

PAVEMENT CORE SUMMARY

PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

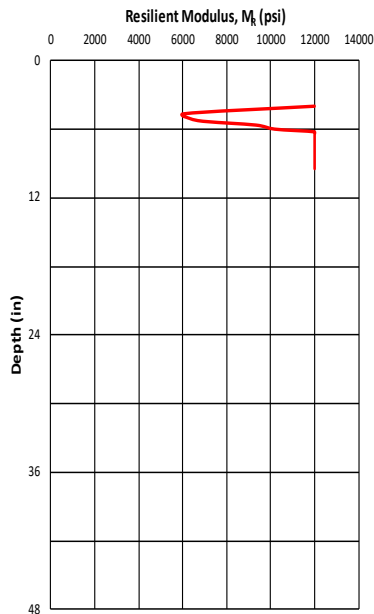
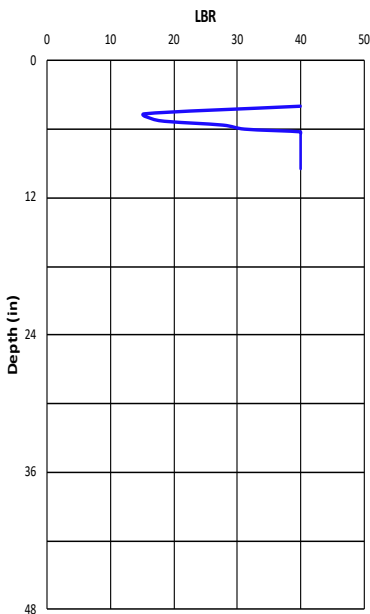
CORE ID: C-1
 LANE: Southbound, L2 (Outer)
 DATE: 11-2-23



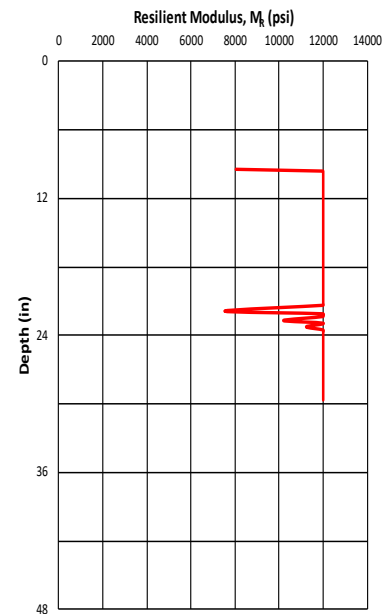
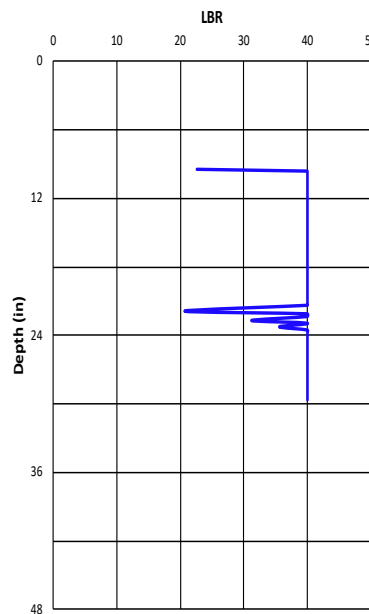
PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt
3.5	15.5	12.0	Shell (Avg min. LBR 40)
15.5	60.0	44.5	Grey Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches

Base Refusal



Subgrade and Embankment



PAVEMENT CORE SUMMARY

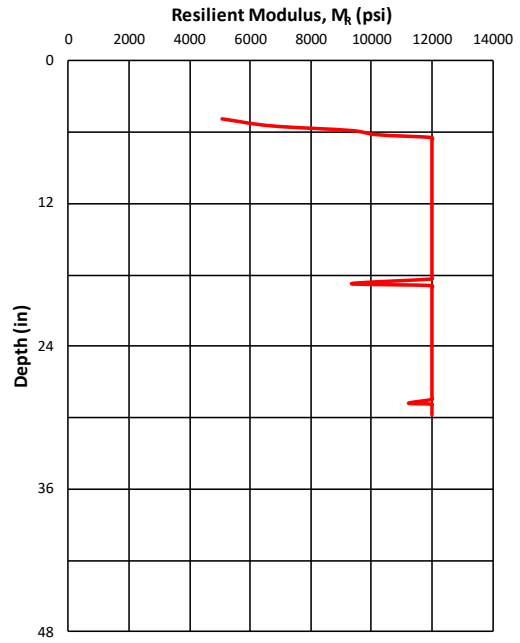
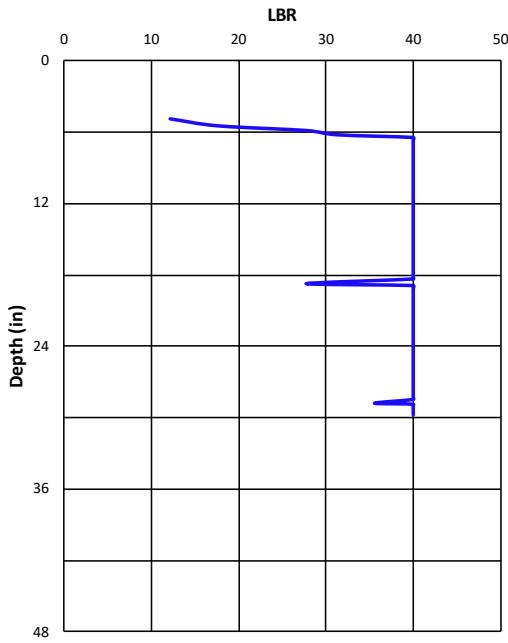
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-2
 LANE: Southbound, L2 (Inner)
 DATE: 11-2-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.0	3.0	Asphalt
3.0	15.0	12.0	Shell (Avg min. LBR 40)
15.0	60.0	45.0	Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

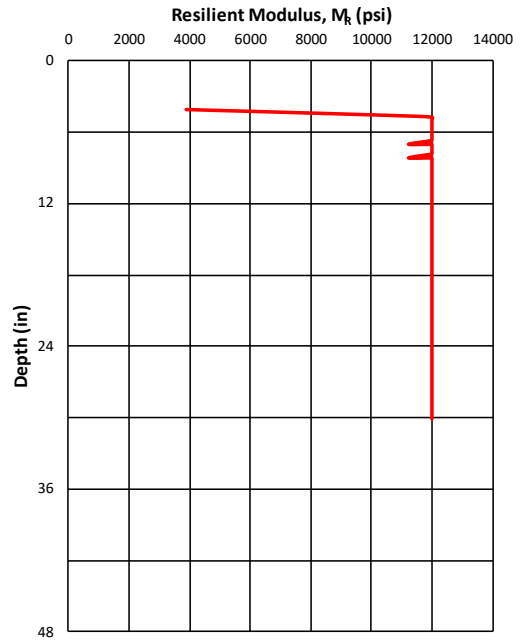
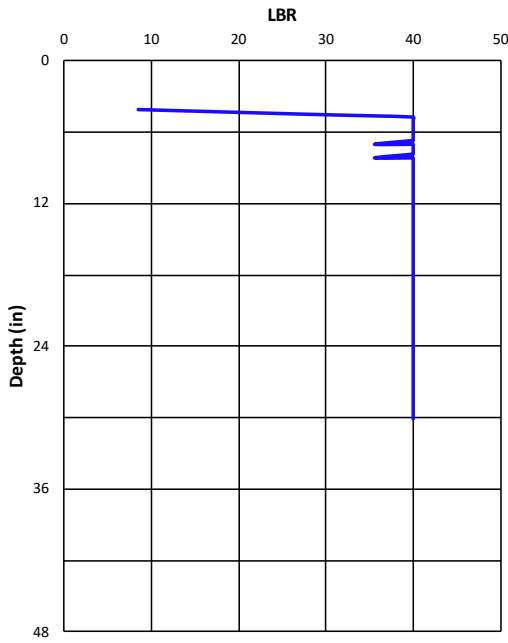
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-3
 LANE: Northbound, 1 (Inner)
 DATE: 11-2-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt (Full Depth Crack)
3.5	15.0	11.5	Shell (Avg min. LBR 40)
15.0	60.0	45.0	Gray Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

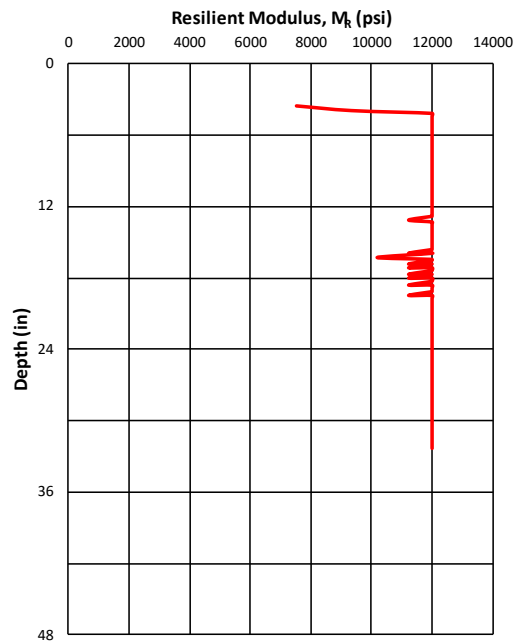
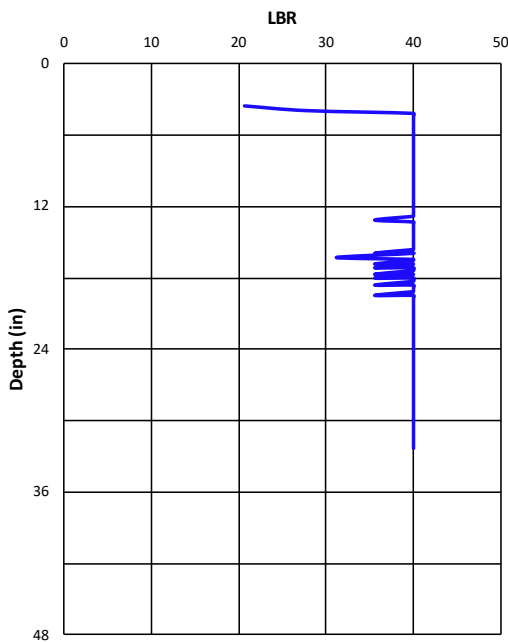
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-4
 LANE: Southbound, L2 (Inner)
 DATE: 11-2-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	2.5	2.5	Asphalt
2.5	14.75	12.25	Shell (Avg min. LBR 40)
14.75	60.0	45.25	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

