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-22
STATION: 813+00 LT 9'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +9.3 ft.
DATE DRILLED: 4-9-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 12" of Asphalt and Base Material								
			SILTY SAND (SM), medium dense, fine grained, brown and light red		S-1	25					
-5 / 5		A-2-4	SILTY GRAVEL (GM), loose, gray		S-2	9	A-2-4(0)	18.2	NP	NP	25.8
			No Recovery			3					
-0 / 10			CLAYEY SAND (SC), very loose, fine grained, gray		S-3	3					
			FAT CLAY with SAND (CH), soft gray and brown, with trace organics (wood)		S-4	4	A-7-5(81)	144.8	130	83	83.0
-5 / 15		A-7-5									
		A-2-4	SILTY SAND (SM), medium dense, fine grained, very light brown		S-5	24					
-10 / 20			Boring Terminated at 20 ft.								
			Note: Boring offset from original station 813+00 CL.								

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-23
STATION: 816+00 LT 50'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +9.4 ft.
DATE DRILLED: 4-9-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 4" SSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 10" of Topsoil		S-1	14					
			SILTY SAND (SM), medium dense, coarse grained, brown		S-2	25	A-2-4(0)	10.0	NP	NP	34.7
5 / 5		A-2-4	Medium dense, gray and brown, with trace gravel		S-3	13					
			Medium dense, with trace gravel								
			POORLY GRADED SAND with SILT (SP-SM), loose, fine to coarse grained, brown and gray, with trace gravel		S-4	9	A-3	23.2	NP	NP	9.9
10 / 0		A-3	Very loose, gray		S-5	WOH					
			ELASTIC SILT with SAND (MH), soft, brown and gray, with trace organics		S-6	4	A-7-5(31)	122.1	102	29	73.9
-5 / 15		A-7-5									
-10 / 20			Very stiff, with trace organics		S-7	16					
		A-2-4	SILTY SAND (SM), medium dense, fine grained, light gray								
			Boring Terminated at 20 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay

HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 8 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-24
STATION: 816+00 RT 54'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +8.4 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 10.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 12" of Asphalt and Base Material								
			POORLY GRADED SAND with SILT and GRAVEL (SP-SM), dense, fine grained, gray and red		S-1	36					
5			Medium dense, gray		S-2	13	A-2-4(0)	20.7	NP	NP	10.5
		A-2-4	SILTY SAND (SM), very loose, fine grained, gray		S-3	3					
0			Very loose		S-4	2	A-2-4(0)	26.7	NP	NP	31.6
-5		A-7-6	FAT CLAY (CH), medium stiff, gray		S-5	5					
15											
-10			SILTY SAND (SM), very loose, fine grained, gray		S-6	4					
20		A-2-4									
-15			Dense, light gray		S-7	35					
25			Boring Terminated at 25 ft.								
			Note: Boring offset from original station 816+00 RT 50'.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-25
STATION: 819+00 LT 60'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +9.4 ft.
DATE DRILLED: 4-9-13
GR. WATER DEPTH: 10.5 ft.
DELAY GR. WATER DEPTH: 7.2 ft.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			SILTY SAND (SM), loose, coarse to fine grained, brown, with trace gravel		S-1	10	A-4(0)	14.3	NP	NP	49.1
		A-4	Dense, brown and red		S-2	34					
-5			SILTY GRAVEL (GM), dense, brown and gray		S-3	31	A-2-4(0)	13.0	NP	NP	29.3
5		A-2-4	SILTY SAND (SM), medium dense, fine grained, black, with trace gravel		S-4	15					
0			CLAYEY SAND (SC), very loose, fine grained, gray		S-5	4					
10											
-5		A-7-6	FAT CLAY (CH), soft, brown and gray, with trace organics (wood)		S-6	2	A-7-6(47)	55.8	67	43	96.0
15											
-10		A-3	POORLY GRADED SAND (SP), loose, fine grained, light brown		S-7	10					
20			Boring Terminated at 20 ft.								
			Note: Approximately 24" of topsoil underlain by 10" of fill material was encountered below ground surface.								

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-26
STATION: 819+00 RT 60'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +8.2 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 12.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 12" of Asphalt and Base Material								
			SILTY SAND (SM), medium dense, fine grained, red, with trace gravel		S-1	26	A-2-4(0)	8.7	NP	NP	22.2
5			Loose, red and very dark gray		S-2	8					
0		A-2-4	Loose, gray		S-3	8	A-2-4(0)	20.3	NP	NP	13.0
			Very loose, gray and brown		S-4	4					
-5			Loose, with trace organics (wood)		S-5	9					
15		A-7-6	FAT CLAY (CH), stiff, gray								
			Boring Terminated at 15 ft.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013

APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 9 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-27
STATION: 821+96 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +7.7 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 6.4 ft.
DELAY GR. WATER DEPTH: 5.0 ft.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 12" of Topsoil		S-1	14					
			SILTY SAND with GRAVEL (SM), medium dense, fine grained, brown and red		S-2	30	A-2-4(0)	15.3	NP	NP	19.5
5			Medium dense, red and very dark brown								
		A-2-4	Medium dense, very dark brown		S-3	13					
5											
			Medium dense, very dark gray, with trace gravel		S-4	13	A-2-4(0)	26.0	NP	NP	21.7
0											
		A-3	POORLY GRADED SAND (SP), medium dense, fine grained, light gray		S-5	13					
10			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 822+00 CL.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-28
STATION: 824+00 RT 16'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +7.2 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 4.5 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	8					
			POORLY GRADED SAND with SILT and GRAVEL (SP-SM), loose, fine to coarse grained, brownish red		S-2	6	A-3	13.8	NP	NP	6.8
5			Loose		S-3	10					
5		A-3	Loose, fine grained, dark and light brown		S-4	8	A-3	22.1	NP	NP	9.8
0											
			Medium dense		S-5	14					
10			Boring Terminated at 10 ft.								

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-29
STATION: 827+03 RT 43'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +5.5 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 4.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	7	A-2-4(0)	8.1	NP	NP	16.1
5			SILTY SAND with GRAVEL (SM), loose, fine to coarse grained, red and brown		S-2	20					
			Medium dense								
			Loose, dark brown		S-3	8					
5		A-2-4	Very loose		S-4	4					
0											
			Medium dense, gray		S-5	11					
10			Boring Terminated at 10 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation
Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
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Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS
FROM TEXAS ST. (EXIT 25A) TO
WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 10 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-30
STATION: 831+00 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.0 ft.
DATE DRILLED: 5-16-13
GR. WATER DEPTH: 9.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 6" of Asphalt								
			SILTY SAND (SM), dense, fine to coarse grained, red, with shell fragments		S-1	47	A-2-4(0)	10.0	NP	NP	24.2
			Medium dense, brown		S-2	24					
5			SILTY SAND with GRAVEL (SM), medium dense, fine to coarse grained, brown		S-3	21	A-2-4(0)	8.5	NP	NP	16.1
		A-2-4	Very dense		S-4	63					
10			Medium dense, brown and red		S-5	30					
			Boring Terminated at 10 ft.								

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-31
STATION: 834+00 LT 3'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +5.9 ft.
DATE DRILLED: 5-16-13
GR. WATER DEPTH: 6.5 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 8" of Asphalt								
			SILTY SAND (SM), medium dense, fine to coarse grained, red and brown		S-1	26	A-2-4(0)	9.0	NP	NP	19.2
			Medium dense, gray and brown, with trace gravel		S-2	20					
5			Medium dense		S-3	12					
		A-2-4	SILTY SAND with GRAVEL (SM), medium dense, fine grained, gray		S-4	12	A-2-4(0)	25.6	NP	NP	14.1
10			Loose, gray and brown		S-5	8					
			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 834+00 CL.								

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-32
STATION: 1601+00 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.0 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
			SILTY SAND (SM), medium dense, fine grained, red and light brown		S-1	18					
10			Medium dense, light brown		S-2	25	A-2-4(0)	16.3	NP	NP	14.8
			Medium dense, red and light brown		S-3	16					
5			Very loose		S-4	4					
		A-2-4	Very loose, gray		S-5	4	A-2-4(0)	22.9	NP	NP	24.4
10											
0			Very loose		S-6	WOH					
15											
-5		A-7-6	FAT CLAY (CH), medium stiff, gray		S-7	6					
20			Boring Terminated at 20 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 11 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-33
STATION: 1603+97 LT 6'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.2 ft.
DATE DRILLED: 4-30-13
GR. WATER DEPTH: 13.4 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
		A-2-4	SILTY SAND (SM), loose, fine grained, red, with trace gravel		S-1	6					
10			Medium dense, light gray and light brown		S-2	21	A-2-4(0)	12.7	NP	NP	17.0
			Medium dense, light gray, with trace organics (wood)		S-3	12					
5			Loose		S-4	10					
5											
		A-4	SILTY, CLAYEY SAND (SC-SM), very loose, fine grained, gray		S-5	WOH	A-4(0)	30.6	22	7	40.4
10											
0											
			Very loose		S-6	WOH					
15											
-5		A-7-5	ELASTIC SILT (MH), very soft, brown, with some organics (wood)		S-7	WOH	A-7-5(18)	63.1	50	14	93.3
20											
-10			Stiff, brown and light brown, with sand and trace organics (wood)		S-8	11					
25		A-2-4	CLAYEY SAND (SC), medium dense, fine grained, light brown								

Boring Terminated at 25.5 ft.

Note: Boring offset from original station 1604+00 CL.

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

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RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-34
STATION: 1501+01 LT 7'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.5 ft.
DATE DRILLED: 4-30-13
GR. WATER DEPTH: N.E
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
			SILTY SAND (SM), medium dense, fine grained, red and light brown		S-1	23					
10			Medium dense, light brown		S-2	20	A-2-4(0)	16.8	NP	NP	18.5
			Medium dense, light brown and light gray		S-3	13					
5			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, light gray		S-4	9	A-2-4(0)	23.8	NP	NP	10.9
5		A-2-4	Very loose, gray		S-5	2					
10											
0											
			SILTY SAND (SM), very loose, fine grained, grey		S-6	WOH	A-2-4(0)	26.2	NP	NP	25.6
15											
-5		A-7-6	FAT CLAY (CH), soft, dark brown, with some organics (wood)		S-7	3					
20											
-10			Stiff, light brown		S-8	11					
25		A-2-4	POORLY GRADED SAND with SILT (SP-SM), medium dense, fine grained, light brown								

Boring Terminated at 25 ft.

Note: Boring offset from original station 1501+00 CL.

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-35
STATION: 1503+00 LT 2'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +13.2 ft.
DATE DRILLED: 4-26-13
GR. WATER DEPTH: 7.2 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	9	A-2-4(0)	9.5	NP	NP	19.1
			SILTY SAND (SM), loose, fine grained, dark brown to reddish brown, with trace organics		S-2	14					
10			Medium dense, light gray								
			Medium dense		S-3	12	A-2-4(0)	16.6	NP	NP	15.5
5			Medium dense		S-4	16					
5											
		A-2-4	Very loose		S-5	4					
10											
0											
			Very loose, dark gray		S-6	2	A-2-4(0)	24.4	NP	NP	26.9
15											
-5			Loose		S-7	9					
20											

Boring Terminated at 20 ft.

Note: Boring offset from original station 1503+00 CL.

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 12 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-36
STATION: 1700+14 RT 7'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +13.3 ft.
DATE DRILLED: 4-30-13
GR. WATER DEPTH: N.O.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
		A-2-4	SILTY SAND (SM) with GRAVEL, dense, fine to coarse grained, red		S-1	40	A-2-4(0)	6.5	NP	NP	14.5
-5			Medium dense, fine grained, light brown		S-2	20	A-2-4(0)	8.6	NP	NP	17.6
			Medium dense, gray, with organics (wood)		S-3	11					
-10			Organics (wood)		S-4	14					
			Organics (wood)		S-5	10					
		A-4	CLAYEY SAND (SC), loose, fine grained, gray		S-6	6	A-4(0)	58.6	22	9	37.5
-15			Boring Terminated at 15 ft.								
			Note: Boring offset from original station 2200+00 CL of Conception St. Offset stationing references CL of Claiborne St.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-37
STATION: 2200+24 LT 5'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.3 FT.
DATE DRILLED: 5-1-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
10		A-2-4	SILTY SAND with GRAVEL (SM), dense, fine to coarse grained, red		S-1	33	A-2-4(0)	8.6	NP	NP	20.0
			Medium dense, red		S-2	12					
5		A-3	POORLY GRADED SAND with SILT (SP-SM), medium dense, fine to coarse grained, light red		S-3	9	A-3	20.4	NP	NP	5.6
-5			Loose		S-4	4					
10		A-2-4	Very loose CLAYEY SAND (SC), very loose, fine grained, gray		S-5	WOH					
0											
15		A-7-6	LEAN CLAY with SAND (CL), very soft, gray and brown, with trace organics (wood)		S-6	WOH	A-7-6(20)	71.1	42	24	84.6
-5											
			Stiff, gray		S-7	13					
20		A-3	POORLY GRADED SAND (SP), medium dense, fine to coarse grained, light brown								
			Boring Terminated at 20 ft.								
			Note: Boring offset from original station 2204+00 CL.								

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

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RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-38
STATION: 1802+48 RT 10'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.3 ft.
DATE DRILLED: 4-30-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: 2.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
10		A-2-4	SILTY SAND (SM), medium dense, fine to coarse grained, red and reddish brown, with shell fragments		S-1	24	A-2-4(0)	7.3	NP	NP	12.2
			Medium dense, brown to dark brown		S-2	28					
			Note: Boring offset from original station 1802+50 CL. Boring Terminated at 3.8 ft. due to an obstruction Boring offset additional 15' LT.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER

DATE :
6/06/2013

APPROVED :
DIVISION MATERIALS ENGINEER

DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 13 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-38A
STATION: 1802+55 RT 26'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.3 ft.
DATE DRILLED: 4-30-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: 2.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 7" of Topsoil		S-1	16	A-2-4(0)	7.3	NP	NP	12.2
			SILTY SAND (SM), medium dense, fine grained, brown, with trace gravel		S-2	21					
10		A-2-4	Medium dense, light brown		S-3	14	A-2-4(0)	16.1	NP	NP	16.0
5			Loose, light gray		S-4	9					
5		A-7-6	FAT CLAY (CH), very soft, gray		S5/T1	WOH					
10											
0		A-2-4	SILTY SAND (SM), very loose, fine grained, gray		S-6	WOH	A-2-4(0)	26.8	NP	NP	24.6
15											
-5		A-7-6	FAT CLAY (CH), medium stiff, brownish gray, with some organics (wood)		S7/T2	5					
20											
-10		A-4	SILTY SAND (SM), very loose, fine grained, gray		S-8	WOH	A-4(0)	30.3	NP	NP	44.0
25											
-15		A-3	POORLY GRADED SAND (SP), loose, fine grained, light brown		S-9	7					
30			Boring Terminated at 30 ft.								
			Note: Boring offset from original station 1802+50 CL.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 8 to 10 ft. and 18 to 20 ft.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-39
STATION: 2301+64 LT 3'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.8 ft.
DATE DRILLED: 5-1-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt		S-1	29	A-2-4(0)	8.2	NP	NP	17.5
			SILTY SAND with GRAVEL (SM), medium dense, fine to coarse grained, red and brown		S-2	14	A-2-4(0)	13.7	NP	NP	14.4
10			Medium dense, fine grained, brown and gray								
5		A-2-4	Loose, gray		S-3	4					
5			Loose, with trace clay lenses		S-4	4	A-2-4(0)	22.5	NP	NP	17.0
10			Loose		S-5	4					
0											
		A-7-6	FAT CLAY (CH), very soft, gray, with trace sand lenses		S-6	WOH					
15											
-5											
20			Stiff, brown and dark brown, with trace organics (wood)		S-7	10					
			Boring Terminated at 20 ft.								
			Note: Boring offset from orginal station 1902+00 CL of Joachim St. Offset boring references CL of Conception St.								

