

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
	60-(1,2) HL-1	MADISON	12
		ILLINOIS	CONTRACT NO. 1

08-04-2023 LETTING ITEM 084

PROPOSED HIGHWAY PLANS

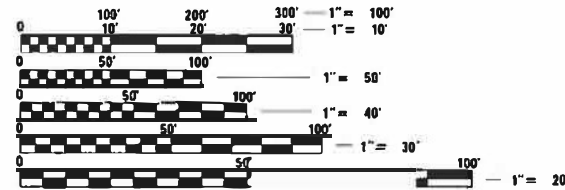
SEE INDEX OF SHEETS, SEE SHEET NO.2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO.2

POSTED SPEED LIMIT
I-55 = 70 MPH
IL 140 = 40 MPH
RAMPS = 50 MPH

FAI ROUTE 55 (I-55)
PROJECT NHPP-43E4(178)
SECTION: 60-(1,2) HL-1
PROJECT DESCRIPTION: HIGHWAY LIGHTING
MADISON COUNTY
C-98-082-22

	ADT (TOTAL)	(TRUCKS)	
		MU	SU
I-55	38,600 (2021)	6400	1,375 (2021)
IL-140	8,500 (2021)	1150	1,150 (2021)
NB I-55 TO IL-140	2,800 (2016)		
IL-140 TO NB I-55	2,300 (2016)		
IL-140 TO SB I-55	2,900 (2016)		
SB I-55 TO IL-140	2,300 (2016)		

MUNICIPALITY:
VILLAGE OF HAMEL

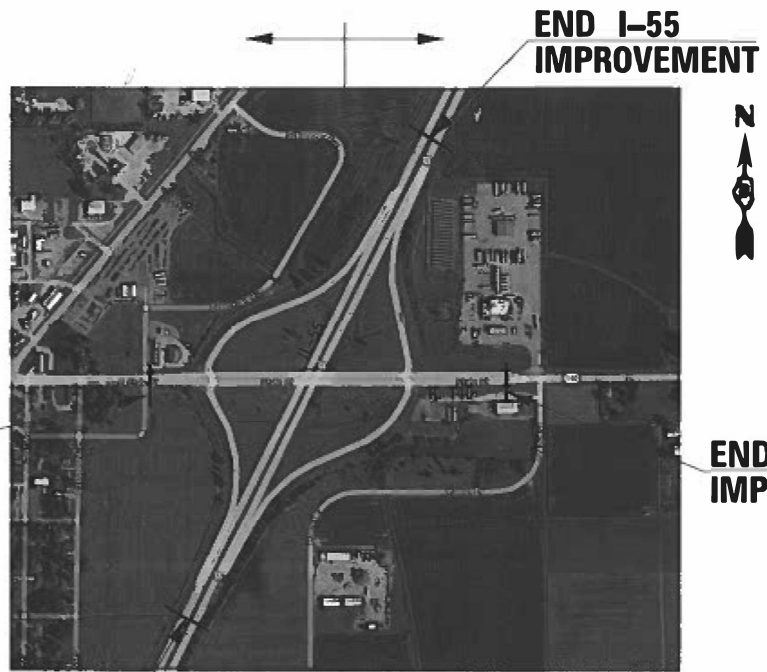


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: CHERYL KEPLAR
PROJECT MANAGER: RICHARD BARBEE

CONTRACT NO. 76R27



LOCATION MAP
NOT TO SCALE



LICENSE EXPIRES: 11-30-2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Dec 5, 22*
Richard H. Brown
REGIONAL ENGINEER

May 12, 2023 *John A. Etk*
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023 *Stephen M. Smith*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 REMOVAL LIGHTING PLAN
- 5 PROPOSED LIGHTING PLAN
- 6 WIRING DIAGRAM AND LUMINAIRE PERFORMANCE TABLE
- 7 - 12 SOIL BORING LOGS