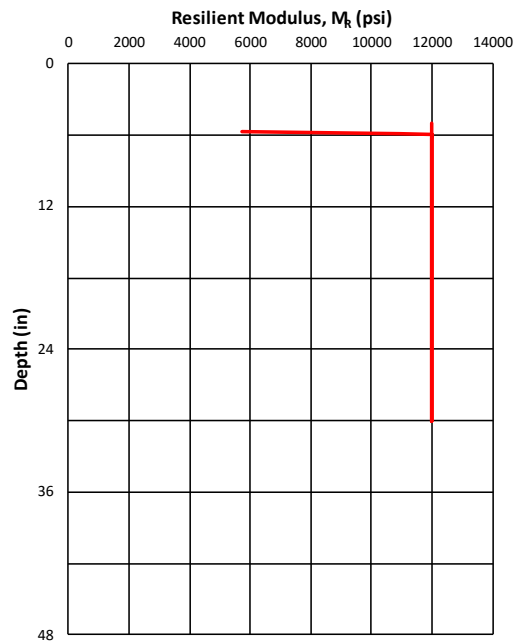
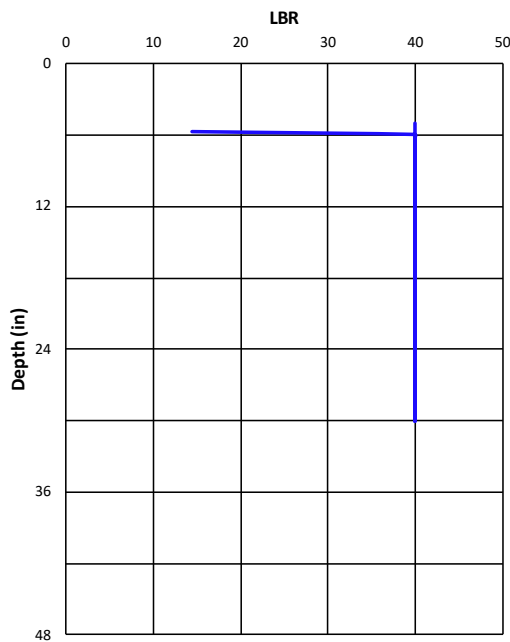
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-5
 LANE: Southbound, L1 (Outer)
 DATE: 11-2-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.25	3.25	Asphalt
3.25	14.5	11.25	Shell(Avg min. LBR 40)
14.5	60.0	45.5	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

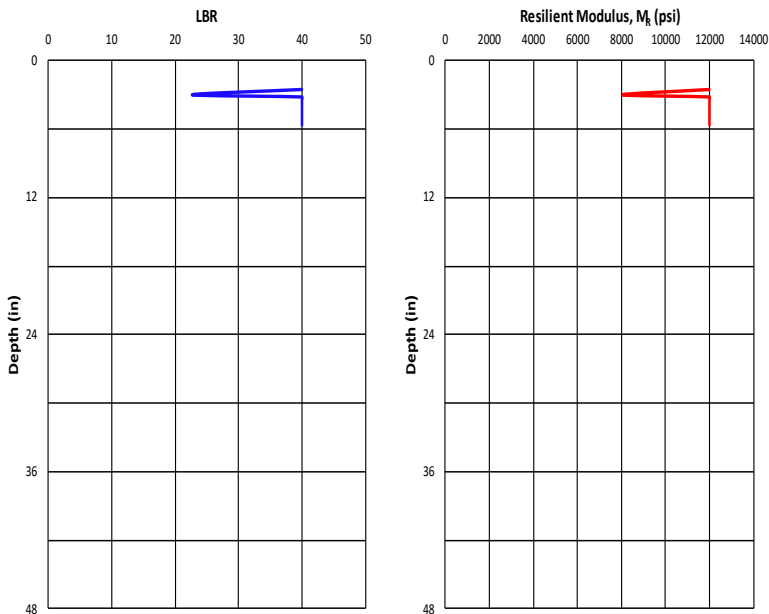
CORE ID: C-6
 LANE: Southbound, L1 (Inner)
 DATE: 11-2-23



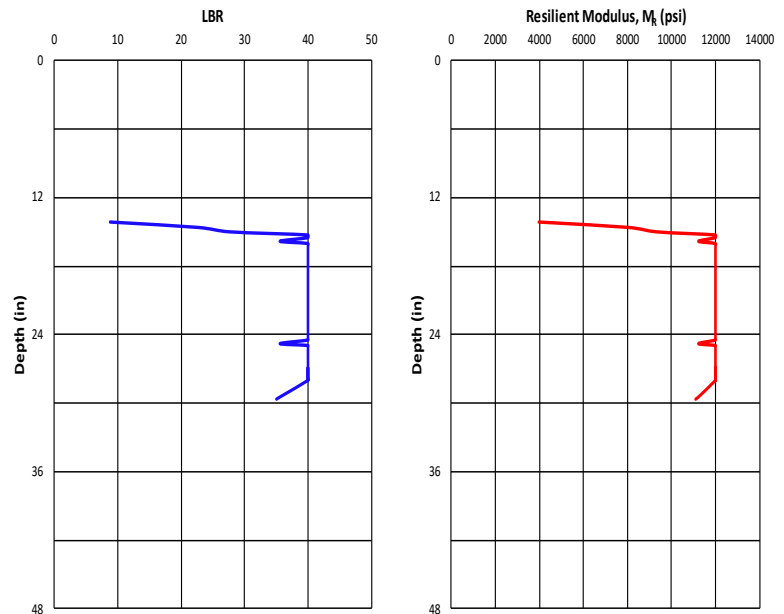
PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt
3.5	14.5	11.0	Shell (Avg min. LBR 40)
14.5	60.0	45.5	Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches

Base Refusal



Subgrade and Embankment



PAVEMENT CORE SUMMARY

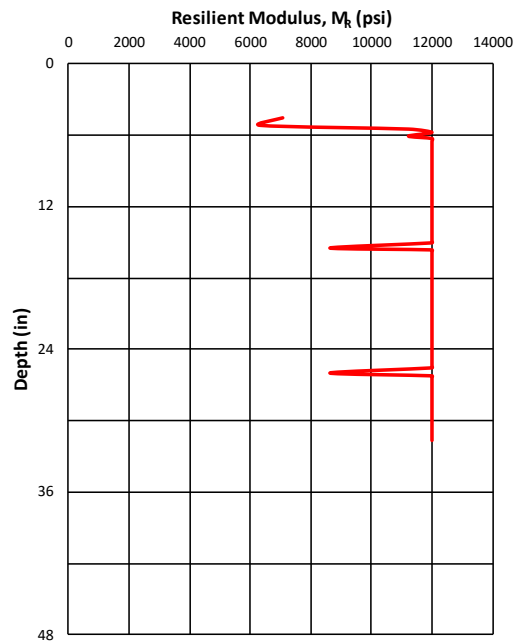
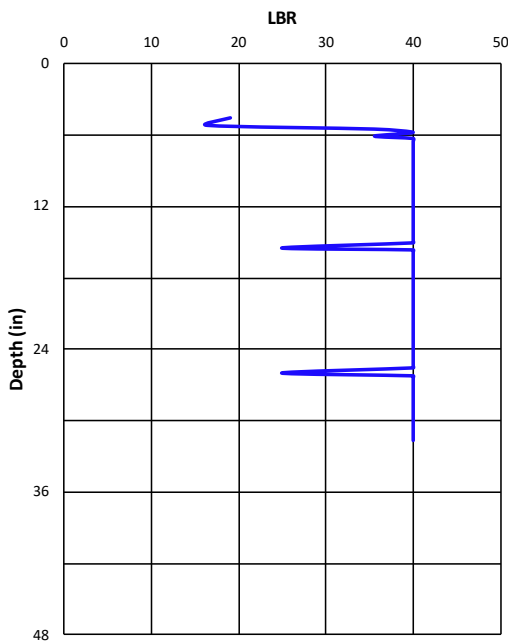
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-7
 LANE: Southbound, L2 (Center)
 DATE: 11-6-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt
3.5	14.0	10.5	Shell (Avg min. LBR 40)
14.0	60.0	46.0	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

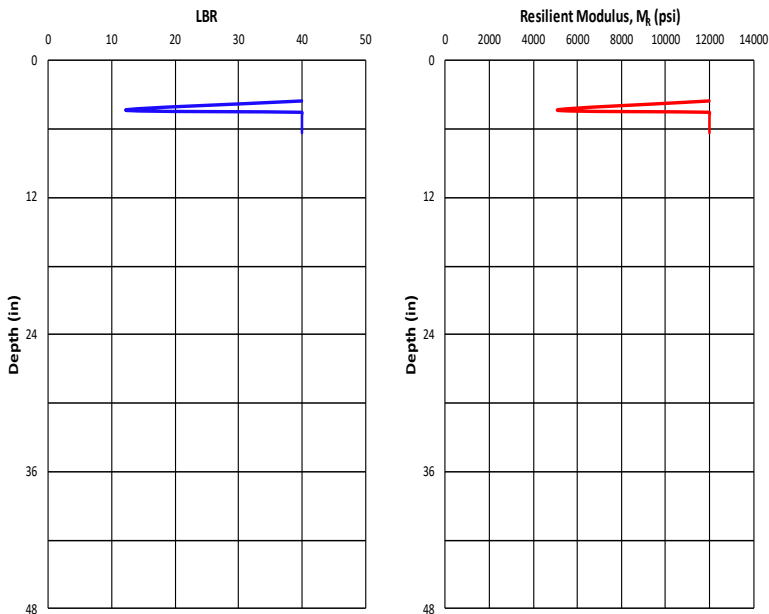
CORE ID: C-8
 LANE: Northbound, 1 (Inner)
 DATE: 11-6-23



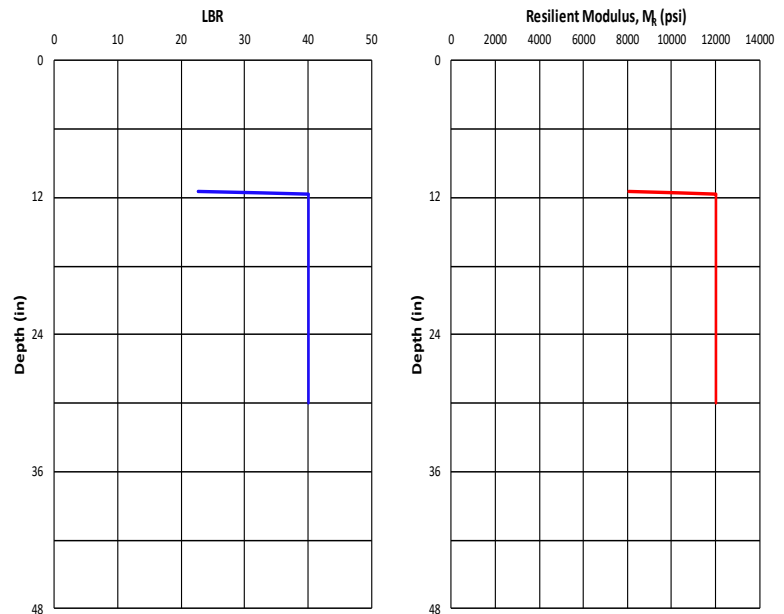
PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt
3.5	14.0	10.5	Shell(Avg min. LBR 40)
14.0	60.0	46.0	Dark Grey Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches