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-40
STATION: 2101+24 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +7.0 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 7.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 6" of Asphalt		S-1	20	A-2-4(0)	10.0	NP	NP	17.2
			SILTY SAND with GRAVEL (SM), medium dense, fine to coarse grained, brown and red		S-2	10					
5			Loose								
5			Loose, fine grained, brown		S-3	9	A-2-4(0)	20.0	NP	NP	16.6
0			Loose		S-4	10					
		A-2-4	Very loose		S-5	WOH					
10											
-5			CLAYEY SAND (SC), very loose, fine grained, dark brown		S-6	4					
15											
-10		A-6	LEAN CLAY with SAND (CL), soft, gray		S-7	2					
20											
-15		A-3	POORLY GRADED SAND (SP), loose, fine grained, brown		S-8	5					
25			Boring Terminated at 25 ft.								
			Note: Boring offset from original station 2101+00 CL.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

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APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 14 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-41
STATION: 1701+50 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +25.0 ft.
DATE DRILLED: 4-29-13
GR. WATER DEPTH: N.O.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 25			Approximately 2" of Topsoil		S-1	5					
		A-2-4	SILTY SAND (SM), loose, fine to coarse grained, dark brown Loose, dark brown and red		S-2	8	A-2-4(0)	12.6	NP	NP	17.0
		A-6	SAMDY LEAN CLAY (CL), soft, brownish red		S-3	4					
5 / 20			SILTY SAND (SM), medium dense, fine grained, brownish red		S-4	21	A-2-4(0)	14.4	NP	NP	28.3
			Dense		S-5	31					
10 / 15											
			Medium dense, gray		S-6	15					
15 / 10		A-2-4									
			Loose, dark gray		S-7	7	A-2-4(0)	21.6	NP	NP	12.4
20 / 5											
			Very loose, with trace clay lenses		S-8	3					
25 / 0											
			Very loose		S-9	3	A-2-4(0)	28.9	NP	NP	29.8
30 / -5											
			FAT CLAY (CH), soft, grayish brown, with trace organics (wood)		S-10	4					
35 / -10		A-7-6									

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-41
STATION: 1701+50 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +25.0 ft.
DATE DRILLED: 4-29-13
GR. WATER DEPTH: N.O.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40 / -15		A-4	SANDY SILTY CLAY (CL-ML), medium stiff, gray		S-11	5	A-4(2)	30.8	26	6	66.5
45 / -20		A-3	POORLY GRADED SAND (SP), loose, fine grained, light brown		S-12	9					
			Boring Terminated at 45 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-42
STATION: 1702+52 LT 74'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +24.9 ft.
DATE DRILLED: 4-11-13
GR. WATER DEPTH: 27.1 ft.
DELAY GR. WATER DEPTH: 19.3 ft.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 25			Approximately 13" of Topsoil		S-1						
			SILTY SAND (SM), loose, fine grained, red and brown Loose		S-2	9	A-2-4(0)	9.9	NP	NP	25.7
			Loose, brown		S-3	7					
5 / 20			Dense, red and brown		S-4	37					
			Dense, fine to coarse grained, red, with trace gravel		S-5	35	A-2-4(0)	9.5	NP	NP	21.7
10 / 15		A-2-4									
			Very dense, with asphalt		S-6	20/2"					
15 / 10											
			Loose, gray, with trace clay and asphalt fragments		S-7	7					
20 / 5											
			Loose, fine grained		S-8	6	A-2-4(0)	26.2	NP	NP	29.8
25 / 0											
			Loose		S-9	7					
30 / -5			SANDY SILT (ML), medium stiff, gray		T-1		A-4(0)	132	NP	NP	62.8
		A-4			T-2						
			Boring Terminated at 34 ft. Note: Boring offset from original station 1703+00 LT 60'. Boring offset additional 6 ft. southeast due to asphalt at 15 ft. Offset boring drilled for undisturbed samples (UD). UDs collected at 30 to 32 ft. and 32 to 34 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay

HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 15 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-43
STATION: 1703+00 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +21.8 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 14.9 ft.
DELAY GR. WATER DEPTH: 13.5 ft.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 14" of Topsoil		S-1	4					
20			SILTY SAND (SM), very loose, fine grained, brown Loose, red, with trace gravel		S-2	7	A-2-4(0)	14.6	NP	NP	35.0
5			SILTY, CLAYEY SAND (SC-SM), medium dense, fine to coarse grained, red		S-3	15	A-2-4(0)	11.6	18	5	24.6
15			SILTY SAND (SM), medium dense, fine to coarse grained, red		S-4	26					
10			Medium dense, red and gray		S-5	20	A-2-4(0)	14.9	NP	NP	24.6
10		A-2-4	Very loose, with trace gravel		S-6	3					
5			Medium dense, fine grained, gray, with trace gravel		S-7	13	A-2-4(0)	27.2	NP	NP	13.9
20			Very dense, with trace steel fragments		S-8	50/2"					
0			Boring Terminated at 25 ft. Note: Auger refusal at 24.5 ft. due to obstruction (steel) .								
25											

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-44
STATION: 1703+00 RT 60'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +23.7 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 27.1 ft.
DELAY GR. WATER DEPTH: 17.5 ft.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0		A-6	Approximately 1" of Asphalt		S-1	10					
			SANDY LEAN CLAY (CL), stiff, red, with trace shell fragments		S-2	15	A-2-4(0)	8.9	NP	NP	27.7
20			SILTY SAND (SM), medium dense, fine to coarse grained, red Medium dense		S-3	20		12.0			33.7
5		A-2-4									
			Medium dense, red and brown		S-4	20					
15			POORLY GRADED GRAVEL with SILT and SAND (GP- GM), medium dense, brown		S-5	11	A-1-b	9.8	NP	NP	8.8
10		A-1-b									
10			SILTY SAND (SM), medium dense, fine grained, gray		S-6	30					
15		A-2-4									
5			Very loose, with trace gravel		S-7	4	A-2-4(0)	25.0	NP	NP	21.5
20											
0			Very loose, with some gravel		S8/T1	3	A-2-4(0)	27.4	NP	NP	22.0
25											
-5		A-7-5	FAT CLAY (CH), medium stiff, gray		S-9	5	A-7-5(77)	78.7	108	76	88.3
30											
-10		A-7-6	FAT CLAY with SAND (CH), medium stiff, brown		S-10	8	A-7-6(44)	28.0	74	56	77.2
35											

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-44
STATION: 1703+00 RT 60'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +23.7 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 27.1 ft.
DELAY GR. WATER DEPTH: 17.5 ft.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
-15			Very stiff		S-11	18					
40			POORLY GRADED SAND (SP), fine grained, light brown								
		A-3									
-20			No sample (sand in drill stem)		S-12						
45			Boring Terminated 45 ft. Note: Boring offset from original station 1703+00 RT 60'. Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 24 to 26 ft. Note: 2" standpipe piezometer installed.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation
Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 16 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-45
STATION: 1705+00 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +15.9 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 1" of Asphalt		S-1	13					
15			SILTY SAND (SM), medium dense, fine to coarse grained, red, with trace shell fragments		S-2	20	A-2-4(0)	15.9	NP	NP	17.7
			Medium dense, red and gray								
5			Medium dense, red and dark gray, with trace gravel		S-3	17					
10											
			Medium dense, fine grained, light gray		S-4	18	A-2-4(0)	17.3	NP	NP	16.7
		A-2-4	Medium dense, light brown		S-5	18	A-2-4(0)	18.8	NP	NP	12.4
10	5										
			Very loose, gray		S-6	3	A-2-4(0)	24.4	NP	NP	32.2
15	0										
			FAT CLAY with SAND (CH), medium stiff, gray, with organics (wood)		S7/T1	6	A-7-6(39)	52.4	70	44	82.4
20	-5	A-7-6			T-2						
					T-3						
			Boring Terminated at 20 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 18 to 20 ft. 20 to 22 ft. and 22 to 24 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-46
STATION: 1707+00 LT 70'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +23.7 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	10					
			SILTY SAND (SM), loose, fine grained, red, with trace gravel		S-2	14	A-2-4(0)	9.1	NP	NP	16.4
20			Medium dense								
			Medium dense		S-3	18					
5			Dense		S-4	34					
15			Medium dense, fine to coarse grained, with 4" clay layer at bottom		S-5	18	A-2-4(0)	15.0	NP	NP	32.4
10		A-2-4									
			Dense, fine grained, red and gray		S-6	33					
15											
			Medium dense, light gray		S-7	16					
20	-5										
			Medium dense		S-8	12	A-2-4(0)	22.1	NP	NP	18.0
25	0		Boring Terminated at 25 ft.								

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-47
STATION: 1707+00 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +17.5 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 9.3 ft.
DELAY GR. WATER DEPTH: 10.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dinlger
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	8					
			SILTY SAND (SM), loose, fine grained, red and dark brown		S-2	14					
15			Medium dense, red								
5			Loose, red and gray, with some gravel		S-3	10	A-2-4(0)	12.1	NP	NP	28.3
			Loose, red		S-4	8					
10											
			Very dense, very light red, with 6" of asphalt		S-5	22/5"					
10		A-2-4									
5											
			Very loose, gray, with trace gravel and brick		S-6	3	A-2-4(0)	26.2	NP	NP	24.3
15											
			Very loose		S-7	WOH					
0											
20	-5										
		A-4	SILT (ML), medium stiff, gray and brown, with trace organics (wood)		S8/T1	7		67.4	35	2	
25											
	-10	A-2-4	SILTY SAND (SM), medium dense, fine grained, light brown, with trace gravel		S-9	30	A-2-4(0)	37.6	NP	NP	30.6
30			Boring Terminated at 30 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 23.5 to 25.5 ft.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay

HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-48
STATION: 1709+00 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.7 ft.
DATE DRILLED: 4-9-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	18					
			SILTY SAND (SM), medium dense, fine to coarse grained, red		S-2	22	A-2-4(0)	13.4	NP	NP	13.7
10			Medium dense, brown and light brown, with trace gravel								
5			Loose, light brown		S-3	5					
			Very loose, fine grained, gray and brown, with trace gravel and organics (wood)		S-4	4	A-2-4(0)	24.9	NP	NP	23.6
5			Very loose		S-5	2					
10		A-2-4									
0			Very loose, gray		S-6	WOH	A-2-4(0)	28.5	NP	NP	29.9
15											
-5			Loose, gray and brown		S-7	5					
20			Boring Terminated at 20 ft.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-49
STATION: 402+19 RT 48'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +21.9 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
			SILTY SAND (SM), loose, fine to coarse grained, red		S-1	9					
20			Medium dense		S-2	14	A-2-4(0)	8.4	NP	NP	21.4
			Medium dense		S-3	20					
5		A-2-4	Medium dense		S-4	24	A-2-4(0)	8.6	NP	NP	14.8
15											
			Dense, red and light brown		S-5	32					
10			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 402+18 RT 30'.								

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-50
STATION: 405+27 RT 29'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +23.7 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 12" of Asphalt and Base Material								
		A-2-4	SILTY SAND (SM), medium dense fine to coarse grained, red, with trace shell and gravel		S-1	27					
20			POORLY GRADED SAND with SILT (SP-SM), medium dense, fine to coarse grained, red		S-2	29	A-3	7.9	NP	NP	10.1
5		A-3	Medium dense		S-3	22					
			SILTY SAND (SM), dense, fine to coarse grained, red		S-4	32	A-2-4(0)	11.3	NP	NP	14.7
15		A-2-4	Meduim dense		S-5	24					
10			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 405+00 RT 40'.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS
FROM TEXAS ST. (EXIT 25A) TO
WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 18 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-51
STATION: 407+85 LT 6'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +28.7 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 10" of Asphalt and Base Material		S-1	21					
25			SILTY, CLAYEY SAND (SC-SM), medium dense, fine to coarse grained, red		S-2	35	A-2-4(0)	9.6	18	4	22.7
5			Dense, red and brown, with trace gravel		S-3	21					
			SILTY SAND (SM), medium dense, fine grained, red		S-4	27					
		A-2-4	Medium dense, red and brown								
20					S-5	19					
10			Medium dense, brown								
15			Medium dense, light red and brown		S-6	21	A-2-4(0)	10.5	NP	NP	14.3
15			Boring Terminated at 15 ft.								
			Note: Boring offset from original station 408+00 LT 20'.								

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-51A
STATION: 407+65 LT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +28.7 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.O.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
			Auger boring to 18.5 ft.								
10			SILTY SAND (SM), medium dense, fine grained, gray		S-1	18					
20		A-2-4									
-5			Very loose		S-2	WOH	A-2-4(0)	26.6	NP	NP	35.1
25											
0		A-7-6	FAT CLAY (CH), very soft, gray and brown, with trace organics		S3/T1	1					
30											
-5		A-2-4	SILTY SAND (SM), very loose, fine grained, gray and light brown		S-4	3		24.8			33.8
35											
-10			POORLY GRADED SAND (SP), medium dense, fine grained, light brown		S-5	11					
40		A-3									
-15			Medium dense		S-6	13					
45			Boring Terminated at 45 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 28 to 30 ft.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-52
STATION: 410+50 LT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +31.3 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 23.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 5" of Asphalt		S-1	19	A-2-4(0)	13.2	19	4	32.0
30			SILTY, CLAYEY SAND (SC-SM), medium dense, fine to coarse grained, red		S-2	14					
			Medium dense								
5			SILTY SAND (SM), medium dense, fine to coarse grained, red and brown, with trace gravel		S-3	23	A-2-4(0)	14.2	NP	NP	16.2
25			Medium dense		S-4	14					
			Medium dense		S-5	16					
10											
20		A-2-4	CLAYEY SAND (SC), loose, fine to coarse grained, red and brown		S-6	10	A-2-4(0)	19.2	22	10	29.1
15											
			SILTY SAND (SM), dense, fine grained, reddish brown		S-7	41					
20											
10			Loose, gray		S-8	8					
25											
5			SILTY SAND (SM), very loose, fine grained, gray		S-9	WOH	A-4(0)	26.5	NP	NP	38.5
30		A-4									
0			Very loose		S-10	3					
35											
-5		A-7-6									

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD

Groundwater Table, Delay

HSA - Hollow Stem Auger

SSA - Solid Stem Auger

MR - Mud Rotary

NO - Not Obtained

NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER

DATE :
6/06/2013

APPROVED :

DIVISION MATERIALS ENGINEER

DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 19 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-52
STATION: 410+50 LT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +31.3 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 23.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40		A-7-6	LEAN CLAY (CL), soft, gray		S-11	3	A-7-6(29)	32.1	48	28	94.6
-10		— —									
45		A-3	POORLY GRADED SAND with SILT (SP-SM), very loose, fine grained, light brown		S-12	3					
-15			Dense		S-13	39	A-3	19.0	NP	NP	6.0
50			Boring Terminated at 50 ft.								
			Note: Boring offset from original station 410+00 Lt 30'.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-53
STATION: 700+00 LT 10'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +14.0 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 13.5 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0		— —	Approximately 10" of Topsoil		S-1	9					
			SILTY SAND (SM), loose, fine grained, dark brown		S-2	10	A-2-4(0)	15.0	NP	NP	20.1
10			Loose, light brown								
			Medium dense, dark and light brown		S-3	17					
5			Medium dense, light brown		S-4	17					
		A-2-4									
10			Very loose, light brown and gray		S-5	4	A-2-4(0)	28.8	NP	NP	17.4
0			Very loose, gray		S-6	WOH					
15		— —									
		A-7-6	FAT CLAY (CH), soft, gray and brown, with trace organics (wood)		S7/T1	3					
-5											
20		— —									
		A-3									
-10			POORLY GRADED SAND (SP), medium dense, fine grained, light brown		S-8	16					
25			Boring Terminated at 25 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 18.5 to 20.5 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-54
STATION: 703+00 LT 20'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +13.5 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 23.0 ft.
DELAY GR. WATER DEPTH: 7.8 ft.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0		— —	Approximately 4" of Topsoil		S-1	6					
			SILTY SAND (SM), loose, fine grained, brown		S-2	9	A-2-4(0)	16.5	NP	NP	17.2
		A-2-4	Loose								
10			Medium dense, brown and gray		S-3	14					
5		— —			S-4	6	A-3	22.5	NP	NP	10.0
			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, gray, with trace organics (wood)								
5		A-3	Very loose, gray and light brown		S-5	2					
10		— —									
0			SILTY SAND (SM), very loose, fine grained, gray		S-6	WOH	A-2-4(0)	26.2	NP	NP	27.6
15											
-5			Loose		S-7	10					
20		A-2-4									
-10			Medium dense, light brown and gray, with clay seam		S-8	12					
25		— —									
-15		A-3	POORLY GRADED SAND (SP), medium dense, fine grained, light brown		S-9	22	A-3	22.9	NP	NP	4.2
30			Boring Terminated at 30 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 20 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-55
STATION: 706+00 LT 24'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.6 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 3.2 ft.
DELAY GR. WATER DEPTH: 4.8 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 12" of Topsoil		S-1	15					
10		A-2-4	SILTY SAND (SM), medium dense, fine grained, red and brown, with trace shell fragments		S-2	18	A-2-4(0)	12.7	NP	NP	18.4
			Medium dense, light brown and light gray		S-3	7					
5		A-3	POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, light gray		S-4	6	A-3	20.4	NP	NP	8.5
			Loose, light brown								
5											
		A-2-4	SILTY SAND (SM), very loose, fine grained, gray		S-5	2					
10											
0		A-2-4	Very loose, with trace organics		S-6	2					
15											
-5		A-7-6	FAT CLAY (CH), medium stiff, gray and light brown		S-7	5					
20			SILTY SAND (SM), loose, fine grained, light gray								
-10		A-2-4	Medium dense, light bluish gray		S-8	23					
25											
-15		A-3	POORLY GRADED SAND (SP), medium dense, fine grained, white		S-9	26	A-3	19.9	NP	NP	2.3
30			Boring Terminated at 30 ft.								
			Note: Boring offset from original station 706+00 LT 10'.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-56
STATION: 707+86 LT 23'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.4 ft.
DATE DRILLED: 4-12-13
GR. WATER DEPTH: 4.2 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 10" of Topsoil		S-1	8					
10			SILTY SAND with GRAVEL (SM), loose, fine to coarse grained, brown		S-2	13	A-2-4(0)	8.9	NP	NP	14.0
			Medium dense, red and light brown		S-3	9					
5			Loose, fine grained, light brown and gray								
5			Very loose, gray		S-4	1		29.3			29.2
		A-2-4	Very loose		S-5	1					
10											
0			Very loose, with trace organics (wood)		S-6	WOH	A-2-4(0)	26.1	NP	NP	22.7
15											
-5		A-7-6	LEAN CLAY with SAND (CL), soft, gray, with trace organics (wood)		S-7	3					
20											
-10			Soft, gray and brown, with trace organics (wood)		S-8	3	A-7-6(26)	108.2	49	33	81.1
25											
-15			SILTY SAND (SM), medium dense, fine grained, light brown		S-9	25					
30											
-20		A-2-4	Medium dense		S-10	18	A-2-4(0)	31.0	NP	NP	12.4
35											
-25											