IDOT HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701901-08 TRAFFIC CONTROL DEVICES
- 821101-02 LUMINAIRE WIRING IN POLE
- 825026-04 LIGHTING CONTROLLER BASE MOUNT 480V
- 835001-01 LIGHT TOWER
- 837001-05 LIGHT TOWER FOUNDATION
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETIALS

GENERAL NOTES:

1. THIS PROJECT INCLUDES THE INSTALLATION OF A NEW LIGHTING SYSTEM ALONG THE INTERCHANGE OF I-55 AND IL-140. PROPOSED LIGHTING SHALL BE OWNED AND MAINTAINED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION.
2. THE CONTRACTOR SHALL CONTACT THE LOCAL ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRIC SERVICE INSTALLATION WORK.
3. THE QUANTITIES OF RACEWAY WHERE INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS
4. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
5. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF HIGH MAST TOWER AND CONDUITS. IF THERE IS A CONFLICT WITH THE HIGH MAST TOWERS/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST THE ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING CONSTRUCTION WORK
6. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
7. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.
8. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.
9. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, TREES AND ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.
10. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING HIGH MAST TOWER FOUNDATIONS TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES. WHEN CONFLICTS ARE ENCOUNTERED, THE CONTRACTOR SHALL REQUEST TO RELOCATE THE FOUNDATION. THE NEW LOCATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
11. GROUND RODS SHALL BE INSTALLED AT EACH TOWER.

REV. - MS

LT-01

MODEL: MODEL NAMES
FILE NAME: SHEETS



USER NAME = \$USERS	DESIGNED - AM/HM	REVISED -
	DRAWN - AM	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - KK/HM	REVISED -
PLOT DATE = \$DATES	DATE - 01/31/23	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX FOR SHEETS, HIGHWAY STANDARDS AND GERNERAL NOTES
I-55 AT IL 140**

SCALE: NONE SHEET 1 OF 1 SHEETS STA TO STA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2) HL-1	MADISON	12	2
CONTRACT NO. 76R27			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
				0021 90% FED 10% STATE	
67100100	MOBILIZATION	L SUM	1	1	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	
81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	490	490	
81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	500	500	
81603032	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	6060	6060	
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2	2	
82110015	LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION H	EACH	24	24	
82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1	1	
83503400	LIGHT TOWER, 110 FT. MOUNTING HEIGHT, LUMINAIRE MT - 6	EACH	4	4	
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	76	76	
84200605	REMOVAL OF LIGHTING TOWER, NO SALVAGE	EACH	4	4	
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1	
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1	1	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
				0021 90% FED 10% STATE	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5910	5910	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	4	4	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	250	250	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	7	7	

* SPECIALTY ITEM

REV. - MS

LT-02

MODEL NUMBER: 11/13
FILE NAME: 11/13



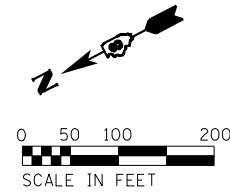
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PLOT SCALE = \$SCALE\$	DRAWN - AM	REVISED -
PLOT DATE = \$DATE\$	CHECKED - KK/HM	REVISED -
	DATE - 01/31/23	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-55 AT IL 140