Base Refusal



Subgrade and Embankment



PAVEMENT CORE SUMMARY

PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

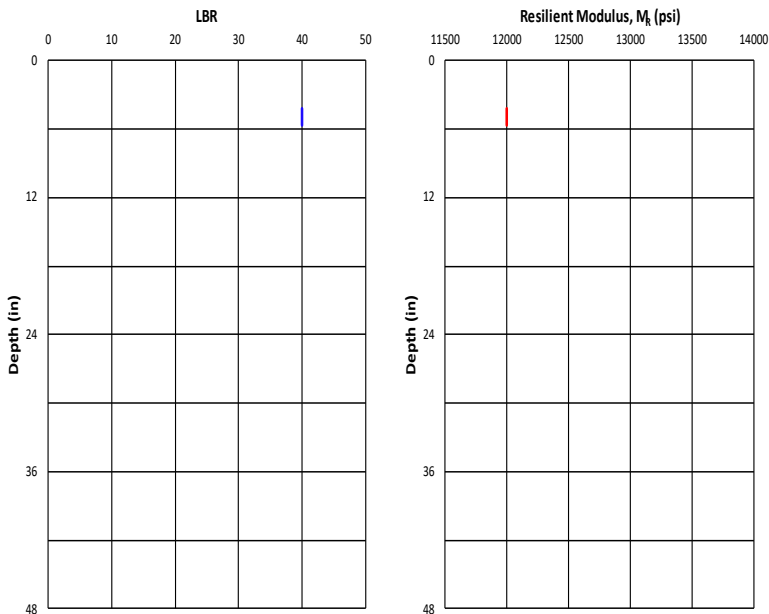
CORE ID: C-9
 LANE: Southbound, L2 (Outer)
 DATE: 11-6-23



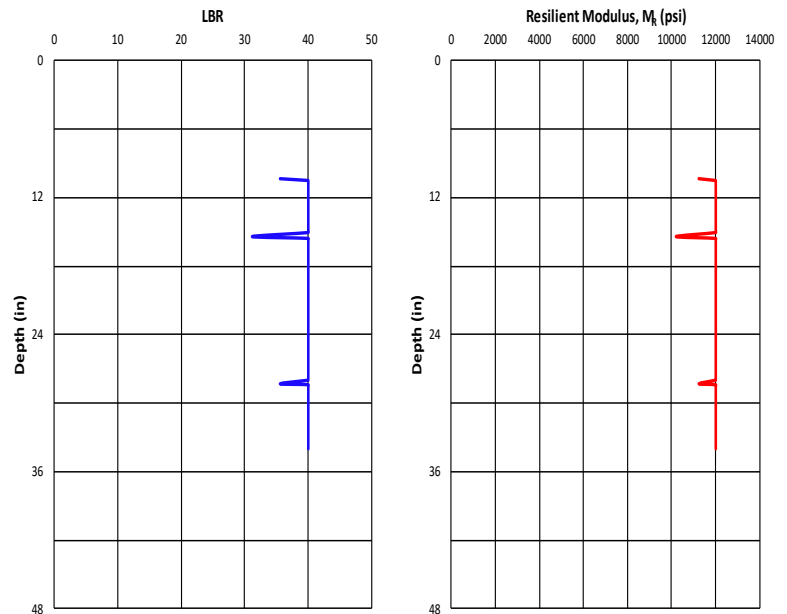
PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt
3.5	14.0	10.5	Shell(Avg min. LBR 40)
14.0	60.0	46.0	Dark Grey Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches

Base Refusal



Subgrade and Embankment



PAVEMENT CORE SUMMARY

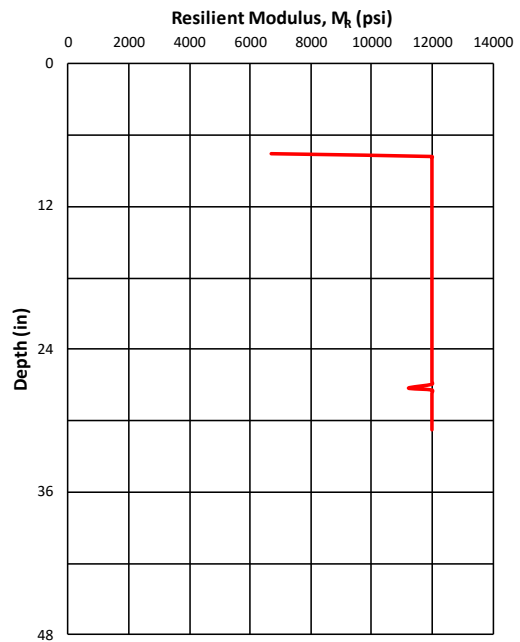
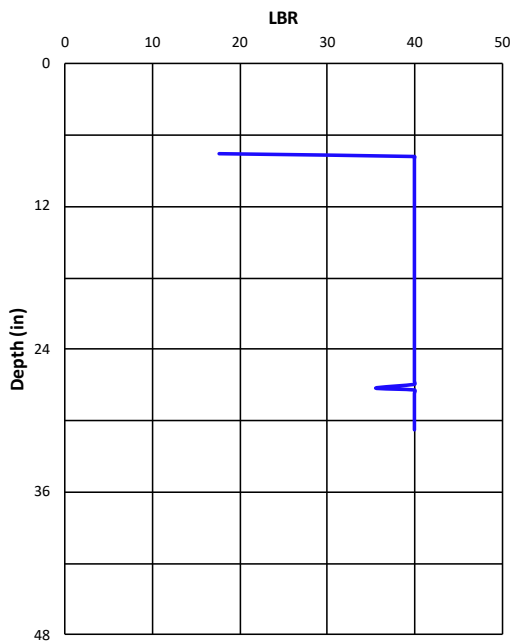
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-10
 LANE: Southbound, L1 (Outer)
 DATE: 11-6-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt
3.5	13.5	10.0	Shell(Avg min. LBR 40)
13.5	60.0	46.5	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches





PAVEMENT CORE SUMMARY

PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

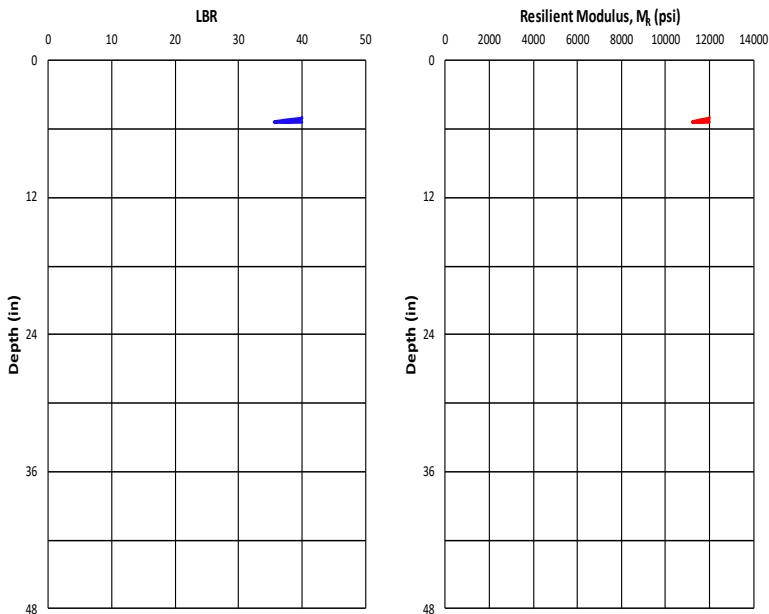
CORE ID: C-11
 LANE: Northbound, L2 (Inner)
 DATE: 11-8-23



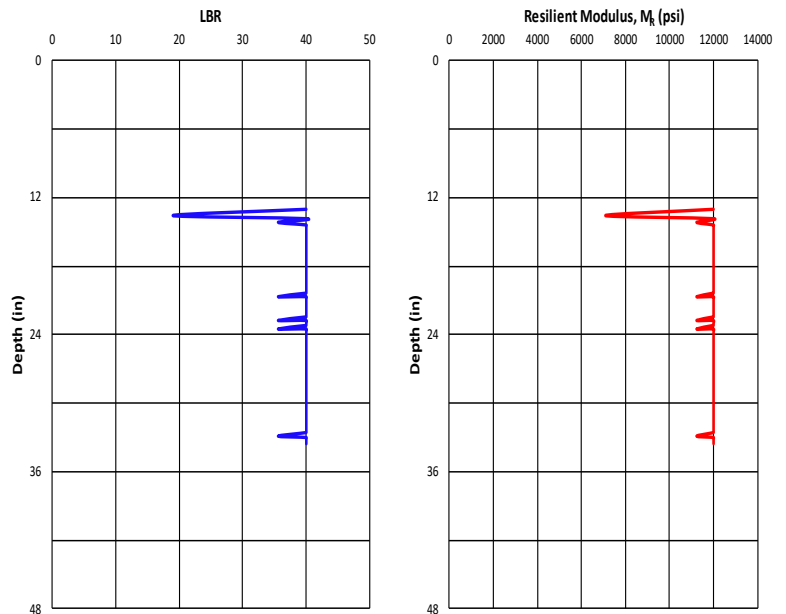
PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	2.75	2.75	Asphalt
2.75	12.25	9.5	Limerock (Avg min. LBR 40)
12.25	60.0	47.75	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches