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-56
STATION: 707+86 LT 23'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.4 ft.
DATE DRILLED: 4-12-13
GR. WATER DEPTH: 4.2 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40		A-2-4	Medium dense		S-11	26					
			Boring Terminated at 40 ft.								
			Note: Boring offset from original station 707+86 LT 10'.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 21 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-57
STATION: 1201+00 LT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.7 ft.
DATE DRILLED: 4-16-13
GR. WATER DEPTH: 2.8 ft.
DELAY GR. WATER DEPTH: 6.7 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 12" of Topsoil		S-1	15					
10			SILTY SAND (SM), medium dense, fine grained, white Medium dense, brown		S-2	23					
5			Medium dense, gray		S-3	16	A-2-4(0)	16.5	NP	NP	17.5
		A-2-4	Loose		S-4	10					
10			Very loose, with trace trace clay lenses and organics (wood)		S-5	4					
0											
15		A-7-5	FAT CLAY with SAND (CH), soft, gray, with trace gravel		S-6	2	A-7-5(45)	25.8	82	49	80.8
-5			Soft, brown, with trace organics (wood)		S-7	4					
20			SILTY SAND (SM), very loose, fine grained, brown								
-10											
25			Medium dense, light gray and reddish brown, with trace clay lenses		S-8	12	A-2-4(0)	31.5	NP	NP	19.1
		A-2-4									
-15			Medium dense, light brown		S-9	18					
30											
-20											
			POORLY GRADED SAND (SP), medium dense, fine to coarse grained, white		S-10	23	A-3	25.8	NP	NP	2.8
35		A-3									
-25											

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-57
STATION: 1201+00 LT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.7 ft.
DATE DRILLED: 4-16-13
GR. WATER DEPTH: 2.8 ft.
DELAY GR. WATER DEPTH: 6.7 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40		A-3	Medium dense		S-11	24					
			Boring Terminated at 40 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-58
STATION: 1203+00 LT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +28.8 ft.
DATE DRILLED: 4-18-13
GR. WATER DEPTH: 19.3 ft.
DELAY GR. WATER DEPTH: 18.1 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 5" of Topsoil		S-1	10					
		A-2-4	SILTY SAND (SM), loose, fine to coarse grained, red and brown Medium dense, grained, red		S-2	20	A-2-4(0)	10.6	NP	NP	25.3
25		A-6	LEAN CLAY (CH), very stiff red		S-3	21					
5			SILTY SAND (SM), medium dense, fine grained, red and white Medium dense, red		S-4	18	A-4(0)	19.5	NP	NP	36.8
20			Loose, red and brown		S-5	8					
10		A-4									
15			Medium dense, red, with trace gravel		S-6	11	A-4(0)	13.1	NP	NP	36.1
			Medium dense, gray		S-7	16					
10											
20											
5			SILTY SAND (SM), medium dense, fine grained, gray and brown		S-8	11	A-2-4(0)	23.3	NP	NP	14.2
25											
0		A-2-4	Very loose, gray		S-9	2					
30											
-5			Very loose		S-10	WOH	A-2-4(0)	28.4	NP	NP	27.5
35											
		A-7-6									

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 22 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-58
STATION: 1203+00 LT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +28.8 ft.
DATE DRILLED: 4-18-13
GR. WATER DEPTH: 19.3 ft.
DELAY GR. WATER DEPTH: 18.1 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
-10 40		A-7-6	FAT CLAY (CH), very soft, gray		S-11	WOH					
-15 45			Soft		S-12	4	A-7-6(53)	45.2	78	49	93.1
-20 50		A-3	POORLY GRADED SAND (SP), medium dense, fine to coarse grained, white		S-13	24					
			Boring Terminated at 50 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-59
STATION: 1203+00 RT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +18.3 ft.
DATE DRILLED: 4-18-13
GR. WATER DEPTH: 17.5 ft.
DELAY GR. WATER DEPTH: 15.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 5" of Topsoil								
15			SILTY SAND (SM), loose, fine grained, red and brown		S-1	5					
			Loose, red		S-2	10					
5			Loose, red and brown		S-3	7					
		A-2-4	Medium dense, brown and gray		S-4	22	A-2-4(0)	13.6	NP	NP	22.2
10			Medium dense, fine to coarse grained, gray, white, and red		S-5	12					
10											
5			CLAYEY SAND (SC), very loose, fine grained, dark brown and gray, with 5" clay layer		S-6	2					
15		A-4									
0			SILTY SAND (SM), very loose, fine grained, gray		S-7	WOH	A-4(0)	27.7	NP	NP	37.5
20											
-5			FAT CLAY (CH), soft, dark gray, with trace sand and organics (wood)		S-8	4					
25											
-10		A-7-5	Soft, grayish brown, with trace shell fragments		S9/T1	3	A-7-5(72)	74.3	98	63	94.6
30											
-15			Medium stiff		S-10	5					
35			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, light red								
-20		A-2-4									

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-59
STATION: 1203+00 RT 30'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +18.3 ft.
DATE DRILLED: 4-18-13
GR. WATER DEPTH: 17.5 ft.
DELAY GR. WATER DEPTH: 15.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40		A-2-4	Medium dense, fine to coarse grained, light brown		S-11	25					
			Boring Terminated at 40 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 28 to 30 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS
FROM TEXAS ST. (EXIT 25A) TO
WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 23 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-60
STATION: 1205+00 LT 20'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +27.6 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 24.7 ft.
DELAY GR. WATER DEPTH: 19.5 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 8" of Topsoil		S-1	7					
25		A-2-4	SILTY SAND (SM), loose, fine to coarse grained, red and brown		S-2	18					
			Medium dense, red		S-3	20					
5		A-4	CLAYEY SAND (SC), medium dense, fine grained, red		S-4	20	A-4(0)	16.9	23	10	38.0
20			SILTY SAND (SM), medium dense, fine to coarse grained, red and gray		S-5	13	A-2-4(0)	14.5	NP	NP	19.7
10											
15			Medium dense		S-6	27					
15											
10			Medium dense		S-7	27					
20		A-2-4									
5			Very loose		S-8	2					
25											
0			Very loose, fine grained, gray		S-9	3	A-2-4(0)	27.1	NP	NP	29.9
30											
-5			LEAN CLAY with SAND (CL), stiff, gray		S10T1	10	A-6(12)	42.7	39	18	74.2
35		A-6									
-10											

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-60
STATION: 1205+00 LT 20'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +27.6 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 24.7 ft.
DELAY GR. WATER DEPTH: 19.5 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40			Hard		S-11	41					
		A-3	POORLY GRADED SAND (SP), dense, fine grained, light brown								
			Boring Terminated at 40 ft.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 33.5 to 35.5 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-61
STATION: 1207+00 LT 25'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +27.8 ft.
DATE DRILLED: 4-11-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			SILTY SAND with GRAVEL (SM), medium dense, fine to coarse grained, red and brown		S-1	15					
25			Medium dense, red, with trace shell fragments		S-2	15	A-2-4(0)	9.3	NP	NP	18.3
			Loose		S-3	8					
5											
20			SILTY CLAYEY SAND (SC-SM) medium dense, fine to coarse grained, red		S-4	25	A-2-4(0)	13.3	23	5	30.6
			Medium dense		S-5	14					
10		A-2-4									
15											
			SILTY SAND (SM), medium dense, fine to coarse grained, brown		S-6	23		13.6			26.8
15											
10											
			Medium dense, fine grained, gray		S-7	28					
20											
5											
25			Medium dense, with trace clay lenses		S-8	11					
0		A-2-4	Loose		S-9	5	A-2-4(0)	25.8	NP	NP	29.9
30											
-5		A-4	SANDY LEAN CLAY (CL), medium stiff, gray, with trace organics (wood)		S-10	15					
35			Boring Terminated at 35 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation
Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS
FROM TEXAS ST. (EXIT 25A) TO
WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 24 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-62
STATION: 1212+96 RT 10'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +23.5 ft.
DATE DRILLED: 4-11-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Dingler
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 2" of Asphalt		S-1	6					
			SILTY SAND (SM), loose, fine to coarse grained, red								
			Medium dense, with trace gravel		S-2	15	A-2-4(0)	12.7	NP	NP	23.2
20			Medium dense		S-3	16					
5		A-2-4									
			Medium dense		S-4	23	A-2-4(0)	12.9	NP	NP	32.6
15			Medium dense		S-5	13					
10			Boring Terminated at 10 ft.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-63
STATION: 1301+99 RT 25'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.8 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 2.4 ft.
DELAY GR. WATER DEPTH: 4.5 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 6" of Topsoil		S-1	8					
			SILTY SAND (SM), loose, fine grained, dark brown and red								
			Medium dense, dark red and light gray		S-2	20	A-2-4(0)	14.3	NP	NP	27.6
10			Medium dense		S-3	13					
5			Medium dense, light gray		S-4	13	A-2-4(0)	20.3	NP	NP	14.7
		A-2-4									
-5			Very loose, dark gray		S-5	3	A-2-4(0)	29.6	NP	NP	27.6
10											
0			Very loose, with trace organics		S-6	WOH					
15											
-5		A-7-5	ELASTIC SILT (MH), soft, dark gray and black, with trace organics (wood)		S-7	4	A-7-5(68)	104.2	119	63	86.5
20											
-10			POORLY GRADED SAND (SP), loose, fine to coarse grained, light brown and tan		S-8	9	A-3	24.4	NP	NP	2.0
25											
-15			No Recovery		S-9	26					
30		A-3									
-20			Medium dense, very light brown		S-10	20	A-3	23.1	NP	NP	3.5
35											
-25											

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-63
STATION: 1301+99 RT 25'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.8 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 2.4 ft.
DELAY GR. WATER DEPTH: 4.5 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40		A-3	Dense, brown and white		S-11	34					
			Boring Terminated at 40 ft.								
			Note: Boring offset from original station 1302+00 RT 30'.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 25 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-64
STATION: 1303+97 LT 3'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.2 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 12.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
			SILTY SAND (SM), medium dense, fine to coarse grained, brown		S-1	19					
10			Loose, light brown, with trace organics		S-2	8	A-2-4(0)	14.4	NP	NP	21.3
			Dense, red and brown, with trace gravel		S-3	45					
5		A-2-4	Very dense, gray		S-4	50/6"					
			No Recovery			2					
10											
0			SANDY SILT (ML), very soft, gray		S-5	WOH	A-4(0)	26.4	NP	NP	54.7
15											
-5		A-4	Soft		S-6	2					
20											
-10			Soft		S-7	4					
25											
-15		A-3	POORLY GRADED SAND with SILT (SP-SM), medium dense, fine grained, light brown		S-8	16	A-3	23.3	NP	NP	8.0
30			Boring Terminated at 30 ft.								
			Note: Boring offset from original station 1304+00 CL.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-65
STATION: 1306+00 LT 10'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +13.1 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 25.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Asphalt								
			SILTY SAND (SM), medium dense, fine grained, red		S-1	24					
10			Very dense, gray, with trace gravel		S-2	50	A-2-4(0)	10.0	NP	NP	18.4
			Medium dense		S-3	17					
5			POORLY GRADED SAND with SILT (SP-SM), medium dense, fine grained, gray		S-4	16	A-2-4(0)	21.4	NP	NP	11.6
		A-2-4	Very loose		S-5	4					
10											
0			Very loose		S-6	WOH					
15											
-5			LEAN CLAY with SAND (CL), very soft, gray		S-7	WOH	A-6(11)	46.0	38	16	74.4
20		A-6									
-10			Medium stiff		S-8	10					
25											
-15			POORLY GRADED SAND (SP), loose, fine to coarse grained, light brown		S-9	10					
30											
-20		A-3	Medium dense		S-10	11					
35											
-25											

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-65
STATION: 1306+00 LT 10'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +13.1 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 25.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40			Medium dense		S-11	21	A-3	23.6	NP	NP	2.0
-30		A-3	Medium dense, white		S-12	27					
45											
-35			Medium dense		S-13	30					
50			Boring Terminated at 50 ft.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER

DATE :
6/06/2013

APPROVED :
DIVISION MATERIALS ENGINEER

DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 26 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-66
STATION: 1307+96 LT 7'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.7 ft.
DATE DRILLED: 5-8-13
GR. WATER DEPTH: 1.9 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 3" of Asphalt								
10			SILTY SAND with GRAVEL (SM), medium dense, fine to coarse grained, red, with GRAVEL		S-1	19	A-2-4	9.3	NP	NP	18.9
			Medium dense, fine grained, brown		S-2	24					
5			Medium dense, gray		S-3	11	A-2-4(0)	23.6	NP	NP	14.1
			Loose, with trace organics (wood)		S-4	10					
		A-2-4									
10			Very loose, with trace clay lenses		S-5	4					
0											
15			Very loose		S-6	4	A-2-4(0)	27.8	NP	NP	25.5
-5		A-7-6	FAT CLAY (CH), soft, gray, with 6" of organics (wood)		S-7	4					
20											
-10			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, light brown		S-8	9	A-3	59.1	NP	NP	8.9
25											
-15			Medium dense, light brown and light gray, with trace clay lenses		S-9	13					
30		A-3									
-20			POORLY GRADED SAND (SP), medium dense, fine to coarse grained, light brown		S-10	16	A-3	24.8	NP	NP	3.8
35											
-25											

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-66
STATION: 1307+96 LT 7'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.7 ft.
DATE DRILLED: 5-8-13
GR. WATER DEPTH: 1.9 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40			Medium dense		S-11	18					
-30											
45		A-3	Medium dense		S-12	17					
-35											
50			Medium dense, white		S-13	24					
			Boring Terminated at 50 ft.								
			Note: Boring offset from original station 1308+00 CL.								