Base Refusal



Subgrade and Embankment



PAVEMENT CORE SUMMARY

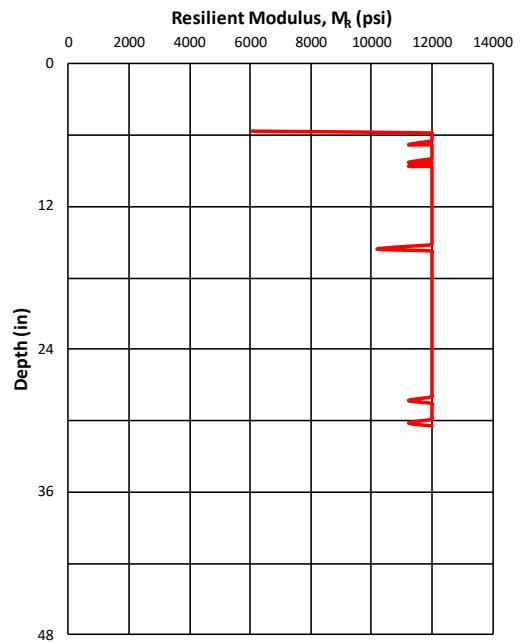
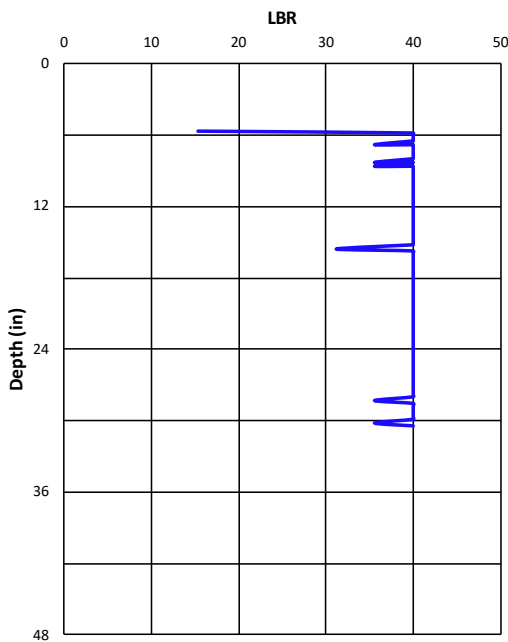
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-12
 LANE: Northbound, L1 (Center)
 DATE: 11-8-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt
3.5	12.75	9.25	Limerock (Avg min. LBR 40)
12.75	60.0	47.25	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

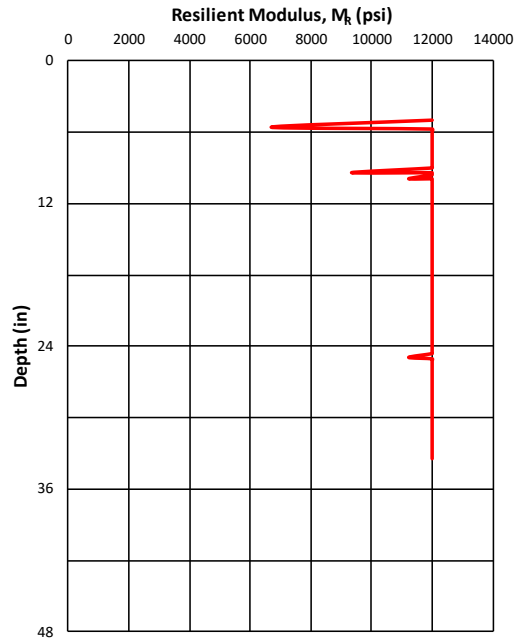
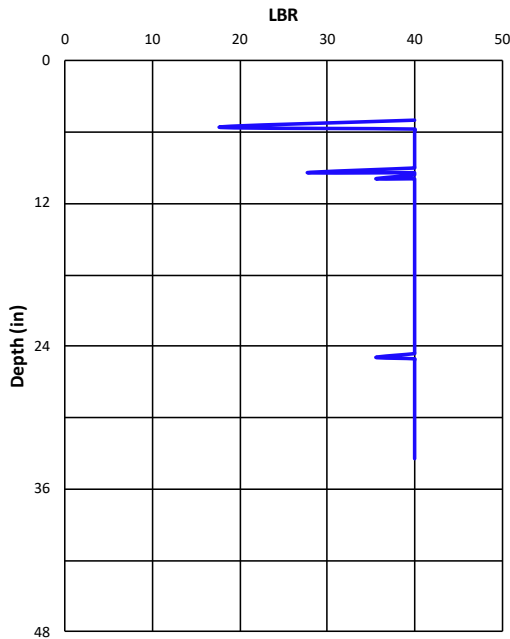
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-13
 LANE: Northbound, L2 (Center)
 DATE: 11-6-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.25	3.25	Asphalt (Full Depth Crack)
3.25	13.5	10.25	Limerock (Avg min. LBR 40)
13.5	60.0	46.5	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		60.0	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

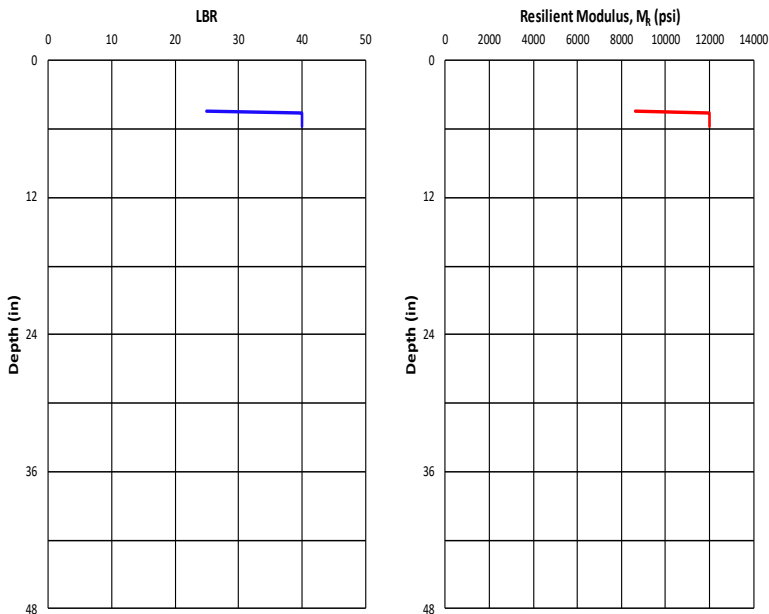
CORE ID: C-14
 LANE: Northbound, 1 (Inner)
 DATE: 11-6-23



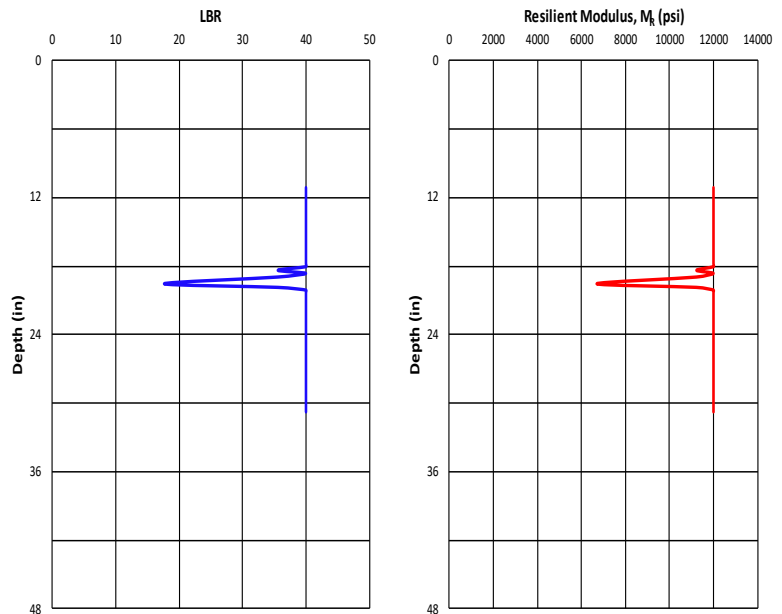
PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt (Full Depth Crack)
3.5	13.5	10.0	Limerock (Avg min. LBR 40)
13.5	60.0	46.5	Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches

Base Refusal



Subgrade and Embankment



PAVEMENT CORE SUMMARY

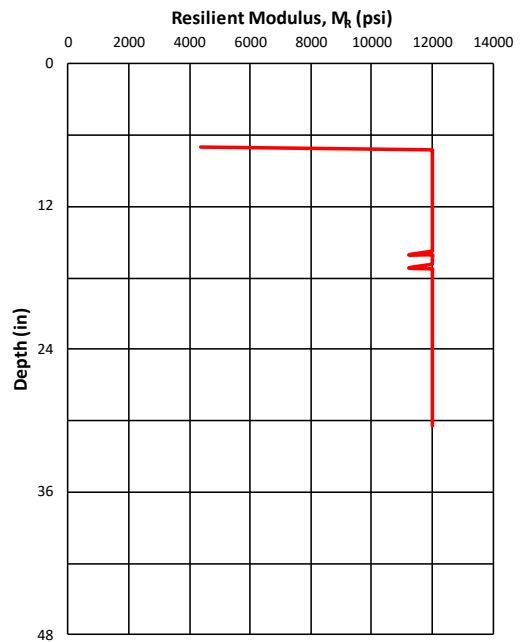
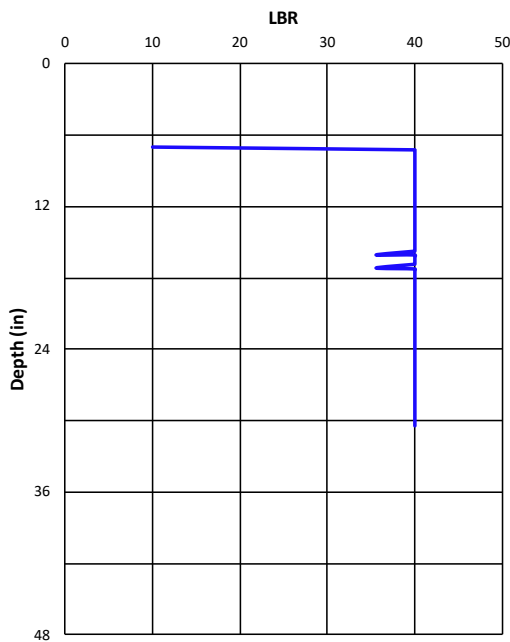
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-15
 LANE: Northbound, L2 (Outer)
 DATE: 11-6-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.75	3.75	Asphalt
3.75	13.75	10.0	Limerock (Avg min. LBR 40)
13.75	60.0	46.25	Dark Brown - Red Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