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

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RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-67
STATION: 1310+00 LT 10'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +13.2 ft.
DATE DRILLED: 5-7-13
GR. WATER DEPTH: 2.9 ft.
DELAY GR. WATER DEPTH: 9.8 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 5" of Topsoil								
10			SILTY SAND (SM), medium dense, fine grained, brown		S-1	20					
			Medium dense		S-2	28	A-2-4(0)	11.5	NP	NP	31.3
5		A-2-4	Medium dense, gray		S-3	25					
			Medium dense		S-4	28					
10			CLAYEY SAND (SC), very loose, fine grained, gray		S-5	2	A-6(6)	38.1	36	21	48.1
0											
15		A-6	Very loose		S-6	WOH					
-5			Very loose, with trace organics (wood)		S-7	4					
20											
-10			SILTY SAND (SM), very loose, , fine grained, light brown, with trace gravel and organics (wood)		S-8	2	A-2-4(0)	36.8	NP	NP	16.3
25		A-2-4									
-15			POORLY GRADED SAND (SP) medium dense, fine to coarse grained, light brown		S-9	23					
30											
-20		A-3	Medium dense		S-10	14					
35											
-25											

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD

Groundwater Table, Delay

HSA - Hollow Stem Auger

SSA - Solid Stem Auger

MR - Mud Rotary

NO - Not Obtained

NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER

DATE :
6/06/2013

APPROVED :

DIVISION MATERIALS ENGINEER

DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 27 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-67
STATION: 1310+00 LT 10'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +13.2 ft.
DATE DRILLED: 5-7-13
GR. WATER DEPTH: 2.9 ft.
DELAY GR. WATER DEPTH: 9.8 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40		A-3	Medium dense		S-11	18					
-30											
45			Dense		S-12	36	A-3	19.9	NP	NP	1.8
-35											
50			Medium dense		S-13	24					
			Boring Terminated at 50 ft.								

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

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RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-68
STATION: 321+00 LT 20'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +22.1 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 5" of Topsoil		S-1	4					
20			SILTY SAND (SM), very loose, fine to coarse grained, brown Loose, red		S-2	5	A-2-4(0)	7.2	NP	NP	14.7
			Medium dense		S-3	16					
5		A-2-4	POORLY GRADED SAND with SILT (SP-SM), medium dense, fine to coarse grained, red		S-4	22	A-2-4(0)	6.9	NP	NP	11.4
15											
10			Medium dense		S-5	22					
			Boring Terminated at 10 ft.								
			Note: Boring offset from original station 321+00 Lt 10'.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-69
STATION: 324+00 RT 10'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +22.9 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	9	A-2-4(0)	11.1	NP	NP	19.6
20			SILTY SAND with GRAVEL (SM), loose, fine to coarse grained, brown No Recovery			9					
			Loose, red		S-2	10	A-2-4(0)	7.6	NP	NP	13.5
5		A-2-4	Loose		S-3	10					
15											
10			POORLY GRADED SAND with SILT (SP-SM), fine to coarse grained, red		S-4	24					
			Boring Terminated at 10 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS
FROM TEXAS ST. (EXIT 25A) TO
WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 28 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-70
STATION: 153+95 LT 59'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +15.7 ft.
DATE DRILLED: 4-30-13
GR. WATER DEPTH: N.O.
DELAY GR. WATER DEPTH: 11.7 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 15			Approximately 17" of Topsoil		S-1	9					
			SILTY SAND (SM), loose, fine grained, brown		S-2	19	A-2-4(0)	11.5	NP	NP	20.7
			Medium dense, red and brown								
			Medium dense, red and gray		S-3	24	A-2-4(0)	11.8	NP	NP	23.6
5 / 10			Medium dense, light brown		S-4	26					
		A-2-4									
10 / 5			Loose, light gray		S-5	10	A-2-4(0)	19.4	NP	NP	12.7
15 / 0			Very loose, gray		S-6	2					
		A-6	LEAN CLAY with SAND (CL), very soft, dark gray		S-7	WOH	A-6(11)	66.7	37	19	70.3
20 / -5											
			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, light gray		S-8	5	A-2-4(0)	23.8	NP	NP	10.9
25 / -10		A-2-4									
			Loose, gray, with clay lenses		S-9	8					
30 / -15			POORLY GRADED SAND (SP), loose, fine grained, light brown								
35 / -20		A-3	Medium dense, light gray		S-10	30					

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-70
STATION: 153+95 LT 59'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +15.7 ft.
DATE DRILLED: 4-30-13
GR. WATER DEPTH: N.O.
DELAY GR. WATER DEPTH: 11.7 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40		A-3	Dense, light brown		S-11	31	A-3	27.7	NP	NP	4.3
			Boring Terminated at 40 ft.								
			Note: Boring offset from original station 154+00 LT 62'.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-71
STATION: 157+06 LT 77'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.8 ft.
DATE DRILLED: 5-1-13
GR. WATER DEPTH: 8.9 ft.
DELAY GR. WATER DEPTH: 8.8 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 9" of Topsoil		S-1	9					
10		A-2-4	SILTY SAND (SM), loose, fine grained, dark brown, with trace organics		S-2	6	A-2-4(0)	10.0	NP	NP	14.7
			Loose, brown, with trace gravel								
		A-7-6	FAT CLAY (CH), medium stiff, gray		S-3	7					
5		A-2-4	SILTY SAND with GRAVEL (SM), loose, fine to coarse grained, light brown		S-4	12	A-2-4(0)	14.2	NP	NP	17.3
			Medium dense								
10 / 5											
		A-4	SILTY SAND (SM), very loose, fine grained, gray		S-5	3	A-4(0)	26.8	NP	NP	39.9
0											
15 / -5			SILTY SAND (SM), loose, fine grained, red and gray		S-6	5	A-2-4(0)	39.1	NP	NP	24.8
		A-2-4	Loose, light brown		S-7	9					
20 / -10											
			Loose		S-8	9	A-2-4(0)	24.2	NP	NP	12.8
25			Boring Terminated at 25 ft.								
			Note: Boring offset from original station 157+00 Lt 60'.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 29 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-72
STATION: 159+00 LT 67'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.1 ft.
DATE DRILLED: 5-7-13
GR. WATER DEPTH: 9.4 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 2" of Asphalt								
			POORLY GRADED SAND with SILT (SP-SM), medium dense, fine to coarse grained, light brown		S-1	18					
			Medium dense, with trace gravel		S-2	23	A-3	4.4	NP	NP	9.3
			Loose		S-3	10					
5		A-3	Loose		S-4	6					
10			Loose, light brown		S-5	8					
			SILTY SAND (SM), loose, fine grained, brown								
			Loose		S-6	8	A-2-4(0)	15.8	NP	NP	26.3
15		A-2-4	Loose, light brown, with trace clay lenses		S-7	7					
20			SILTY, CLAYEY SAND (SC-SM), medium dense, fine grained, light brown		S-8	15	A-2-4(0)	23.6	18	4	13.1
			POORLY GRADED SAND (SP), medium dense, fine to coarse grained, light brown		S-9	20					
30		A-3	Dense		S-10	33					
35											

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-72
STATION: 159+00 LT 67'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.1 ft.
DATE DRILLED: 5-7-13
GR. WATER DEPTH: 9.4 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40			Medium dense		S-11	22	A-3	25.5	NP	NP	1.7
-30		A-3									
45			Medium dense		S-12	21					
			Boring Terminated at 45 ft.								
			Note: Boring offset from original station 159+00 LT 49, 93'.								

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-73
STATION: 317+75 RT 17'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.1 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 5.1 ft.
DELAY GR. WATER DEPTH: 5.6 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil								
10			SILTY SAND (SM), medium dense, fine grained, red, with trace gravel		S-1	12					
			Medium dense, light brown		S-2	11	A-2-4(0)	10.8	NP	NP	13.5
			Loose		S-3	7					
5		A-2-4	Loose, with trace clay		S-4	5					
10			Very loose, gray		S-5	WOH	A-2-4(0)	27.3	NP	NP	31.2
0											
15		A-7-6	FAT CLAY (CH), very soft, gray and brown, with trace organics		S-6	1					
-5			Gray, with trace sand lenses		T-1						
			CLAYEY SAND (SC), fine grained, gray								
			SILTY SAND (SM), loose, fine grained, light brown		S-7	6					
20		A-2-4									
-10			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, light brown		S-8	10					
25											
-15		A-3	Loose		S-9	5	A-3	24.6	NP	NP	10.4
30											
-20			Medium dense		S-10	11					
35			Boring Terminated at 35 ft.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS
FROM TEXAS ST. (EXIT 25A) TO
WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 30 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-74
STATION: 319+55 RT 43'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +9.0 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: N.E.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 7" of Asphalt and Base Material								
			SILTY SAND (SM), loose, fine grained, light brown		S-1	8					
5			Very loose		S-2	1	A-2-4(0)	23.1	NP	NP	15.0
			Very loose		S-3	WOH	A-2-4(0)	24.9	NP	NP	28.9
10		A-2-4	Very loose, gray		S-4	WOH					
			Very loose		S-5	WOH	A-2-4(0)	35.8	NP	NP	35.7
15			POORLY GRADED SAND (SP), very loose, fine grained, light brown		S-6	4					
20		A-3	Medium dense		S-7	24					
			Medium dense		S-8	26					
25			Boring Terminated at 30 ft.								
30			Note: Boring offset from original station 319+60 RT 27'.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-75
STATION: 321+48 RT 65'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +8.5 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 4.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 8" of Asphalt and Base Material								
			SILTY SAND (SM), very loose, fine grained, brown		S-1	3					
5			Loose		S-2	8	A-2-4(0)	29.4	NP	NP	14.8
			Very loose		S-3	2					
			Very loose		S-4	3					
10			POORLY GRADED SAND with SILT (SP-SM), very loose, fine grained, gray		S-5	4	A-2-4(0)	20.6	NP	NP	11.9
		A-2-4	CLAYEY SAND (SC), fine grained, gray		T-1						
15			Loose		S-6	6					
20			Loose, brown		S-7	10					
		A-6	SANDY LEAN CLAY (CL), very stiff, brown		S-8	22		32.5			54.4
25		A-3	POORLY GRADED SAND (SP), medium stiff, fine grained, light brown		S-9	24					
30			Boring Terminated at 30 ft.								
			Note: Boring offset from orignal station 321+50 RT 49'.								

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-76
STATION: STA 323+37 RT 63'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.9 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 8.0 ft.
DELAY GR. WATER DEPTH: 5.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	7	A-2-4(0)	18.3	NP	NP	21.6
10			SILTY SAND (SM), loose, fine grained, red and brown		S-2	19					
			Medium dense								
			Medium dense, gray		S-3	13	A-2-4(0)	13.8	NP	NP	16.2
5			Loose		S-4	9					
		A-2-4	Very loose, dark brown		S-5	3					
10			Very loose, gray		S-6	3					
15		A-7-6	FAT CLAY (CH), soft, gray and brown, with trace organics		T-1						
			No Recovery								
20		A-2-4	SILTY SAND (SM), loose, fine grained, gray		S-7	8					
		A-3	POORLY GRADED SAND with SILT (SP-SM), dense, fine grained, light brown		S-8	37	A-3	24.4	NP	NP	9.5
25			Medium dense, light brown		S-9	23					
30			Boring Terminated at 30 ft.								
			Note: Boring offset from original station 323+35 RT 69'.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay

HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 31 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-100
STATION: 410+87 RT 57'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.7 ft.
DATE DRILLED: 5-16-13
GR. WATER DEPTH: 4.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 10			Approximately 4" of Topsoil		S-1	18					
			SILTY SAND with GRAVEL (SM), medium dense, fine to coarse grained, brown		S-2	22	A-2-4(0)	8.7	NP	NP	16.5
			Medium dense, red, with shell fragments								
5 / 5			Loose, gray		S-3	6					
		A-2-4									
			CLAYEY SAND (SC), very loose, fine grained, gray		S-4	WOH					
10 / 0											
			FAT CLAY (CH), very soft, gray, with trace organics (wood)		S-5	WOH					
15 / -5		A-7-6									
			POORLY GRADED SAND with SILT (SP-SM), dense, fine to coarse grained, brown		S-6	33					
20 / -10											
			Dense, light brown		S-7	36	A-3	25.0	NP	NP	9.6
25 / -15											
		A-3	Medium dense		S-8	28					
30 / -20											
			Medium dense, with 2" clay seam		S-9	18					
35 / -25											

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

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: B-100
STATION: 410+87 RT 57'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.7 ft.
DATE DRILLED: 5-16-13
GR. WATER DEPTH: 4.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 55 Truck Rig
DRILLER: ALDOT - Russell
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40 / -30		A-3	Medium dense, brown, with 1" clay seam		S-10	11	A-3	26.6	NP	NP	7.5
			Dense, light brown		S-11	42					
45			Boring Terminated at 45 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 32 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-1
STATION: 139+95 LT 41'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.2 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 10.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA & Mud Rotary
HAMMER TYPE: Automatic

DEPTH/ ELEV.	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0		Approximately 8" of Topsoil								
10	A-3	POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, black and dark brown	■	S-1	5					
5		Loose, gray	■	S-2	7	A-3	20.9	NP	NP	9.0
5	A-2-4	SILTY SAND (SM), very loose, fine grained, dark gray	■	S-3	WOH					
0		Very loose	■	S-4	2	A-2-4(0)	25.6	NP	NP	30.4
15	A-6	LEAN CLAY with SAND (CL), stiff, dark gray to dark brown	■	S-5	15	A-6(13)	36.5	35	19	76.6
-10										
25	A-3	POORLY GRADED SAND (SP), medium dense, fine to coarse grained, white and yellowish brown	■	S-6	26					
-15		Medium dense	■	S-7	24					
30										
-20		Medium dense, white	■	S-8	25	A-3	21.3	NP	NP	0.1
35										
-25										

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-1
STATION: 139+95 LT 41'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.2 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 10.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA & Mud Rotary
HAMMER TYPE: Automatic

DEPTH/ ELEV.	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40		Dense	■	S-9	48					
-30										
45		Medium dense	■	S-10	21					
-35										
50		Medium dense	■	S-11	23					
-40										
55	A-3	Medium dense	■	S-12	21	A-3	18.5	NP	NP	2.5
-45										
60		Dense	■	S-13	38					
-50										
65		Medium dense	■	S-14	21					
-55										
70		Medium dense, tan	■	S-15	17					
-60										
75		Dense, reddish tan	■	S-16	41					
-65										

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-1
STATION: 139+95 LT 41'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +12.2 ft.
DATE DRILLED: 5-15-13
GR. WATER DEPTH: 10.0 ft.
DELAY GR. WATER DEPTH: N.O.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA & Mud Rotary
HAMMER TYPE: Automatic

DEPTH/ ELEV.	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
80	A-7-6	FAT CLAY with SAND (CH), stiff, dark gray, with trace mica	■	S-17	12	A-7-6(28)	34.1	50	36	78.9
-70										
85	A-1-b	SILTY SAND (SM), medium dense, coarse to fine grained, reddish yellowish brown, with trace gravel	■	S-18	28	A-1-b	22.7	NP	NP	18.7
-75										
90	A-4	SILTY SAND (SM), medium dense, fine grained, dark gray	■	S-19	16	A-4(0)	27.7	NP	NP	39.2
-80										
95	A-7-6	FAT CLAY (CH), stiff, dark gray, with trace mica	■	S-20	11					
-85										
100		Stiff, bluish gray	■	S-21	10					
-90										
105	A-4									
-95										
110		SILTY SAND (SM), dense, fine grained, gray to light gray	■	S-22	40	A-4(0)	25.2	NP	NP	44.9
		Boring Terminated at 111.5 ft.								
		Note: Boring offset from original station 139+74.02 LT 45'.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

$$\frac{\text{RC \%}}{\text{RQD \%}} = \frac{\text{Recovery}}{\text{Rock Quality Designation}}$$

- Groundwater Table, ATD
- Groundwater Table, Delay
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- MR - Mud Rotary
- NO - Not Obtained
- NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 33 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-2
STATION: 139+74 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.7 ft.
DATE DRILLED: 4-24-13
GR. WATER DEPTH: 8.6 ft.
DELAY GR. WATER DEPTH: 8.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 4" SSA and Mud Rotary
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 2" of Topsoil		S-1	16					
10		A-2-4	SILTY SAND (SM), medium dense, fine grained, dark brown and black, with trace gravel		S-2	22	A-2-4(0)	16.1	NP	NP	15.1
			Medium dense, light gray								
5			Medium dense		S-3	17					
			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, gray		S-4	7	A-2-4(0)	20.9	NP	NP	11.1
10		A-4	SILTY SAND (SM), very loose, fine grained, gray		S-5	WOH	A-4(0)	25.3	NP	NP	38.2
0											
15		A-7-6	FAT CLAY (CH), soft, dark gray		S-6	2					
-5											
20		A-2-4	SILTY SAND (SM), very loose, fine grained, yellowish brown and very light gray		S-7	4	A-2-4(0)	25.6	NP	NP	32.8
-10											
25			Medium dense		S-8	20					
-15											
30			POORLY GRADED SAND with SILT (SP-SM), medium dense, fine to coarse grained, light gray and white		S-9	19					
-20		A-3									
35			Medium dense, white		S-10	25	A-3	18.1	NP	NP	5.4
-25											

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-2
STATION: 139+74 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.7 ft.
DATE DRILLED: 4-24-13
GR. WATER DEPTH: 8.6 ft.
DELAY GR. WATER DEPTH: 8.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 4" SSA and Mud Rotary
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40			Medium dense		S-11	22					
-30											
45			Medium dense		S-12	16					
-35											
50			Medium dense		S-13	30					
-40		A-3									
55			POORLY GRADED SAND (SP), medium dense, fine to coarse grained, white, with trace gravel		S-14	26	A-3	21.4	NP	NP	4.2
-45											
60			Medium dense		S-15	30					
-50											
65			Dense		S-16	31					
-55											
70			SILTY SAND (SM), medium dense, coarse to fine grained, yellowish brown, with gravel		S-17	23	A-1-b	15.8	NP	NP	21.4
-60		A-1-b									
75			Medium dense		S-18	21					
-65											

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-2
STATION: 139+74 CL
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.7 ft.
DATE DRILLED: 4-24-13
GR. WATER DEPTH: 8.6 ft.
DELAY GR. WATER DEPTH: 8.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 4" SSA and Mud Rotary
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
80			Medium dense		S-19	26					
-70		A-1-b									
85			Medium dense, light brown, with trace gravel		S-20	28	A-1-b	18.0	NP	NP	3.6
-75		A-2-4									
90			CLAYEY SAND with GRAVEL (SC), medium dense, fine to coarse grained, dark gray		S-21	14	A-2-4(0)	30.1	23	10	25.5
			Boring Terminated at 90 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 34 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-3
STATION: 139+95 RT 74'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.9 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 7.4 ft.
DELAY GR. WATER DEPTH: 7.3 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 10			Approximately 3" of Topsoil		S-1	22					
			POORLY GRADED SAND with SILT (SP-SM), medium dense, fine grained, black, with trace organics		S-2	15					
			Medium dense, black to gray to red								
			Medium dense, gray		S-3	11	A-2-4(0)	21.8	NP	NP	10.9
5 / 5		A-2-4	No Sample		S-4						
			Very loose, with trace mica		S-5	2					
10 / 0			SANDY LEAN CLAY (CL), soft, gray, with trace organics (wood)		S-6	2	A-6(7)	43.7	35	17	56.6
15 / -5		A-6	Soft, with trace organics (wood)		S-7	4					
20 / -10			POORLY GRADED SAND (SP), medium dense, fine to coarse grained, red to brownish white		S-8	12					
25 / -15		A-3	Medium dense		S-9	26	A-3	22.4	NP	NP	4.8
30 / -20			Medium dense, white		S-10	22					
35 / -25											

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

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-3
STATION: 139+95 RT 74'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.9 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 7.4 ft.
DELAY GR. WATER DEPTH: 7.3 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40 / -30			Medium dense		S-11	16					
45 / -35			No Recovery		S-12	10					
50 / -40			Medium dense, brownish white		S-13	29					
55 / -45		A-3	Medium dense		S-14	24					
60 / -50			Medium dense		S-15	22					
65 / -55			Medium dense, brownish		S-16	15					
70 / -60		A-1-b	POORLY GRADED SAND with SILT (SP-SM), very loose, coarse to fine grained, brown, with trace gravel		S-17	3	A-1-b	20.1	NP	NP	9.2
75 / -65			Medium dense		S-18	18					

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-3
STATION: 139+95 RT 74'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.9 ft.
DATE DRILLED: 5-14-13
GR. WATER DEPTH: 7.4 ft.
DELAY GR. WATER DEPTH: 7.3 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
80 / -70			Medium dense, reddish brown		S-19	19					
85 / -75		A-1-b	No Recovery		S-20	22					
90 / -80			Medium dense, brown		S-21	16					
95 / -85		A-4	SANDY LEAN CLAY (CL), stiff, dark gray		S-22	15	A-4(2)	59.4	29	8	55.9
100			Medium dense		S-23	15					
			Boring Terminated at 100 ft.								
			Note: Boring offset from original station 139+74.02 LT 45'.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED : SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 35 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-4
STATION: 141+26 LT 46'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.9 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 6.1 ft.
DELAY GR. WATER DEPTH: 7.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 4" of Topsoil		S-1	6					
10			SILTY SAND (SM), loose, fine grained, black and grayish brown		S-2	2	A-2-4(0)	18.9	NP	NP	15.1
			Very loose, tan and grayish brown, with trace gravel								
5			Very loose, dark gray, with trace gravel		S-3	WOH	A-2-4(0)	24.2	NP	NP	12.7
5		A-2-4	Very loose		S-4	2					
10											
0			Very loose, gray		S-5	1	A-2-4(0)	33.6	NP	NP	27.6
15											
-5			SANDY FAT CLAY (CH), dark gray and brown		S6/T1	6	A-7-6(35)	56.4	77	50	70.3
		A-7-6	FAT CLAY (CH), medium stiff, dark gray and brown				A-7-6(52)	55.3 31.5	83 39	55 16	85.4 79.1
20											
-10			POORLY GRADED SAND with SILT (SP-SM), fine to coarse grained, orangish brown, with trace gravel		S-7	9					
25											
-15		A-2-4	Medium dense, tan and dark brown		S-8	16	A-2-4(0)	23.4	NP	NP	11.7
30											
-20			Medium dense		S-9	18					
35											
-25		A-3									

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-4
STATION: 141+26 LT 46'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.9 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 6.1 ft.
DELAY GR. WATER DEPTH: 7.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40			Medium dense, POORLY GRADED SAND (SP), fine to coarse grained, very light gray and white		S-10	20	A-3	19.4	NP	NP	3.1
-30											
45			Dense, light brown and tan, with trace gravel		S-11	42					
-35											
50			Medium dense		S-12	19	A-3	23.2	NP	NP	2.8
-40		A-3									
55			Medium dense		S-13	20					
-45											
60			Medium dense, tan, with trace gravel		S-14	14					
-50											
65			Loose, light gray		S-15	10					
-55											
70			POORLY GRADED SAND (SP), medium dense, coarse to fine grained, light gray, with GRAVEL		S-16	24	A-1-b	17.5	NP	NP	3.3
-60		A-1-b									
75			Medium dense		S-17	12					
-65											

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thompson ENGINEERING

RECORD OF TEST BORING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-4
STATION: 141+26 LT 46'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.9 ft.
DATE DRILLED: 4-10-13
GR. WATER DEPTH: 6.1 ft.
DELAY GR. WATER DEPTH: 7.9 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
80											
		A-1-b	Medium dense, orangish brown		S-18	16					
-70											
85			FAT CLAY with SAND (CH), medium stiff, bluish dark gray		S-19	6	A-7-6(34)	41.1	63	43	78.0
-75											
90			Stiff		S-20	13					
-80		A-7-6									
95			Stiff, with trace mica		S-21	13	A-7-6(30)	38.6	65	39	73.9
-85											
100			Stiff, with trace mica		S-22	15					
			Boring Terminated at 100 ft.								
			Note: Boring offset from original station 141+16.5 LT 45'.								
			Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 18 to 20 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 36 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-5
STATION: 141+26 LT 6'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.5 ft.
DATE DRILLED: 4-10-13 & 4-11-13
GR. WATER DEPTH: 9.1 ft.
DELAY GR. WATER DEPTH: 9.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0			Approximately 6" of Topsoil		S-1	20					
10		A-2-4	SILTY SAND (SM), medium dense, fine grained, black and dark brown to light brown Medium dense		S-2	14	A-2-4(0)	15.8	NP	NP	15.2
			Loose, brown		S-3	10					
5			POORLY GRADED SAND with SILT (SP-SM), loose, fine grained, dark gray, with trace organics (wood)		S-4	5	A-3	25.1	NP	NP	9.8
		A-3	Very loose, with trace organics (wood)		S-5	2					
10											
0			FAT CLAY (CH),very soft, gray, with trace organics (wood) and mica		S-6	WOH					
15		A-7-6									
-5			Soft, light gray		S-7	4	A-7-6(32)	26.5	50	33	92.0
20											
-10			SILTY SAND (SM), medium dense, fine grained, white		S-8	18					
25											
-15			Medium dense, orangish brown		S-9	26	A-2-4(0)	24.1	NP	NP	14.2
30		A-2-4									
-20			Medium dense, brownish white		S-10	23					
35											
-25											

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-5
STATION: 141+26 LT 6'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.5 ft.
DATE DRILLED: 4-10-13 & 4-11-13
GR. WATER DEPTH: 9.1 ft.
DELAY GR. WATER DEPTH: 9.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40			Medium dense		S-11	11					
-30		A-2-4									
45			Medium dense		S-12	27					
-35											
50			POORLY GRADED SAND with SILT (SP-SM), medium dense, fine to coarse grained, brownish white		S-13	25	A-3	20.7	NP	NP	7.4
-40											
			No Recovery		S-14	28					
55		A-3									
-45			Medium dense		S-15	24					
60											
-50			WELL GRADED SAND with SILT and GRAVEL (SW-SM), dense, coarse to fine grained, brownish white, with some GRAVEL		S-16	33					
65											
-55			Medium dense		S-17	12	A-1-b	19.8	NP	NP	9.8
70		A-1-b									
-60			POORLY GRADED SAND (SP), medium dense, coarse to fine grained, brownish white and orangish yellowish brown		S-18	21	A-1-b	23.8	NP	NP	2.6
75											
-65											

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-5
STATION: 141+26 LT 6'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +11.5 ft.
DATE DRILLED: 4-10-13 & 4-11-13
GR. WATER DEPTH: 9.1 ft.
DELAY GR. WATER DEPTH: 9.4 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
80			Medium dense, orangish brown		S-19	22					
-70		A-1-b									
85			Medium dense, light reddish brown		S-20	22					
-75											
90			FAT CLAY (CH), stiff, dark gray, with trace sand and trace mica		S-21	12	A-7-6(38)	42.8	65	40	85.8
-80		A-7-6									
			Medium stiff		S-22	8					
95											
-85			FAT CLAY (CH), stiff, dark bluish gray, with trace shell and mica		S-23	10	A-7-5(51)	39.9	77	47	93.4
100		A-7-5	Boring Terminated at 100 ft.								
			Note: Boring offset from original station 141+16.5 CL.								

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

STRATA SYMBOLS

- A-1-a
- A-1-b
- A-2-4
- A-2-5
- A-2-6
- A-2-7
- A-3
- A-4
- A-5
- A-6
- A-7-5
- A-7-6
- A-8
- Topsoil
- Asphalt
- Limestone
- S - SPT Sample
- T - Shelby Tube Sample
- RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay

HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
NE - Not Encountered

Alabama Department of Transportation

thompson ENGINEERING
2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE : 6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS
FROM TEXAS ST. (EXIT 25A) TO
WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 37 of 38

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER

RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-6
STATION: 140+98 RT 70'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.9 ft.
DATE DRILLED: 4-16-13
GR. WATER DEPTH: 7.8 ft.
DELAY GR. WATER DEPTH: 5.6 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
0 / 10		A-2-4	Approximately 18" of Topsoil Medium dense, SILTY SAND (SM), fine grained, brown		S-1	17	A-2-4(0)	14.1	NP	NP	19.2
					S-2	22					
			Medium dense, gray, with trace shell fragments Medium dense, brown and gray		S-3	15					
5 / 5			Medium dense		S-4	12					
			Loose		S-5	2		28.2			30.8
10 / 0		A-7-5	SANDY LEAN CLAY (CL), soft, gray, with trace organics (wood)		S-6	2					
15 / -5			Very stiff		T-1 S-7	16					
20 / -10		A-2-4	Medium dense, POORLY GRADED SAND with SILT (SP-SM), fine to coarse grained, brown								
			No Recovery		S-8	30					
25 / -15											
30 / -20			Medium dense, POORLY GRADED SAND (SP), fine to coarse grained, white		S-9	18					
		A-3									
35 / -25			Medium dense		S-10	14	A-3	25.5	NP	NP	4.0

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-6
STATION: 140+98 RT 70'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.9 ft.
DATE DRILLED: 4-16-13
GR. WATER DEPTH: 7.8 ft.
DELAY GR. WATER DEPTH: 5.6 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
40 / -30		A-3	Loose, fine grained, white, with 6" clay layer		S-11	10					
45 / -35			Medium dense		S-12	19					
			No sample		S-13						
50 / -40			Medium dense		S-14	11					
55 / -45			Medium dense, coarse to fine grained		S-15	16					
60 / -50			Loose, fine to coarse grained		S-16	10					
65 / -55			Medium dense		S-17	13					
70 / -60			Loose		S-18	10					
75 / -65											

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RECORD OF TEST BORING

thompson ENGINEERING

PROJECT: DPI-AL06(900) I-10 Interchange Modifications, Texas St. to West of Tunnel
BORING NO.: BR-6
STATION: 140+98 RT 70'
CLIENT: ALDOT
PROJECT NO.: 13-2123-0004
GROUND ELEVATION: +10.9 ft.
DATE DRILLED: 4-16-13
GR. WATER DEPTH: 7.8 ft.
DELAY GR. WATER DEPTH: 5.6 ft.
DRILL RIG: CME 550X
DRILLER: ALDOT - Roberson
DRILLING METHOD: 2 1/4" HSA
HAMMER TYPE: Automatic

DEPTH/ ELEV.	SYMBOL	AASHTO	SOIL DESCRIPTION	SAMPLE	SAMPLE I.D. NO.	N or REC/ RQD	AASHTO (GI)	WC	LL	PI	200
80 / -70		A-3	Loose, reddish brown		S-19	10					
85 / -75			Loose, reddish brown to dark gray		S-20	6					
			Medium dense		S-21	16					
90 / -80		A-7-6	FAT CLAY (CH), stiff, dark gray, with trace mica		S-22	9					
95 / -85			Stiff		S-23	10					
100			Boring Terminated at 100 ft. Note: Boring offset from original station 141+16.5 RT 50' Note: Offset boring and drilled for undisturbed samples (UD). UD collected at 18 to 20 ft.								

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

STRATA SYMBOLS

A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-3, A-4, A-5, A-6, A-7-5, A-7-6, A-8, Topsoil, Asphalt, Limestone

S - SPT Sample
T - Shelby Tube Sample
RC - Rock Core Sample

RC % / RQD % = Recovery / Rock Quality Designation

Groundwater Table, ATD
Groundwater Table, Delay
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
MR - Mud Rotary
NO - Not Obtained
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Alabama Department of Transportation

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2970 COTTAGE HILL RD.
MOBILE, AL 36606

APPROVED :
SAM STERNBERG III, P.E.
GEOTECHNICAL ENGINEER
DATE :
6/06/2013
APPROVED :
DIVISION MATERIALS ENGINEER
DATE :

PROJECT NO:
I-10 INTERCHANGE MODIFICATIONS FROM TEXAS ST. (EXIT 25A) TO WEST TUNNEL ENTRANCE
MOBILE COUNTY, ALABAMA

Preliminary Project No: DPI-AL06(900)

TEST BORING RECORD
Sheet 38 of 38

APPENDIX C
Laboratory Test Results

Soil Classification Summary
Topsoil Test Results
Resilient Modulus Test Result Summary
Los Angeles Abrasion Data (ALDOT Provided)