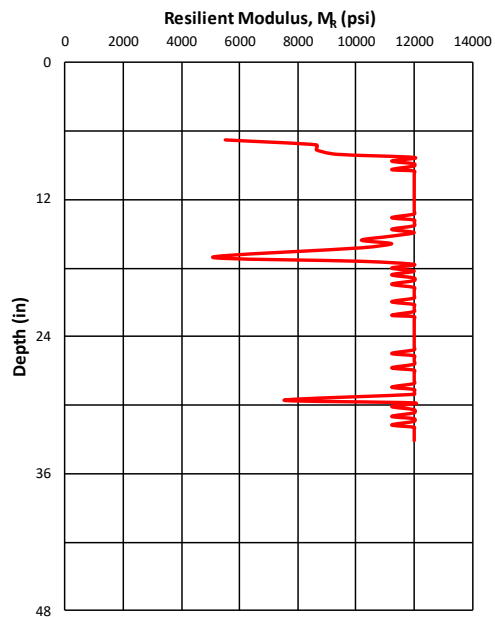
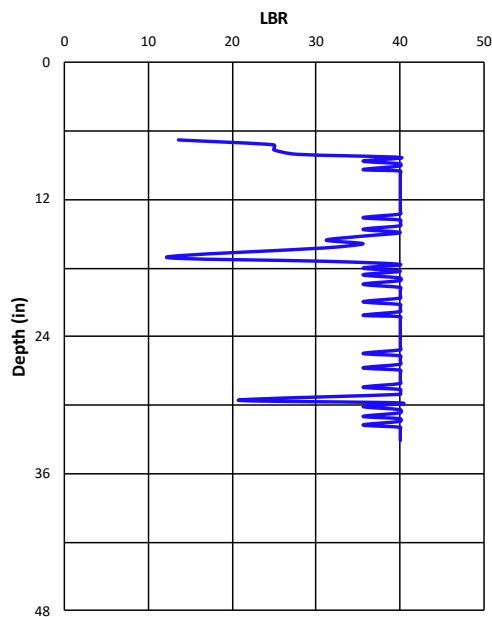
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-16
 LANE: Northbound, 1 (Outer)
 DATE: 11-8-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	4.0	4.0	Asphalt (Full Depth Crack)
4.0	15.0	11.0	Shell (Avg min. LBR 40)
15.0	60.0	45.0	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

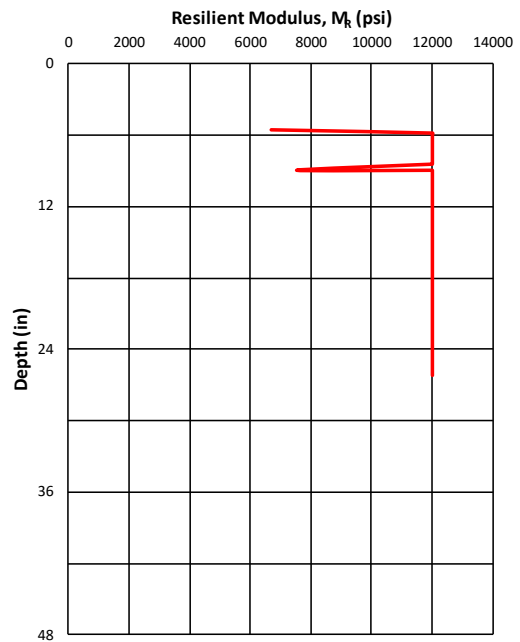
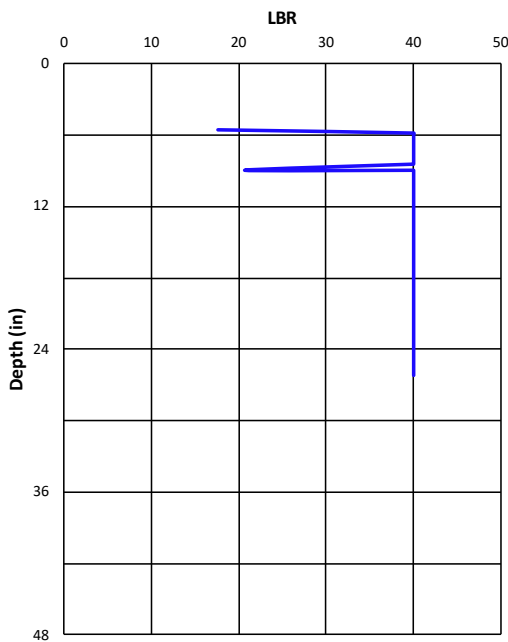
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-17
 LANE: Northbound, L2 (Inner)
 DATE: 11-7-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.0	3.0	Asphalt
3.0	15.0	12.0	Limerock (Avg min. LBR 40)
15.0	60.0	45.0	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

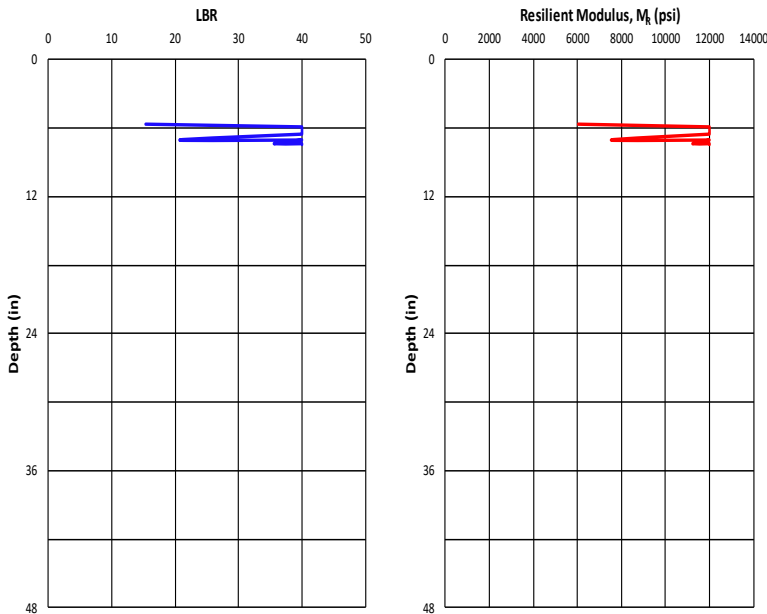
CORE ID: C-18
 LANE: Northbound, L1 (Center)
 DATE: 11-8-23



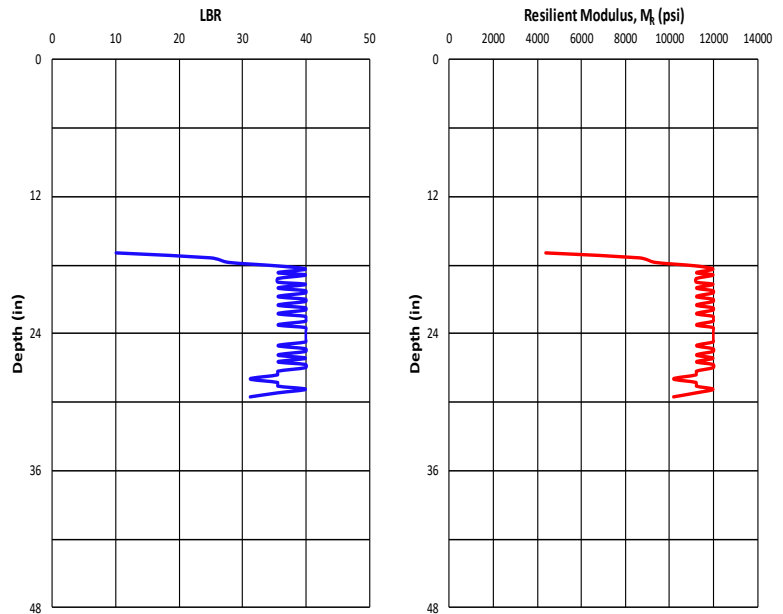
PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt (Full Depth Crack)
3.5	13.5	10.0	Limerock (Avg min. LBR 40)
13.5	60.0	46.5	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches

Base Refusal



Subgrade and Embankment



PAVEMENT CORE SUMMARY

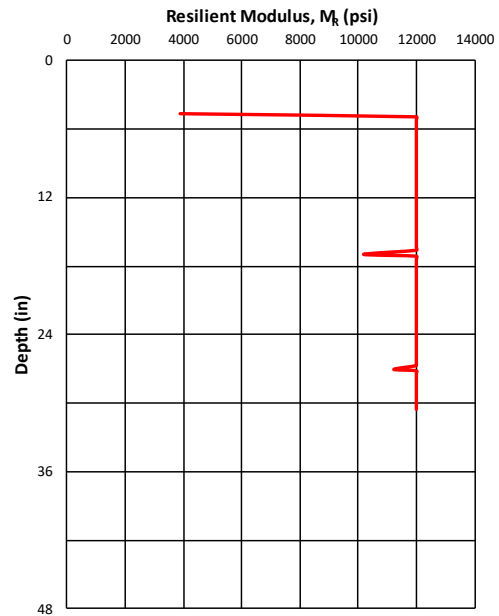
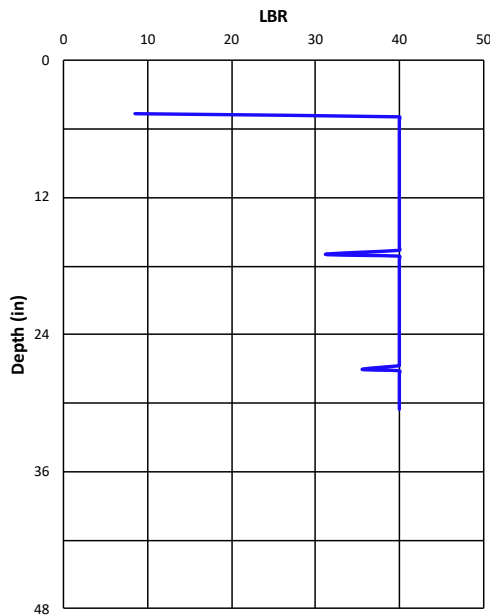
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-19
 LANE: Northbound, L2 (Outer)
 DATE: 11-8-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	2.75	2.75	Asphalt
2.75	12.0	9.25	Limerock (Avg min. LBR 40)
12.0	60.0	48.0	Light Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

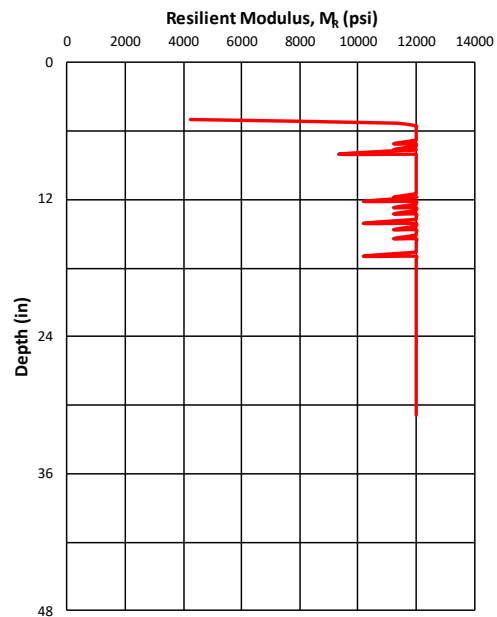
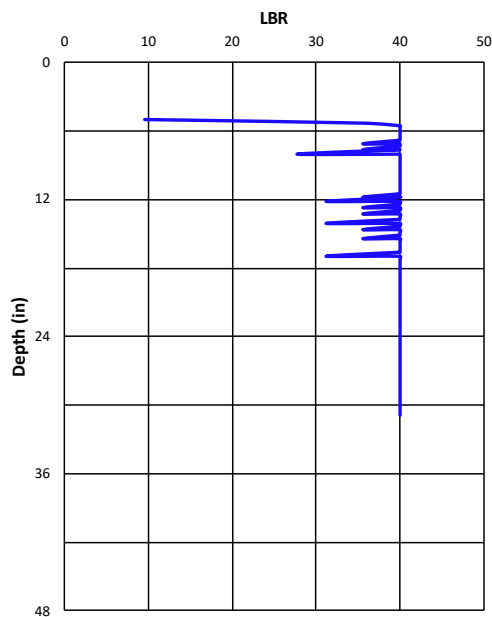
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-20
 LANE: Northbound, L1 (Inner)
 DATE: 11-8-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.0	3.0	Asphalt (Full Depth Crack)
3.0	12.0	9.0	Limerock (Avg min. LBR 40)
12.0	60.0	48.0	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

PROJECT NAME: Lakewood Ranch Blvd
PROJECT NO.: T092323.145
CLIENT: Manatee County

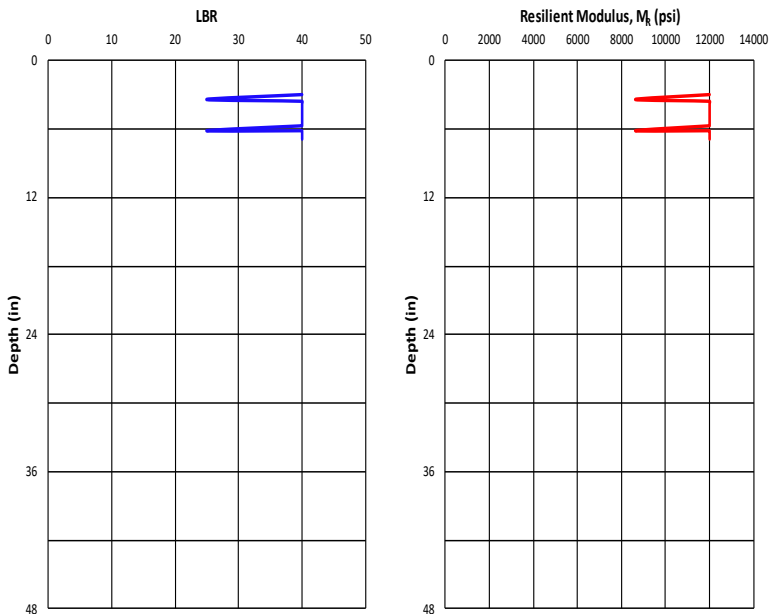
CORE ID: C-21
LANE: Northbound, L2 (Center)
DATE: 11-9-23



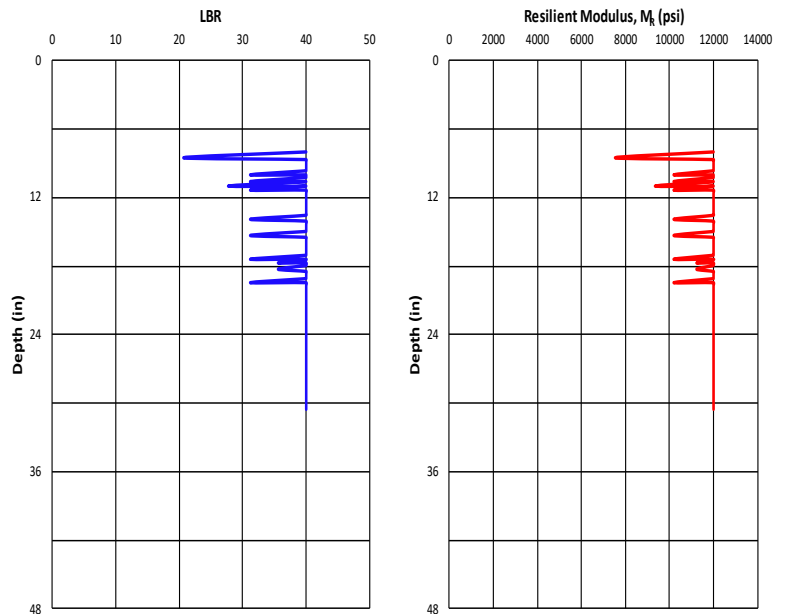
PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.0	3.0	Asphalt
3.0	14.0	11.0	Limerock (Avg min. LBR 40)
14.0	60.0	46.0	Grey Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches

Base Refusal



Subgrade and Embankment



PAVEMENT CORE SUMMARY

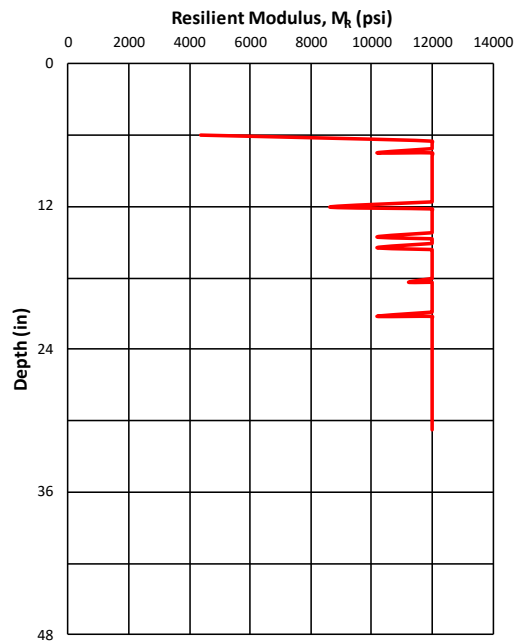
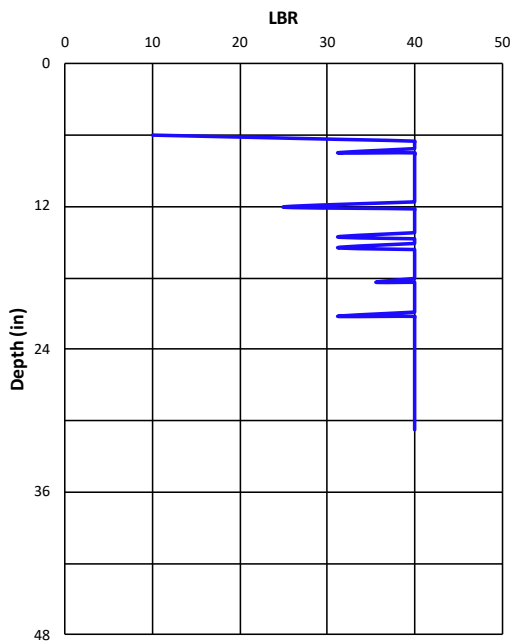
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-22
 LANE: Northbound, L1 (Center)
 DATE: 11-9-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.0	3.0	Asphalt
3.0	15.5	12.5	Limerock(Avg min. LBR 40)
15.5	60.0	44.5	Light Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

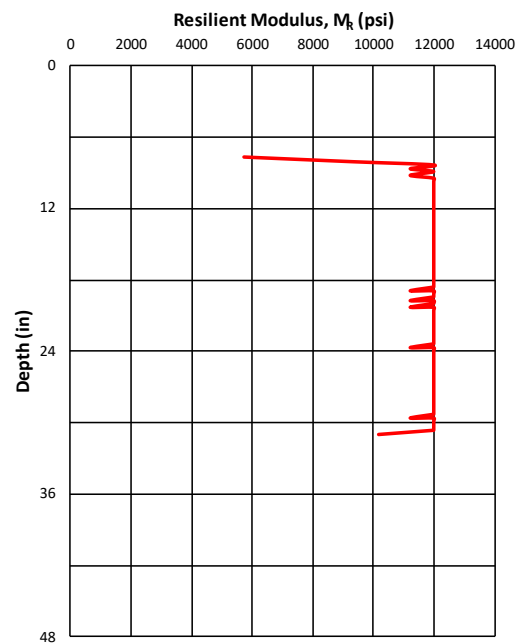
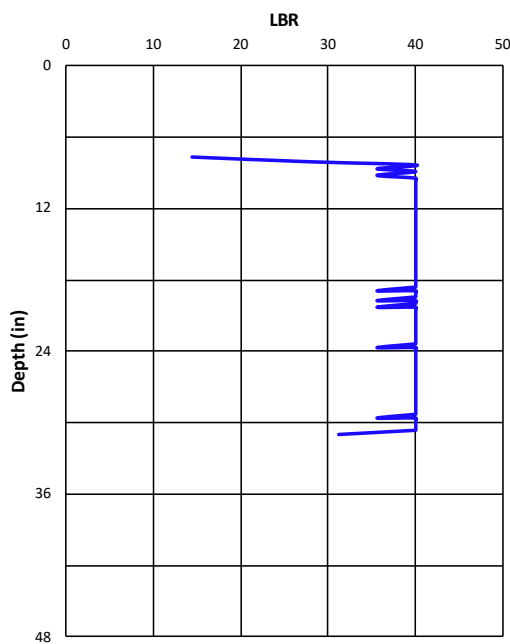
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-23
 LANE: Northbound, L2 (Outer)
 DATE: 11-7-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt
3.5	14.0	10.5	Limerock (Avg min. LBR 40)
14.0	60.0	46.0	Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