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 (if hydrometer data available) % Silt	% Clay	D50 (mm)	USCS	AASHTO Classification
113+01 RT 74'	B-1	S-1	0.3	9.4	NP	NP	NP	0.0	81.8	11.2	7.0	0.2777	SM	A-2-4(0)
		S-4	5.0	8.2	NP	NP	NP	0.0	83.9	13.0	3.1	0.2903	SM	A-2-4(0)
124+00 LT 65'	B-2	S-2	1.5	12.3	NP	NP	NP	0.6	82.0	17.4		0.1736	SM	A-2-4(0)
		S-4	5.0	17.8	NP	NP	NP	0.0	82.0	18.0		0.1841	SM	A-2-4(0)
		S-8	23.5	21.2	24	18	6	0.0	51.3	31.4	17.3	0.0767	SC-SM	A-4(0)
127+00 LT 70'	B-3	S-2	1.5	14.1	NP	NP	NP	0.2	79.9	19.9		0.1894	SM	A-2-4(0)
		S-6	13.5	29.5	NP	NP	NP	0.0	70.4	15.9	13.7	0.1448	SM	A-2-4(0)
		S-7	18.5	89.1	61	39	22	0.0	1.0	45.2	53.8	0.0043	MH	A-7-5(30)
127+00 RT 118'	B-4	S-1	0.3	11.0	NP	NP	NP	0.0	76.9	23.1		0.1995	SM	A-2-4(0)
		S-4	5.0	7.7	NP	NP	NP	0.5	84.3	15.2		0.3284	SM	A-2-4(0)
130+00 LT 70'	B-5	S-3	3.5	23.6	NP	NP	NP	0.0	86.8	13.2		0.1954	SM	A-2-4(0)
		S-6	13.5	130.3	54	28	26	0.0	20.4	25.8	53.8	0.0040	CH	A-7-6(23)
130+00 LT 30'	B-6	S-2	1.5	8.2	NP	NP	NP	0.2	79.3	20.5		0.2686	SM	A-2-4(0)
		S-4	5.0	10.0	NP	NP	NP	0.0	84.3	15.7		0.1851	SM	A-2-4(0)
133+00 LT 20'	B-7	S-2	1.5	10.0	NP	NP	NP	0.3	75.9	23.8		0.2656	SM	A-2-4(0)
		S-4	5.0	11.5	NP	NP	NP	0.6	71.7	27.7		0.2416	SM	A-2-4(0)
136+00 LT 50'	B-8	S-2	1.5	15.9	NP	NP	NP	0.0	79.6	16.5	3.9	0.1780	SM	A-2-4(0)
		S-7	18.5	26.4	NP	NP	NP	0.0	69.3	27.2	3.5	0.1472	SM	A-2-4(0)
		S8/T1	23.5	35.3	48	17	31	0.0	4.1	73.8	22.1	0.0305	CL	A-7-6(32)
136+05 RT 87'	B-9	S-2	3.0	13.8	NP	NP	NP	1.7	72.0	14.7	11.6	0.2112	SM	A-2-4(0)
		S-3	5.0	12.7	NP	NP	NP	1.2	80.3	18.5		0.2560	SM	A-2-4(0)
138+97.4 LT 95'	B-10	S-2	1.5	11.2	NP	NP	NP	0.0	78.9	15.3	5.8	0.2435	SM	A-2-4(0)
		S-6	13.5	26.2	NP	NP	NP	0.0	70.3	24.4	5.3	0.1548	SM	A-2-4(0)
		S-9	28.5	26.2	NP	NP	NP	0.0	94.3	5.7		0.2174	SP-SM	A-3
138+80 RT 11'	B-11	S-2	1.5	10.7	19	12	7	1.3	67.7	20.6	10.4	0.1645	SC-SM	A-2-4(0)
		S-4	5.0	14.4	NP	NP	NP	0.5	79.1	20.4		0.1998	SM	A-2-4(0)
142+89 RT 1'	B-12	S-3	3.5	20.9	NP	NP	NP	0.0	83.2	5.3	11.5	0.1813	SM	A-2-4(0)

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Soil Classification Summary

Alabama Department of Transportation
ALDOT Project No.: DPI-AL06 (900)
Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 % Silt (if hydrometer data available)	% Pass 200 % Clay (if hydrometer data available)	D50 (mm)	USCS	AASHTO Classification
142+89 RT 1'	B-12	S-6	13.5	45.4	96	43	53	0.0	27.7	38.2	34.1	0.0098	MH	A-7-5(42)
		S-8	23.5	23.6	18	14	4	0.0	86.9	9.5	3.6	0.2607	SM	A-2-4(0)
		S-9	28.5	21.2	NP	NP	NP	0.0	95.6	4.4		0.2184	SP	A-3
		S-12	41.0	18.5	NP	NP	NP	0.0	99.1	0.9		0.4141	SP	A-3
146+10 LT 49'	B-13	S-2	1.5	11.4	NP	NP	NP	2.3	77.0	20.7		0.1862	SM	A-2-4(0)
		S-6	13.5	23.8	NP	NP	NP	0.0	73.3	25.5	1.2	0.1533	SM	A-2-4(0)
		S-10	33.5	22.5	NP	NP	NP	0.6	88.9	10.5		0.2928	SP-SM	A-3
150+00 CL	B-14	S-1	0.5	11.2	NP	NP	NP	0.7	78.1	21.2		0.1921	SM	A-2-4(0)
		S-3	3.5	15.9	NP	NP	NP	1.1	73.4	25.5		0.2120	SM	A-2-4(0)
		S-6	13.5	6.2	NP	NP	NP	0.8	88.2	11.0		0.2769	SP-SM	A-2-4(0)
155+79 RT 42'	B-15	S-2	1.5	7.1	NP	NP	NP	27.6	55.5	16.9		0.3118	SM	A-2-4(0)
		S-4	7.0	9.3	NP	NP	NP	0.0	73.1	13.4	13.5	0.1918	SM	A-2-4(0)
801+00 LT 23'	B-16	S-2	2.0	9.9	NP	NP	NP	1.2	87.8	11.0		0.2017	SP-SM	A-2-4(0)
		S-4	5.0	14.6	NP	NP	NP	2.9	85.8	11.3		0.2031	SP-SM	A-2-4(0)
802+12 RT 4'	B-17	S-1	0.5	11.0	NP	NP	NP	5.9	84.1	10.0		0.2120	SP-SM	A-3
		S-3	3.5	15.0	NP	NP	NP	3.9	85.2	10.9		0.2279	SP-SM	A-2-4(0)
		S-4	5.0	18.0	NP	NP	NP	0.5	90.0	9.5		0.1983	SP-SM	A-3
805+16 RT 7'	B-18	S-1	0.5	9.1	NP	NP	NP	17.0	62.3	20.7		0.2643	SM	A-2-4(0)
		S-3	3.5	10.4	NP	NP	NP	1.8	88.1	10.1		0.2194	SP-SM	A-3
		S-5	8.5	26.3	NP	NP	NP	0.0	68.3	22.8	8.9	0.1436	SM	A-2-4(0)
807+18 RT 83'	B-19	S-2	1.5	10.5	NP	NP	NP	0.8	74.9	12.5	11.8	0.2141	SM	A-2-4(0)
808+00 LT 50'	B-20	S-1	0.3	16.7	NP	NP	NP	9.5	74.8	15.7		0.3502	SM	A-2-4(0)
		S-4	7.0	28.2	NP	NP	NP	37.7	28.7	33.6		0.3862	GM	A-2-4(0)
		S-7	18.5	63.1	87	33	54	0.0	3.1	55.6	41.3	0.0047	CH	A-7-5(63)
810+00 LT 5'	B-21	S-1	1.0	10.8	NP	NP	NP	6.3	76.7	10.6	6.4	0.1923	SM	A-2-4(0)
		S-2	3.5	23.2	NP	NP	NP	7.5	65.0	17.4	10.1	0.1791	SM	A-2-4(0)
		S-4	8.5	27.6	NP	NP	NP	0.0	59.0	29.2	11.8	0.1087	SM	A-4(0)

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Soil Classification Summary

Alabama Department of Transportation
ALDOT Project No.: DPI-AL06 (900)
Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 % Silt (if hydrometer data available)	% Pass 200 % Clay (if hydrometer data available)	D50 (mm)	USCS	AASHTO Classification
813+00 LT 9'	B-22	S-2	3.5	18.2	NP	NP	NP	72.9	1.3	25.8		10.2539	GM	A-2-4(0)
		S-4	13.5	144.8	130	47	83	0.0	17.0	41.5	41.5	0.0048	CH	A-7-5(81)
816+00 LT 50'	B-23	S-2	1.5	10.0	NP	NP	NP	6.5	58.8	34.7		0.7095	SM	A-2-4(0)
		S-4	7.0	23.2	NP	NP	NP	3.7	86.4	9.9		0.3251	SP-SM	A-3
		S-6	13.5	122.1	102	73	29	0.0	26.1	41.6	32.3	0.0072	MH	A-7-5(31)
816+00 RT 54'	B-24	S-2	3.5	20.7	NP	NP	NP	22.7	66.8	9.4	1.1	0.2142	SP-SM	A-2-4(0)
		S-4	8.5	26.7	NP	NP	NP	0.0	68.4	20.0	11.6	0.1443	SM	A-2-4(0)
819+00 LT 60'	B-25	S-1	0.0	14.3	NP	NP	NP	1.7	49.2	49.1		0.0779	SM	A-4(0)
		S-3	3.5	13.0	NP	NP	NP	68.0	2.7	29.3		3.7135	GM	A-2-4(0)
		S-6	13.5	55.8	67	24	43	0.0	4.0	44.7	51.3	0.0018	CH	A-7-6(47)
819+00 RT 60'	B-26	S-1	1.0	8.7	NP	NP	NP	7.0	70.8	11.2	11.0	0.2036	SM	A-2-4(0)
		S-3	7.0	20.3	NP	NP	NP	0.0	87.0	13.0	0.0	0.1994	SM	A-2-4(0)
821+97 RT 1'	B-27	S-2	1.5	15.3	NP	NP	NP	16.6	63.9	15.3	4.2	0.2193	SM	A-2-4(0)
		S-4	7.0	26.0	NP	NP	NP	5.8	72.5	19.1	2.6	0.1876	SM	A-2-4(0)
824+00 CL	B-28	S-2	1.5	13.8	NP	NP	NP	18.7	74.5	6.8		0.3437	SP-SM	A-3
		S-4	5.0	22.1	NP	NP	NP	1.8	88.4	9.8		0.2206	SP-SM	A-3
827+00 CL	B-29	S-1	0.3	8.1	NP	NP	NP	20.3	63.6	16.1		0.2832	SM	A-2-4(0)
831+00 CL	B-30	S-1	0.5	10.0	NP	NP	NP	0.0	75.8	11.1	13.1	0.2373	SM	A-2-4(0)
		S-3	3.5	8.5	NP	NP	NP	20.4	63.5	16.1		0.3173	SM	A-2-4(0)
834+00 LT 3'	B-31	S-1	1.0	9.0	NP	NP	NP	0.0	80.8	12.8	6.4	0.2500	SM	A-2-4(0)
		S-4	5.5	25.6	NP	NP	NP	23.9	62.0	14.1		0.2244	SM	A-2-4(0)
1601+00 CL	B-32	S-2	2.0	16.3	NP	NP	NP	0.0	85.2	14.8		0.1848	SM	A-2-4(0)
		S-5	8.5	22.9	NP	NP	NP	0.0	75.6	19.6	4.8	0.1564	SM	A-2-4(0)
1603+97 LT 6'	B-33	S-2	2.0	12.7	NP	NP	NP	0.0	83.0	9.5	7.5	0.1470	SM	A-2-4(0)
		S-5	8.5	30.6	22	15	7	0.0	59.6	26.0	14.4	0.0973	SC-SM	A-4(0)
		S-7	18.5	63.1	50	36	14	0.0	6.7	81.6	11.7	0.0343	MH	A-7-5(18)
1501+01 LT 7'	B-34	S-2	2.0	16.8	NP	NP	NP	0.0	81.5	18.5		0.1339	SM	A-2-4(0)

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Soil Classification Summary

Alabama Department of Transportation
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Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 % Silt (if hydrometer data available)	% Pass 200 % Clay (if hydrometer data available)	D50 (mm)	USCS	AASHTO Classification
1501+01 LT 7'	B-34	S-4	5.0	23.8	NP	NP	NP	0.0	89.1	10.9		0.1483	SP-SM	A-2-4(0)
		S-6	13.5	26.2	NP	NP	NP	0.0	74.4	16.9	8.7	0.1432	SM	A-2-4(0)
1503+00 LT 2'	B-35	S-1	0.3	9.5	NP	NP	NP	0.0	80.9	19.1		0.1735	SM	A-2-4(0)
		S-3	3.5	16.6	NP	NP	NP	0.0	84.5	15.5		0.1369	SM	A-2-4(0)
		S-6	13.5	24.4	NP	NP	NP	0.0	73.1	18.6	8.3	0.1317	SM	A-2-4(0)
1700+14 RT 7'	B-36	S-1	0.5	6.5	NP	NP	NP	37.3	48.2	10.8	3.7	0.4278	SM	A-2-4(0)
		S-2	2.0	8.6	NP	NP	NP	0.0	82.4	17.0	0.6	0.1412	SM	A-2-4(0)
		S-6	13.5	58.6	22	13	9	0.0	62.5	25.1	12.4	0.1080	SC	A-4(0)
2200+24 LT 5'	B-37	S-1	0.5	8.6	NP	NP	NP	20.0	60.0	20.0		0.2919	SM	A-2-4(0)
		S-3	3.5	20.4	NP	NP	NP	0.8	93.6	5.6		0.3278	SP-SM	A-3
		S-6	13.5	71.1	42	18	24	0.0	15.4	61.6	23.0	0.0112	CL	A-7-6(20)
1802+55 RT 26'	B-38A	S-1	0.6	7.3	NP	NP	NP	10.0	77.8	12.2		0.1893	SM	A-2-4(0)
		S-3	3.5	7.3	NP	NP	NP	1.0	83.0	16.0		0.1374	SM	A-2-4(0)
		S-6	13.5	16.1	NP	NP	NP	0.0	75.4	17.7	6.9	0.1446	SM	A-2-4(0)
		S-8	23.5	26.8	NP	NP	NP	0.0	56.0	31.5	12.5	0.0854	SM	A-4(0)
2301+64 LT 3'	B-39	S-1	0.5	30.3	NP	NP	NP	28.9	53.6	17.5		0.3658	SM	A-2-4(0)
		S-2	2.0	8.2	NP	NP	NP	1.8	83.8	14.4		0.1812	SM	A-2-4(0)
		S-4	5.0	13.7	NP	NP	NP	0.0	83.0	8.5	8.5	0.1811	SM	A-2-4(0)
2101+24 CL	B-40	S-1	0.5	22.5	NP	NP	NP	17.1	65.7	15.2	2.0	0.2546	SM	A-2-4(0)
		S-3	3.5	10.0	NP	NP	NP	1.7	81.7	16.6		0.1831	SM	A-2-4(0)
1701+50 CL	B-41	S-2	1.5	20.0	NP	NP	NP	0.0	83.0	17.0		0.1889	SM	A-2-4(0)
		S-4	5.0	12.6	NP	NP	NP	0.0	71.7	28.3		0.1313	SM	A-2-4(0)
		S-7	18.5	14.4	NP	NP	NP	0.0	87.6	12.4		0.1412	SM	A-2-4(0)
		S-9	28.5	21.6	NP	NP	NP	0.0	70.2	23.6	6.2	0.1203	SM	A-2-4(0)
		S-11	38.5	28.9	26	20	6	0.0	33.5	52.8	13.7	0.0524	CL-ML	A-4(2)
1702+52 LT 74'	B-42	S-2	1.5	30.8	NP	NP	NP	0.0	74.3	25.7		0.1754	SM	A-2-4(0)
		S-5	8.5	9.9	NP	NP	NP	2.2	76.1	21.7		0.2586	SM	A-2-4(0)

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Soil Classification Summary

Alabama Department of Transportation
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Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 (if hydrometer data available) % Silt	% Clay	D50 (mm)	USCS	AASHTO Classification
1702+52 RT 46'	B-42	S-8	23.5	9.5	NP	NP	NP	0.0	70.2	21.0	8.8	0.1596	SM	A-2-4(0)
		T-1	30.0	26.2	NP	NP	NP	0.0	37.2	47.5	15.3	0.0468	ML	A-4(0)
1703+00 CL	B-43	S-2	1.5	14.6	NP	NP	NP	1.4	63.6	17.3	17.7	0.1169	SM	A-2-4(0)
		S-3	3.5	11.6	18	13	5	0.2	75.2	15.9	8.7	0.1929	SC-SM	A-2-4(0)
		S-5	8.5	14.9	NP	NP	NP	0.4	75.0	11.3	13.3	0.2151	SM	A-2-4(0)
		S-7	18.5	27.2	NP	NP	NP	9.4	76.7	7.8	6.1	0.1955	SM	A-2-4(0)
1702+82 LT 74'	B-44	S-2	1.5	8.9	NP	NP	NP	0.0	72.3	13.4	14.3	0.1729	SM	A-2-4(0)
		S-3	3.5	12.0	---	---	---	0.0	66.3	17.0	16.7	0.1408	SM	A-2-4
		S-5	8.5	9.8	NP	NP	NP	53.4	37.8	7.4	1.4	4.6187	GP-GM	A-1-b
		S-7	18.5	25.0	NP	NP	NP	2.9	75.6	14.6	6.9	0.1825	SM	A-2-4(0)
		S8/T1	23.5	27.4	NP	NP	NP	12.1	65.9	10.7	11.3	0.1871	SM	A-2-4(0)
		S-9	28.5	78.7	108	32	76	0.0	11.7	50.2	38.1	0.0034	CH	A-7-5(77)
		S-10	33.5	28.0	74	18	56	0.0	22.8	47.9	29.3	0.0324	CH	A-7-6(44)
1705+00 CL	B-45	S-2	1.5	15.9	NP	NP	NP	0.0	82.3	8.7	9.0	0.2496	SM	A-2-4(0)
		S-4	7.0	17.3	NP	NP	NP	0.0	83.3	16.7		0.1801	SM	A-2-4(0)
		S-5	8.5	18.8	NP	NP	NP	0.0	87.6	8.0	4.4	0.1844	SM	A-2-4(0)
		S-6	13.5	24.4	NP	NP	NP	0.0	67.8	25.2	7.0	0.1479	SM	A-2-4(0)
		S7/T1	18.5	52.4	70	26	44	0.0	17.6	53.1	29.3	0.0283	CH	A-7-6(39)
1707+00 LT 70'	B-46	S-2	1.5	9.1	NP	NP	NP	0.0	83.6	16.4		0.2021	SM	A-2-4(0)
		S-5	8.5	15.0	NP	NP	NP	0.7	66.9	32.4		0.1472	SM	A-2-4(0)
		S-8	23.5	22.1	NP	NP	NP	0.0	82.0	18.0		0.1753	SM	A-2-4(0)
1707+00 CL	B-47	S-3	3.5	12.1	NP	NP	NP	13.5	58.2	28.3		0.1848	SM	A-2-4(0)
		S-6	15.0	26.2	NP	NP	NP	2.1	73.6	15.5	8.8	0.1750	SM	A-2-4(0)
		S8/T1	23.5	67.4	35	33	2	---	---	---	---	---	ML	---
		S-9	28.5	37.6	NP	NP	NP	3.5	65.9	30.6		0.1619	SM	A-2-4(0)
1709+00 CL	B-48	S-2	1.5	13.4	NP	NP	NP	1.0	85.3	13.7		0.2967	SM	A-2-4(0)
		S-4	7.0	24.9	NP	NP	NP	3.4	73.0	23.6		0.1117	SM	A-2-4(0)