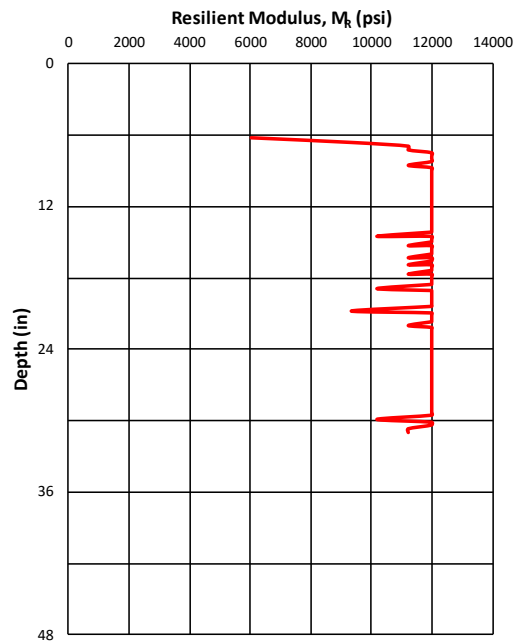
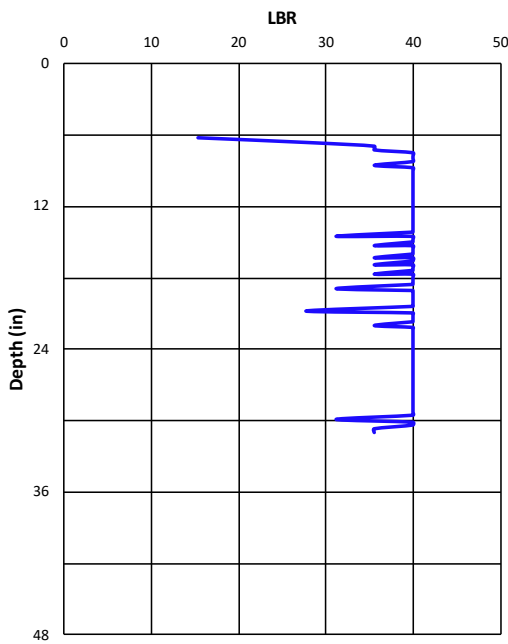
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-24
 LANE: Northbound, L1 (Inner)
 DATE: 11-9-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.0	3.0	Asphalt (Full Depth Crack)
3.0	15.25	12.25	Limerock (Avg min. LBR 40)
15.25	60.0	44.75	Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

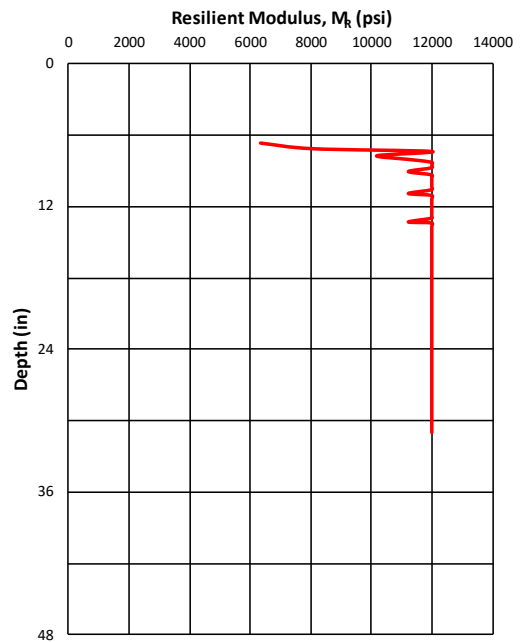
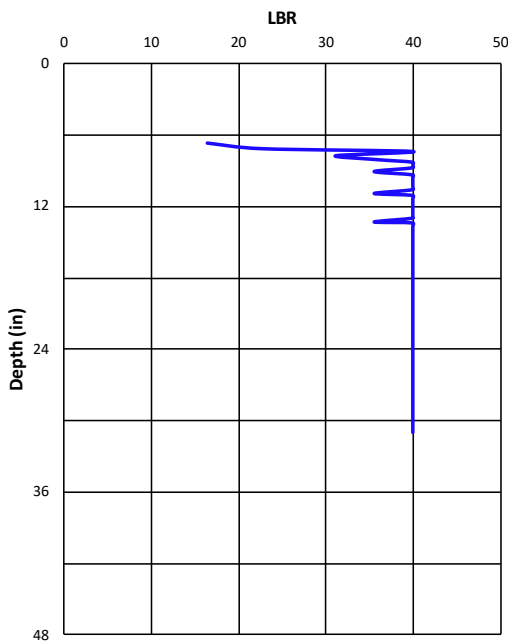
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-25
 LANE: Northbound, L2 (Inner)
 DATE: 11-9-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.0	3.0	Asphalt
3.0	14.0	11.0	Limerock (Avg min. LBR 40)
14.0	60.0	46.0	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		60.0	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

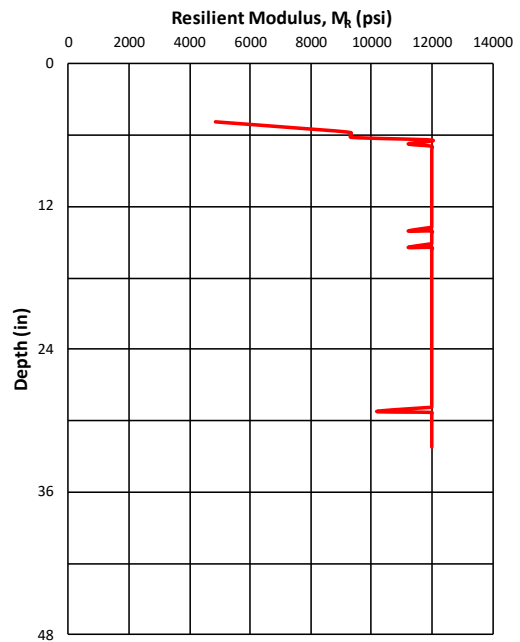
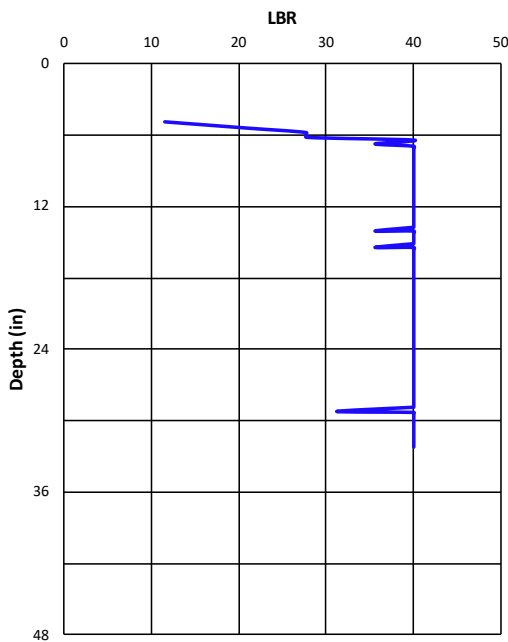
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-26
 LANE: Northbound, L2 (Center)
 DATE: 11-9-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.25	3.25	Asphalt
3.25	14.5	11.25	Limerock (Avg min. LBR 40)
14.5	60.0	45.5	Dark Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

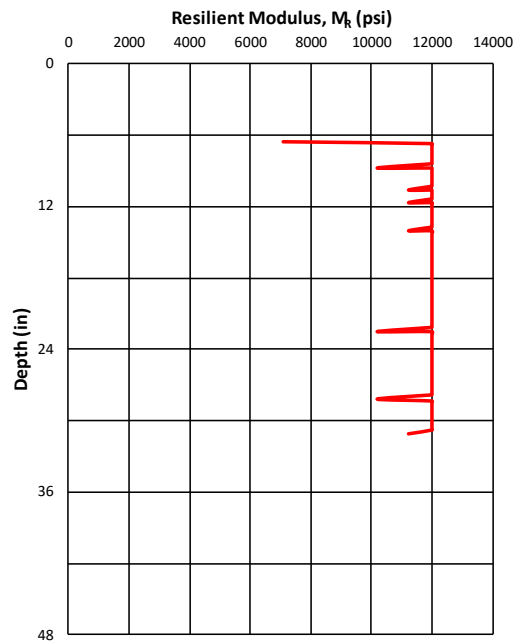
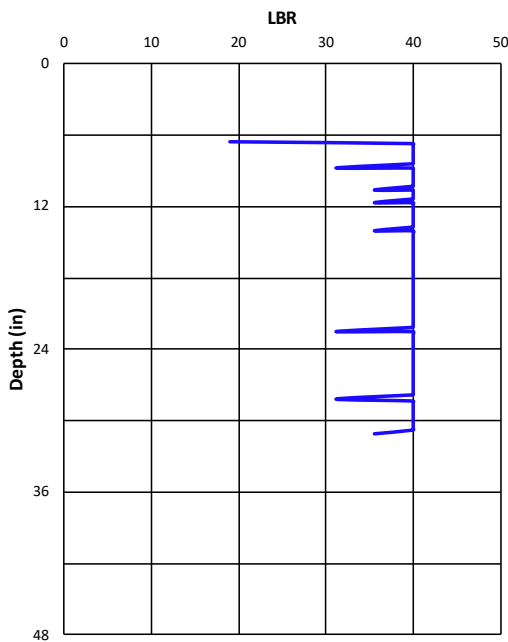
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-27
 LANE: Northbound, 1 (Outer)
 DATE: 11-9-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	3.5	3.5	Asphalt (Full Depth Crack)
3.5	15.0	11.5	Limerock (Avg min. LBR 40)
15.0	60.0	45.0	Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches



PAVEMENT CORE SUMMARY

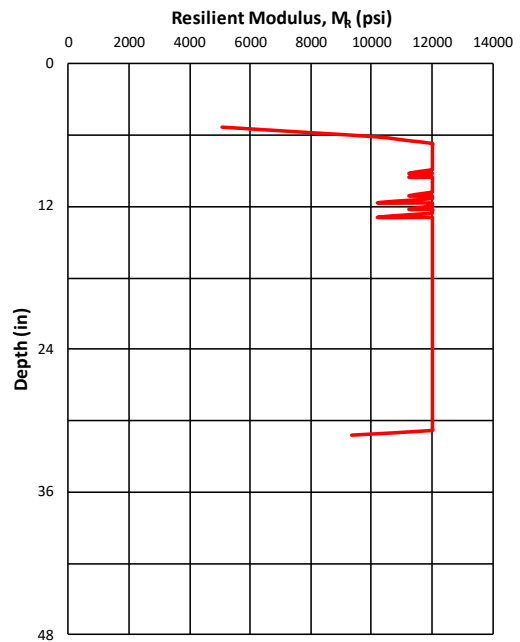
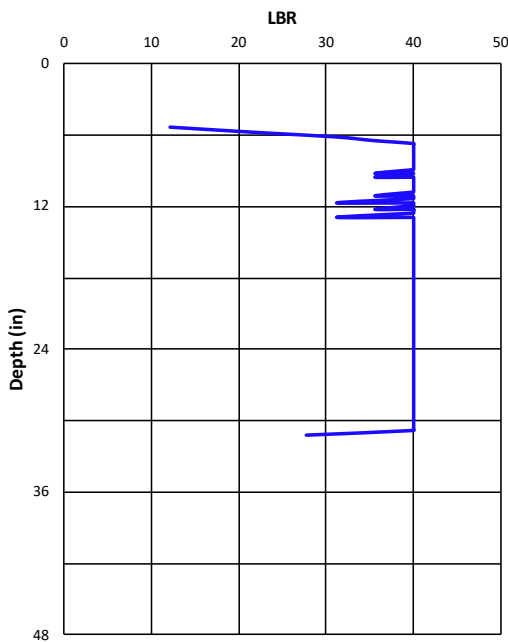
PROJECT NAME: Lakewood Ranch Blvd
 PROJECT NO.: T092323.145
 CLIENT: Manatee County