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Soil Classification Summary

Alabama Department of Transportation
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Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 (if hydrometer data available) % Silt	% Clay	D50 (mm)	USCS	AASHTO Classification
1709+00 CL	B-48	S-6	13.5	28.5	NP	NP	NP	0.0	70.1	18.4	11.5	0.1471	SM	A-2-4(0)
402+19 RT 48'	B-49	S-2	2.0	8.4	NP	NP	NP	0.7	77.9	12.2	9.2	0.2446	SM	A-2-4(0)
		S-4	5.0	8.6	NP	NP	NP	0.1	85.1	8.3	6.5	0.3716	SM	A-2-4(0)
405+27 RT 29'	B-50	S-2	3.5	7.9	NP	NP	NP	0.6	89.3	10.1		0.3118	SP-SM	A-3
		S-4	6.5	11.3	NP	NP	NP	0.3	85.0	14.7		0.2659	SM	A-2-4(0)
407+85 LT 6'	B-51	S-2	2.3	9.6	18	14	4	2.6	74.7	22.7		0.2237	SC-SM	A-2-4(0)
		S-6	13.5	10.5	NP	NP	NP	7.9	77.8	14.3		0.2091	SM	A-2-4(0)
407+65 LT 30'	B-51A	S-2	23.5	26.6	NP	NP	NP	0.0	64.9	35.1		0.1261	SM	A-2-4(0)
		S-3/T-1	28.0	125.7	177	75	102	0.0	15.7	59.0	25.3	0.0144	CH	A-7-5(107)
		S-4	33.5	24.8	---	---	---	0.0	66.2	33.8		0.1107	SM	A-2-4
410+50 LT 30'	B-52	S-1	0.4	13.2	19	15	4	1.4	66.6	17.5	14.5	0.1555	SC-SM	A-2-4(0)
		S-3	3.5	14.2	NP	NP	NP	2.0	81.8	16.2		0.2537	SM	A-2-4(0)
		S-6	13.5	19.2	22	12	10	4.3	66.6	14.9	14.2	0.1920	SC	A-2-4(0)
		S-9	28.5	26.5	NP	NP	NP	0.0	61.5	33.0	5.5	0.1060	SM	A-4(0)
		S-11	38.5	32.1	48	20	28	0.0	5.4	56.7	37.9	0.0053	CL	A-7-6(29)
		S-13	48.5	19.0	NP	NP	NP	0.0	94.0	6.0		0.2041	SP-SM	A-3
700+00 LT 10'	B-53	S-2	1.5	15.0	NP	NP	NP	0.0	79.9	20.1		0.1787	SM	A-2-4(0)
		S-5	8.5	28.8	NP	NP	NP	0.0	82.6	17.4		0.1881	SM	A-2-4(0)
		S-7/T-1	18.5	41.8	50	20	30	0.0	7.9	48.0	44.1	0.0054	CH	A-7-6(30)
703+00 LT 20'	B-54	S-2	1.5	16.5	NP	NP	NP	0.0	82.8	17.2		0.1867	SM	A-2-4(0)
		S-4	5.0	22.5	NP	NP	NP	0.0	90.0	10.0		0.2020	SP-SM	A-3
		S-6	13.5	26.2	NP	NP	NP	0.0	72.4	19.0	8.6	0.1589	SM	A-2-4(0)
		S-9	28.5	22.9	NP	NP	NP	0.0	95.8	4.2		0.2133	SP	A-3
706+00.8 LT 24'	B-55	S-2	1.5	12.7	NP	NP	NP	0.0	81.6	18.4		0.1850	SM	A-2-4(0)
		S-4	5.0	20.4	NP	NP	NP	0.0	91.5	8.5		0.2036	SP-SM	A-3
		S-9	28.5	19.9	NP	NP	NP	0.2	97.5	2.3		0.2839	SP	A-3
707+86 LT 23'	B-56	S-2	1.5	8.9	NP	NP	NP	19.2	66.8	14.0		0.2856	SM	A-2-4(0)

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Soil Classification Summary

Alabama Department of Transportation
ALDOT Project No.: DPI-AL06 (900)
Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 % Silt (if hydrometer data available)	% Pass 200 % Clay (if hydrometer data available)	D50 (mm)	USCS	AASHTO Classification
		S-4	7.0	29.3	NP	NP	NP	0.0	70.8	29.2		0.1255	SM	A-2-4(0)
		S-6	13.5	26.1	NP	NP	NP	1.3	76.0	14.3	8.4	0.1743	SM	A-2-4(0)
707+86 LT 23'	B-56	S-8	23.5	108.2	49	16	33	0.2	18.7	53.1	28.0	0.0270	CL	A-7-6(26)
		S-10	33.5	31.0	NP	NP	NP	0.0	87.6	12.4		0.2920	SM	A-2-4(0)
1201+00 LT 30'	B-57	S-3	3.5	16.5	NP	NP	NP	0.0	82.5	17.5		0.1863	SM	A-2-4(0)
		S-6	13.5	31.5	82	33	49	1.3	17.9	80.8		0.0032	CH	A-7-5(45)
		S-8	23.5	25.8	NP	NP	NP	0.0	80.9	19.1		0.1612	SM	A-2-4(0)
		S-10	33.5	10.6	NP	NP	NP	0.0	97.2	2.8		0.3416	SP	A-3
1203+00 LT 30'	B-58	S-2	1.5	19.5	NP	NP	NP	0.8	73.9	25.3		0.2283	SM	A-2-4(0)
		S-4	5.0	13.1	NP	NP	NP	0.6	62.6	29.7	7.1	0.1245	SM	A-4(0)
		S-6	13.5	23.3	NP	NP	NP	3.0	60.9	30.3	5.8	0.1344	SM	A-4(0)
		S-8	23.5	28.4	NP	NP	NP	0.0	85.8	14.2		0.1822	SM	A-2-4(0)
		S-10	33.5	45.2	NP	NP	NP	0.0	72.5	20.9	6.6	0.1676	SM	A-2-4(0)
		S-12	43.5	13.6	78	29	49	0.7	6.2	59.7	33.4	0.0059	CH	A-7-6(53)
1203+00 RT 30'	B-59	S-4	5.0	27.7	NP	NP	NP	0.0	77.8	22.2		0.1894	SM	A-2-4(0)
		S-7	18.5	74.3	NP	NP	NP	0.0	62.5	34.5	3.0	0.1216	SM	A-4(0)
		S9/T1	28.5	74.3	98	35	63	1.0	4.4	50.9	43.7	0.0032	CH	A-7-5(72)
1205+00 LT 20'	B-60	S-4	5.0	16.9	23	13	10	0.3	61.7	14.8	23.2	0.1104	SC	A-4(0)
		S-5	8.5	14.5	NP	NP	NP	0.8	79.5	15.6	4.1	0.1994	SM	A-2-4(0)
		S-9	28.5	27.1	NP	NP	NP	0.0	70.1	21.0	8.9	0.1544	SM	A-2-4(0)
		S10/T1	33.5	42.7	39	21	18	3.8	22.0	40.1	34.1	0.0291	CL	A-6(12)
1207+00 LT 25'	B-61	S-2	1.5	9.3	NP	NP	NP	15.6	66.1	11.6	6.7	0.2875	SM	A-2-4(0)
		S-4	7.0	13.3	23	18	5	0.0	69.4	14.9	15.7	0.1640	SC-SM	A-2-4(0)
		S-6	13.5	13.6	NP	NP	NP	0.0	73.2	26.8		0.2116	SM	A-2-4(0)
		S-9	28.5	25.8	NP	NP	NP	0.0	70.1	19.9	10.0	0.1569	SM	A-2-4(0)
1212+96 RT 10'	B-62	S-2	2.0	12.7	NP	NP	NP	3.8	73.0	10.2	13.0	0.2370	SM	A-2-4(0)
		S-4	7.0	12.9	NP	NP	NP	0.0	67.4	32.6		0.1720	SM	A-2-4(0)

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Soil Classification Summary

Alabama Department of Transportation
ALDOT Project No.: DPI-AL06 (900)
Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 % Silt (if hydrometer data available)	% Pass 200 % Clay (if hydrometer data available)	D50 (mm)	USCS	AASHTO Classification
1301+99 RT 25'	B-63	S-2	1.5	14.3	NP	NP	NP	0.4	72.0	10.5	17.1	0.1594	SM	A-2-4(0)
		S-4	5.0	20.3	NP	NP	NP	0.2	85.1	14.7		0.1883	SM	A-2-4(0)
		S-5	8.5	29.6	NP	NP	NP	0.0	72.4	21.9	5.7	0.1321	SM	A-2-4(0)
		S-7	18.5	104.2	119	56	63	0.0	13.5	45.5	41.0	0.0036	MH	A-7-5(68)
		S-8	23.5	24.4	NP	NP	NP	0.0	98.0	2.0		0.3321	SP	A-3
		S-10	33.5	23.1	NP	NP	NP	0.2	96.3	3.5		0.3437	SP	A-3
1303+97 LT 3'	B-64	S-2	2.0	14.4	NP	NP	NP	0.0	78.7	21.3		0.1788	SM	A-2-4(0)
		S-5	13.5	26.4	NP	NP	NP	0.0	45.3	32.1	22.6	0.0294	ML	A-4(0)
		S-8	28.5	23.3	NP	NP	NP	0.0	92.0	8.0		0.2247	SP-SM	A-3
1306+00 LT 10'	B-65	S-2	1.5	10.0	NP	NP	NP	3.3	78.3	18.4		0.1816	SM	A-2-4(0)
		S-4	5.0	21.4	NP	NP	NP	0.0	88.4	11.6		0.1864	SP-SM	A-2-4(0)
		S-7	18.5	46.0	38	22	16	0.0	25.6	63.8	10.6	0.0375	CL	A-6(11)
		S-11	38.5	23.6	NP	NP	NP	0.3	97.7	2.0		0.3268	SP	A-3
1307+96 LT 7'	B-66	S-1	0.5	9.3	NP	NP	NP	29.6	51.5	18.9		0.4235	SM	A-2-4(0)
		S-3	3.5	23.6	NP	NP	NP	0.0	85.9	14.1		0.1833	SM	
		S-6	13.5	27.8	NP	NP	NP	0.1	74.4	15.4	10.1	0.1663	SM	A-2-4(0)
		S-8	23.5	59.1	NP	NP	NP	2.3	88.8	8.9		0.2700	SP-SM	A-3
		S-10	33.5	24.8	NP	NP	NP	0.0	96.2	3.8		0.3252	SP	A-3
1310+00 LT 10'	B-67	S-2	1.5	11.5	NP	NP	NP	4.6	64.1	31.3		0.1110	SM	A-2-4(0)
		S-5	8.5	38.1	36	15	21	0.0	51.9	24.7	23.4	0.0905	SC	A-6(6)
		S-8	23.5	36.8	NP	NP	NP	1.4	82.3	16.3		0.1926	SM	A-2-4(0)
		S-12	43.5	19.9	NP	NP	NP	0.2	98.0	1.8		0.4144	SP	A-3
321+00 LT 20'	B-68	S-2	1.5	7.2	NP	NP	NP	0.0	85.3	14.7		0.2763	SM	A-2-4(0)
		S-4	5.0	6.9	NP	NP	NP	1.4	87.2	11.4		0.3220	SP-SM	A-2-4(0)
324+00 RT 10'	B-69	S-1	0.3	11.1	NP	NP	NP	15.5	64.9	19.6		0.3159	SM	A-2-4(0)
		S-2	3.5	7.6	NP	NP	NP	0.0	86.5	13.5		0.3592	SM	A-2-4(0)
153+95 LT 59'	B-70	S-1	1.0	11.5	NP	NP	NP	0.0	79.3	16.3	4.4	0.1558	SM	A-2-4(0)

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Soil Classification Summary

Alabama Department of Transportation
ALDOT Project No.: DPI-AL06 (900)
Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 % Silt (if hydrometer data available)	% Pass 200 % Clay (if hydrometer data available)	D50 (mm)	USCS	AASHTO Classification
		S-3	3.5	11.8	NP	NP	NP	0.0	76.4	15.8	7.8	0.1563	SM	A-2-4(0)
		S-5	8.5	19.4	NP	NP	NP	0.0	87.3	12.7		0.1373	SM	A-2-4(0)
153+95 LT 59'	B-70	S-7	18.5	66.7	37	18	19	0.0	29.7	54.7	15.6	0.0366	CL	A-6(11)
		S-8	23.5	23.8	NP	NP	NP	0.0	89.1	10.9		0.1223	SP-SM	A-2-4(0)
		S-11	38.5	27.7	NP	NP	NP	0.0	95.7	4.3		0.2953	SP	A-3
157+06 LT 77'	B-71	S-2	1.5	10.0	NP	NP	NP	5.5	79.8	14.7		0.1987	SM	A-2-4(0)
		S-4	5.0	14.2	NP	NP	NP	15.8	66.9	17.3		0.3129	SM	A-2-4(0)
		S-5	8.5	26.8	NP	NP	NP	0.0	60.1	24.6	15.3	0.1179	SM	A-4(0)
		S-6	13.5	39.1	NP	NP	NP	0.0	75.2	14.0	10.8	0.1580	SM	A-2-4(0)
		S-8	23.5	24.2	NP	NP	NP	0.1	87.1	12.8		0.1911	SM	A-2-4(0)
159+00 LT 67'	B-72	S-2	2.0	4.4	NP	NP	NP	7.5	83.2	9.3		0.3337	SP-SM	A-3
		S-6	13.5	15.8	NP	NP	NP	0.0	73.7	26.3		0.1626	SM	A-2-4(0)
		S-8	23.5	23.6	18	14	4	0.2	86.7	7.4	5.7	0.2610	SC-SM	A-2-4(0)
		S-11	38.5	25.5	NP	NP	NP	0.0	98.3	1.7		0.3365	SP	A-3
317+75 RT 17'	B-73	S-2	1.5	10.8	NP	NP	NP	0.0	86.5	13.5		0.2221	SM	A-2-4(0)
		S-5	8.5	27.3	NP	NP	NP	0.0	68.8	20.3	10.9	0.1258	SM	A-2-4(0)
		T-1	15.5	31.6	28	18	10	0.0	63.2	22.7	14.1	0.1011	SC-SM	A-4(0)
		S-9	28.5	24.6	NP	NP	NP	0.0	89.6	10.4		0.2195	SP-SM	A-3
319+55 RT 43'	B-74	S-2	3.5	23.1	NP	NP	NP	0.0	85.0	15.0		0.2117	SM	A-2-4(0)
		S-3	5.0	24.9	NP	NP	NP	0.0	71.1	28.9		0.1405	SM	A-2-4(0)
		S-5	13.5	35.8	NP	NP	NP	0.0	64.3	19.8	15.9	0.1128	SM	A-2-4(0)
321+48 RT 65'	B-75	S-2	3.0	29.4	NP	NP	NP	0.0	85.2	14.8		0.1903	SM	A-2-4(0)
		S-5	8.5	20.6	NP	NP	NP	0.0	88.1	11.0	0.9	0.1908	SP-SM	A-2-4(0)
		T-1	10.5	23.8	25	22	3	0.0	40.1	42.8	17.1	0.0645	ML	A-4(0)
		S-8	23.5	32.5	---	---	---	0.0	45.6	54.4		---	CL	---
323+37 RT 63'	B-76	S-1	0.3	18.3	NP	NP	NP	0.0	78.4	21.6		0.1902	SM	A-2-4(0)
		S-3	3.5	13.8	NP	NP	NP	0.0	83.8	16.2		0.1888	SM	A-2-4(0)