CORE ID: C-28
 LANE: Northbound, 1 (Outer)
 DATE: 11-9-23



PAVEMENT AND SUBSURFACE CONDITIONS

Layer Depth (in)		Thickness (in)	Description
From	To		
0.0	4.0	4.0	Asphalt (Full Depth Crack)
4.0	14.5	10.5	Limerock (Avg min. LBR 40)
14.5	60.0	45.5	Brown Fine SAND (A-3) (Avg min. LBR 40)
Water Table Depth (in):		GNE	Borehole terminated at 60 inches





PAVEMENT CORE SUMMARY

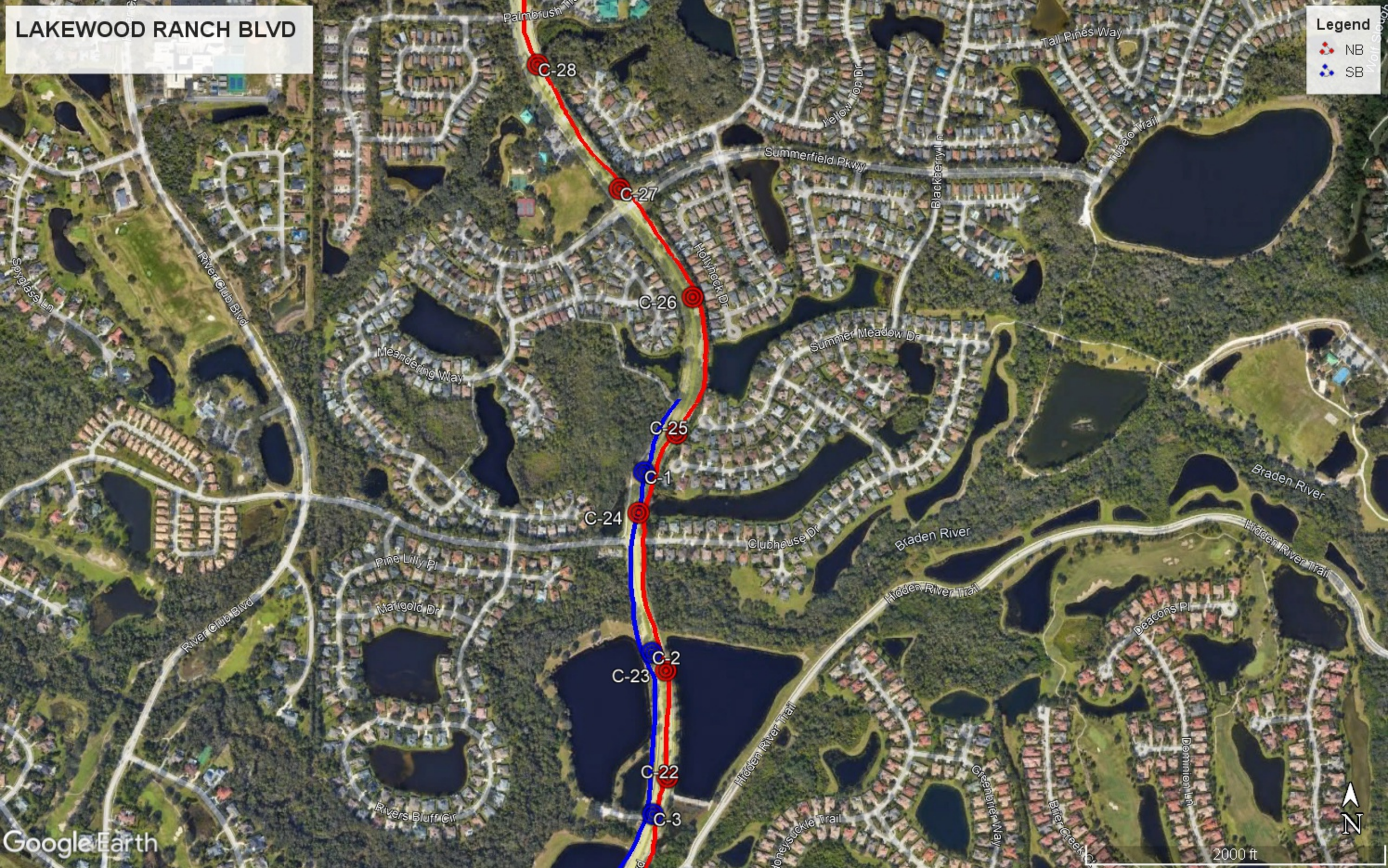
General Notes:

1. Coordinates obtained from Garmin eTrex 10 handheld GPS device.
2. Pavement core photographs may not be representative of the entire pavement core section observed.
3. DCP data obtained from SAPPER ADCP manufactured by Kessler Soil Engineering Products, Inc.
4. DCP data was terminated at 30" +/- 2" due to soil discrepancies.
5. CBR estimated from DCP per ASTM D6951. LBR estimated from CBR per "Development of an Automated Dynamic Cone Penetrometer for Evaluating Soils and Pavement Materials," 1998, Parker, Hammons, and Hall, prepared for the FDOT.
6. M_R estimated from LBR per correlation published in the FDOT Flexible Pavement Design Manual, Section 5.2.4.

LAKWOOD RANCH BLVD

Legend

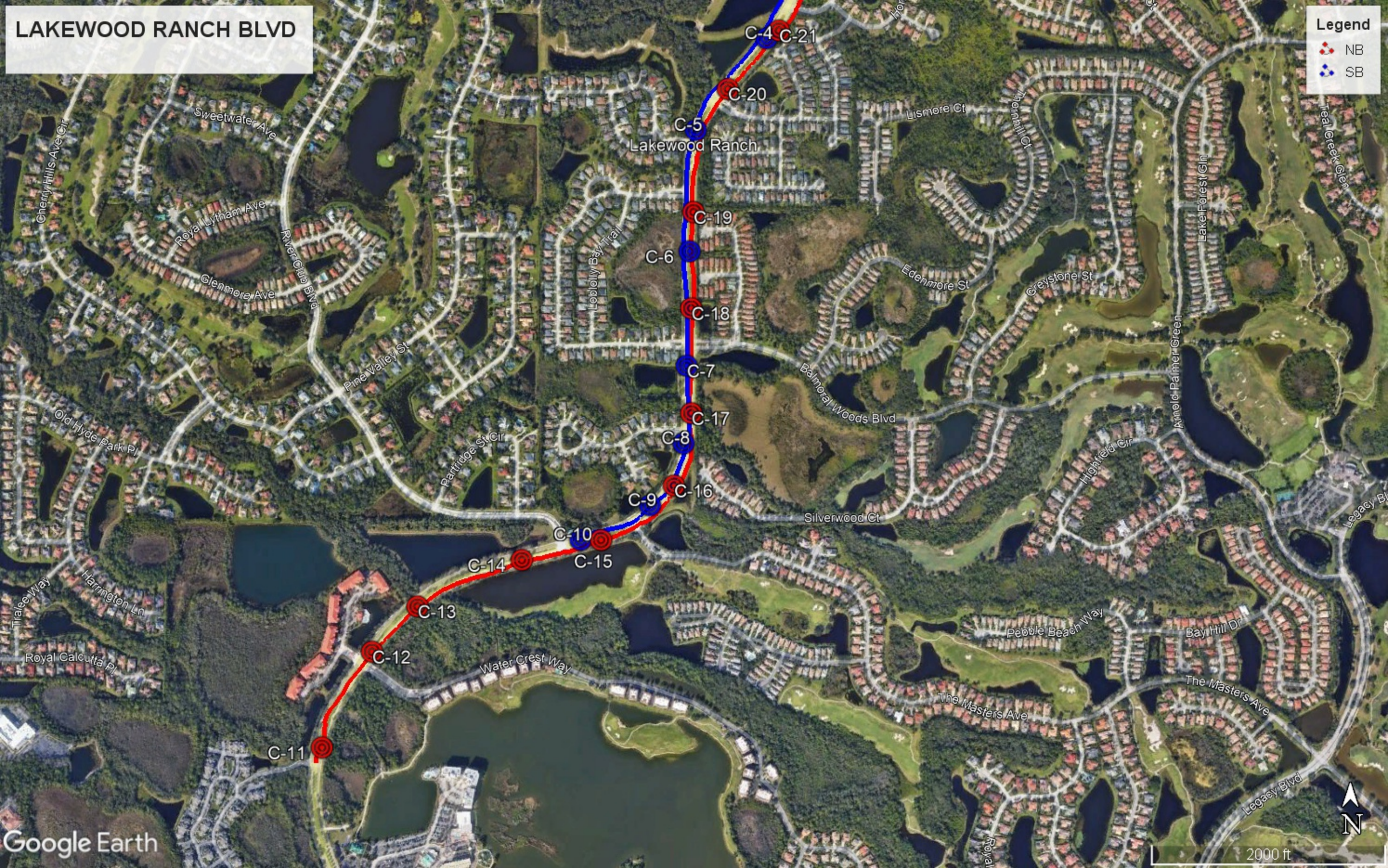
- NB
- SB



LAKEWOOD RANCH BLVD

Legend

- NB
- SB



COORDINATE TABLE

Lakewood Ranch Blvd		
Core ID	Decimal Degrees	
	Latitude	Longitude
C-1	27.4222074	82.425769
C-2	27.4189168	82.4256121
C-3	27.4159716	82.4255876
C-4	27.4141918	82.4265897
C-5	27.4120545	82.4284498
C-6	27.4092243	82.4286131
C-7	27.4065571	82.4286892
C-8	27.4047484	82.4287721
C-9	27.4033035	82.4296548
C-10	27.402499	82.4314757
C-11	27.3976542	82.4382667
C-12	27.3998876	82.4369518
C-13	27.4009443	82.4357589
C-14	27.4020269	82.4330193
C-15	27.402493	82.43094
C-16	27.4037625	82.4290235
C-17	27.4054502	82.4285679
C-18	27.4078962	82.4285702
C-19	27.4101386	82.4285115
C-20	27.4130108	82.4276093
C-21	27.4143715	82.4262665
C-22	27.4166409	82.4252885
C-23	27.4185867	82.425321
C-24	27.4214631	82.425883
C-25	27.4229068	82.4251024
C-26	27.4253908	82.4247709
C-27	27.4273606	82.4262689
C-28	27.4296247	82.427949