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Soil Classification Summary

Alabama Department of Transportation
ALDOT Project No.: DPI-AL06 (900)
Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 % Silt (if hydrometer data available)	% Pass 200 % Clay (if hydrometer data available)	D50 (mm)	USCS	AASHTO Classification
		S-8	23.5	24.4	NP	NP	NP	0.0	90.5	9.5		0.1635	SP-SM	A-3
410+86 RT 57'	B-100	S-2	1.5	8.7	NP	NP	NP	28.0	55.5	16.5		0.4059	SM	A-2-4(0)
		S-7	23.5	25.0	NP	NP	NP	0.0	90.4	9.6		0.3467	SP-SM	A-3
		S-10	38.5	26.6	NP	NP	NP	0.0	92.5	7.5		0.2853	SP-SM	A-3
139+95.2 LT 40.8'	BR-1	S-2	3.5	20.9	NP	NP	NP	0.0	91.0	7.3	1.7	0.1959	SP-SM	A-3
		S-4	13.5	25.6	NP	NP	NP	0.0	69.6	18.6	11.8	0.1535	SM	A-2-4(0)
		S-5	20.0	36.5	35	16	19	0.0	23.4	45.1	31.5	0.0335	CL	A-6(13)
		S-8	35.0	21.3	NP	NP	NP	0.3	99.6	0.1		0.3959	SP	A-3
		S-12	55.0	18.5	NP	NP	NP	0.3	97.2	2.5		0.3116	SP	A-3
		S-17	80.0	34.1	50	14	36	0.0	21.1	39.3	39.6	0.0117	CH	A-7-6(28)
		S-18	85.0	22.7	NP	NP	NP	7.3	74.0	18.7		0.4689	SM	A-1-b
		S-19	90.0	27.7	NP	NP	NP	0.0	60.8	22.6	16.6	0.1094	SM	A-4(0)
		S-22	110.0	25.2	NP	NP	NP	0.0	55.1	33.2	11.7	0.0842	SM	A-4(0)
139+74.02 - CL	BR-2	S-2	1.5	16.1	NP	NP	NP	0.0	84.9	15.1		0.1452	SM	A-2-4(0)
		S-4	5.0	20.9	NP	NP	NP	0.0	88.9	11.1		0.1549	SP-SM	A-2-4(0)
		S-5	8.5	25.3	NP	NP	NP	0.0	61.8	31.8	6.4	0.0967	SM	A-4(0)
		S-7	19.0	25.6	NP	NP	NP	0.0	67.2	23.2	9.6	0.1040	SM	A-2-4(0)
		S-10	34.0	18.1	NP	NP	NP	0.0	94.6	5.4		0.4039	SP-SM	A-3
		S-14	54.0	21.4	NP	NP	NP	1.1	94.7	4.2		0.3283	SP	A-3
		S-17	69.0	15.8	NP	NP	NP	19.1	59.5	21.4		0.6308	SM	A-1-b
		S-20	84.0	18.0	NP	NP	NP	1.3	95.1	3.6		0.6703	SM	A-1-b
		S-21	88.5	30.1	23	13	10	18.8	55.7	16.6	8.9	0.3145	SC	A-2-4(0)
139+95.2 RT 74'	BR-3	S-3	3.5	21.8	NP	NP	NP	0.0	89.1	10.9		0.1971	SP-SM	A-2-4(0)
		S-6	13.5	43.7	35	18	17	0.0	43.4	33.2	23.4	0.0649	CL	A-6(7)
		S-9	28.5	22.4	NP	NP	NP	0.0	95.2	4.8		0.3255	SP	A-3
		S-17	68.5	20.1	NP	NP	NP	1.9	88.9	9.2		0.5579	SP-SM	A-1-b
		S-22	93.5	59.4	29	21	8	0.0	44.1	26.6	29.3	0.0504	CL	A-4(2)

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Soil Classification Summary

Alabama Department of Transportation
ALDOT Project No.: DPI-AL06 (900)
Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Station & Offset	Boring No.	Sample ID	Depth (ft)	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Gravel	% Sand	% Pass 200 % Silt (if hydrometer data available)	% Pass 200 % Clay (if hydrometer data available)	D50 (mm)	USCS	AASHTO Classification
141+26 LT 45.7'	BR-4	S-2	1.5	18.9	NP	NP	NP	1.4	83.5	8.8	6.3	0.1880	SM	A-2-4(0)
		S-3	5.0	24.2	NP	NP	NP	5.1	82.2	6.5	6.2	0.1904	SM	A-2-4(0)
		S-5	13.5	33.6	NP	NP	NP	0.4	72.0	15.5	12.1	0.1586	SM	A-2-4(0)
		S6/T1	18.0	56.4	77	27	50	0.0	29.7	40.8	29.5	0.0103	CH	A-7-6(35)
141+26 LT 45.7'	BR-4	S6/T1	18.5	55.3	83	28	55	0.0	14.6	37.8	47.6	0.0025	CH	A-7-6(52)
		S6/T1	19.0	31.5	39	23	16	0.0	20.9	45.5	33.6	0.0149	CL	A-6
		S-8	28.5	23.4	NP	NP	NP	0.8	87.5	11.7		0.3206	SP-SM	A-2-4(0)
		S-10	38.5	19.4	NP	NP	NP	0.0	96.9	3.1		0.3522	SP	A-3
		S-12	48.5	23.2	NP	NP	NP	0.3	96.9	2.8		0.2929	SP	A-3
		S-16	68.5	17.5	NP	NP	NP	23.6	73.1	3.3		0.5567	SP	A-1-b
		S-19	83.5	41.1	63	20	43	0.0	22.0	40.7	37.3	0.0091	CH	A-7-6(34)
		S-21	93.5	38.6	65	26	39	0.0	26.1	45.4	28.5	0.0391	CH	A-7-6(30)
141+26 LT 6.4'	BR-5	S-2	1.5	15.8	NP	NP	NP	0.0	84.8	15.2		0.1850	SM	A-2-4(0)
		S-4	5.0	25.1	NP	NP	NP	0.0	90.2	6.8	3.0	0.1922	SP-SM	A-3
		S-7	18.5	26.5	50	17	33	0.0	8.0	54.3	37.7	0.0073	CH	A-7-6(32)
		S-9	28.5	24.1	NP	NP	NP	0.0	85.8	14.2		0.2848	SM	A-2-4(0)
		S-13	48.5	20.7	NP	NP	NP	0.1	92.5	7.4		0.3294	SP-SM	A-3
		S-17	68.5	19.8	NP	NP	NP	21.4	68.8	9.8		0.6210	SW-SM	A-1-b
		S-18	73.5	23.8	NP	NP	NP	0.6	96.8	2.6	0.0	0.5965	SP	A-1-b
		S-21	88.5	42.8	65	25	40	0.0	14.2	43.1	42.7	0.0038	CH	A-7-6(38)
		S-23	98.5	39.9	77	30	47	0.0	6.6	47.1	46.3	0.0024	CH	A-7-5(51)
140+98 RT 70'	BR-6	S-2	1.5	14.1	NP	NP	NP	4.8	76.0	19.2		0.1906	SM	A-2-4(0)
		S-5	8.5	28.2	---	---	---	0.0	69.2	17.1	13.7	0.1453	SM	---
		S-10	33.5	25.5	NP	NP	NP	0.0	96.0	4.0		0.3227	SP	A-3

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Soil Classification Summary

Alabama Department of Transportation
ALDOT Project No.: DPI-AL06 (900)
Project Name: I-10 Interchange Modifications
Mobile County, Alabama

Sample No.	Test Station	Approximate Station Range	Average Topsoil Depth (ft)	Estimated Topsoil Volume (yd^3)	Deleterious Materials (7% max)	Organic Material (2-20%)	Sand Content (10-90%)	Silt and Clay Content (10-90%)	pH (5-7)	Meets ALDOT Specification of Special Provision 08-0120
TS-01	127+00 LT 70'	118+75 to 134+50	0.5	2,318	6.8	11.5	89.0	4.2	7	Fail
TS-02	143+00 CL	134+50 to 145+00	0.4	3,059	34.2	7.6	63.6	2.2	7	Fail
TS-03	1703+00 CL	145+00 to 155+78 and 1703+20 to 1707+00	0.7	2,345	9.0	8.4	87.4	3.6	6	Fail
TS-04	321+50 RT 49'	109+24.75 to 118+75	0.3	818	7.7	14.9	88.3	4.0	6	Fail

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Topsoil Testing Summary

Alabama Department of Transportation

ALDOT Project No.: IM-AL06 (900)

Project Name: I-10 Interchange Modifications

Mobile County, Alabama

Summary of Results - IM-AL06(900) I-10 Interchange Modifications
Thompson #13-2123-0004
Tests performed at Boudreau Engineering on 5/18 thru 5/31/13

Results Summary

Boring No.	Station	Roadway	Depth	AASHTO Classification	Dry Density (pcf)	Moisture Content, %	% compaction	M_r values at 4 psi confining pressure, psi*					Ave.
								Seq 6	Seq 7	Seq 8	Seq 9	Seq 10	
B-6	130+00 LT 30'	I-10	0-0 - 2.0 ft	A-2-4(0)	113.5	10.9	94.2	8,831	8,798	9,125	9,648	10,063	9,293
B-15	156+00 RT 30'	I-10 / Ramp C	0.0 - 2.0 ft	A-2-4(0)	111.1	10.6	94.1	7,845	7,904	8,282	8,893	9,313	8,447
B-15	156+00 RT 30'	I-10 / Ramp C	2.0 - 3.0 ft	A-2-4(0)	115.7	10.5	95.3	8,161	8,105	8,396	8,895	9,359	8,583
B-16N	800+99.9 LT 23.2'	Canal Street	0.0 - 1.0 ft	A-2-4(0)	122.1	7.2	94.7	12,318	11,780	11,622	11,636	11,942	11,860
B-23	816+00 LT 50'	Water Street	0.0 - 1.0 ft	A-2-4(0)	102.7	13.8	94.1	5,572	5,423	5,530	5,753	5,770	5,610
B-31	833+99 LT 2.9'	Water Street	0.0 1.0 ft	A-2-4(0)	117.1	8.7	94.5	10,298	10,198	10,492	11,006	11,570	10,713
B-35	1503+00 LT 2.0'	Claiborne St	0.0 - 1.0 ft	A-2-4(0)	105.9	12.3	94.2	6,971	7,077	7,477	7,987	8,307	7,564
B-35	1503+00 LT 2.0'	Claiborne St	1.0 - 2.0 ft	A-2-4(0)	108.7	9.7	95.1	7,619	7,671	8,021	8,583	9,140	8,207
B-43	1703+00 CL	New Jackson St	7.0 - 15.0 ft	A-2-4(0)	117.4	10.4	96.1	8,868	8,658	8,794	9,182	9,548	9,010
B-43	1703+00 CL	New Jackson St	15.0 - 16.0 ft	A-2-4(0)	108.9	10.1	94.1	8,415	8,455	8,794	9,331	9,906	8,980
B-51	407+85 LT 6.0'	Ramp A	0.0 - 8.0 ft	A-2-4(0)	114.4	11.5	95.2	9,482	9,429	9,819	10,423	10,951	10,021
B-51	407+85 LT 6.0'	Ramp A	8.0 - 9.0 ft	A-2-4(0)	112.4	10.6	95.1	8,136	8,193	8,550	9,110	9,601	8,718
B-58	1203+00 LT 30'	Ramp C	8.0 - 16.0 ft	A-2-4(0)	116.8	11.8	95.7	10,596	10,460	10,447	10,533	10,655	10,538
B-58	1203+00 LT 30'	Ramp C	16.0 - 17.0 ft	A-2-4(0)	116.4	11.9	96.0	12,818	12,497	12,257	12,124	12,052	12,350

AVG	**9,278**
StDev	1,743
(AVG-2 x StDev)	**5,792**
85th percentile	**8,175**
90th percentile	**7,757**
100th percentile	**5,610**

Design M_R = 9,300 psi

Analysis done per ALDOT requirements (A-1, A-2-4 and A-3 soils evaluated at 4 psi confining pressure, e.g. Seq 6-10)

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LA Abrasions

Date: July 26, 2010

Project: IM-I010(328)

County: Mobile

Date Placed: 2000; H.O. Weaver & Sons, Inc.
Project Number IM-10-1(117)

Location: I-10 from I-65 to Wallace Tunnel

420A Open Grade

86% #7 Granite; MM; Mulgrave, Nova Scotia (Source No. 1620)
LA Abrasion =15.0
13% Granite Screening; MM; Mulgrave, Nova Scotia (Source No. 1620)
LA Abrasion =15.0
1% Baghouse Fines; Plant
PG-76-22/SBR

Sieves	%Passing
37.5 mm	
25.0 mm	
19.0 mm	100
12.5 mm	97
9.5 mm	69
4.75 mm	23
2.36 mm	12
1.18 mm	
600 µm	
300 µm	
150 µm	
75 µm	3.0
%AC	6.20

424A Wearing Surface

31% #78 Limestone; MM; Maylene, AL (Source No. 0315)
LA Abrasion = 25.0
35% #89 Granite; MM; Nova Scotia (Source No. 1620)
LA Abrasion = 15.0
12% Manufactured Sand; MM; Maylene, AL (Source No. 0315)
10% Sand; Friese Materials; Atmore, AL (Source No. 0071)
2% Baghouse Fines
10% RAP Stockpile 98-9-4

Sieves	%Passing
37.5 mm	
25.0 mm	
19.0 mm	100
12.5 mm	99
9.5 mm	89
4.75 mm	48
2.36 mm	30
1.18 mm	23
600 µm	18
300 µm	11
150 µm	5
75 µm	3.4
%AC	4.20

424B Binder Layer

#78 Limestone; Cave Inn Rock, Illinois (Source No. 0924)
LA Abrasion= 24
#67 Limestone; Cave Inn Rock, Illinois (Source No. 0924)
LA Abrasion= 24
10% Manufactured Sand; Cave Inn Rock, Illinois (Source No. 0924)
12% Sand; Friese Materials; Atmore, AL (Source No. 0071)
1% Baghouse Fines, Plant
9% RAP Stockpile 98-9-4

Sieves	%Passing
37.5 mm	
25.0 mm	100
19.0 mm	99
12.5 mm	90
9.5 mm	69
4.75 mm	35
2.36 mm	29
1.18 mm	22
600 µm	16
300 µm	9
150 µm	4
75 µm	2.6
%AC	4.11

Note: 3.66% PG 67-22 must be added to the mix. The remaining .45% AC comes from the RAP

Street: Canal Road
Station: 801 + 00 LT 30’
Boring: B-16

Asphalt Core Thickness: 4”
Base Thickness: 3”

Street: Canal/Water Street
Station: 807 + 00 RT 70'
Boring: B-19

Asphalt Core Thickness: 5.5"
Base Thickness: 2"

Street: Water Street
Station: 319 + 00 RT 60’
Boring: B-26

Asphalt Core Thickness: 10”
Base Thickness: 3”

Street: Water Street in lane
Station: 831 + 00 CL
Boring: B-30

Asphalt Core Thickness: 10”
Base Thickness: 5”

Street: Claiborne Street
Station: 1501+ 00 CL
Boring: B-34

Asphalt Core Thickness: 3”
Base Thickness: 3”

Street: Jackson Street
Station: 1802 + 50 CL
Boring: B-38

Asphalt Core Thickness: 4”
Base Thickness: 3”

Street: Joachim Street
Station: 1902 + 00 LT
Boring: B-39

Asphalt Core Thickness: 5”
Base Thickness: 3”

Street: Civic Center Drive
Station: 1306 + 00 LT 10’
Boring: B-65

Asphalt Core Thickness: 5.5”
Base Thickness: 3”