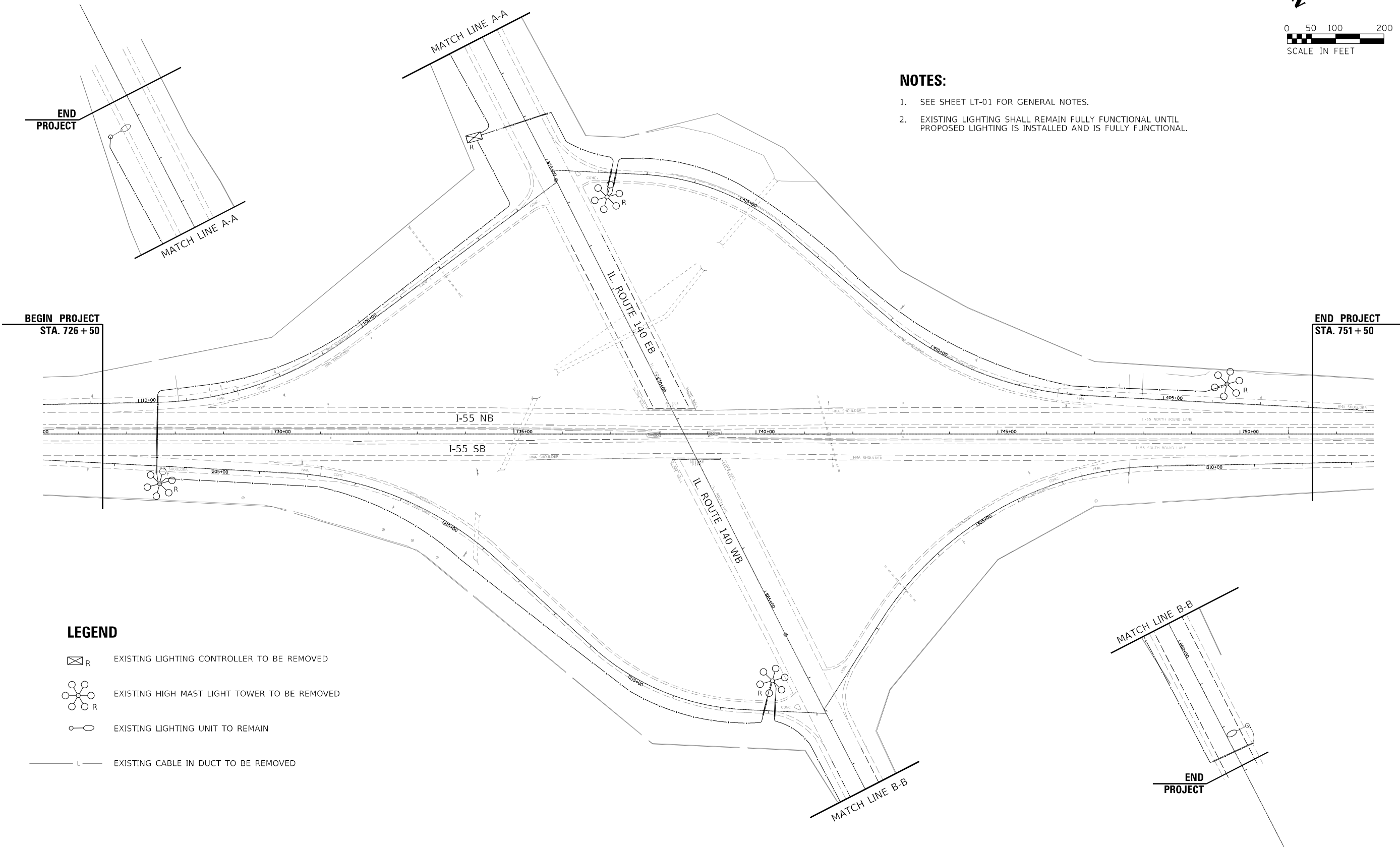
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2) HL-1	MADISON	12	3
			CONTRACT NO. 76R27	
ILLINOIS FED. AID PROJECT				



NOTES:

1. SEE SHEET LT-01 FOR GENERAL NOTES.
2. EXISTING LIGHTING SHALL REMAIN FULLY FUNCTIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND IS FULLY FUNCTIONAL.



END PROJECT

BEGIN PROJECT
STA. 726 + 50

END PROJECT
STA. 751 + 50

LEGEND

- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING HIGH MAST LIGHT TOWER TO BE REMOVED
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING CABLE IN DUCT TO BE REMOVED

MODEL: I:\MODELS\I-55\I-55.LIN
FILE: I-55.LIN



USER NAME = \$USERS	DESIGNED - AM/HM	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - AM	REVISED -
PLOT DATE = \$DATE\$	CHECKED - KK/HM	REVISED -
	DATE - 01/31/23	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55 AT IL 140**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2) HL-1	MADISON	12	4
CONTRACT NO. 76R27			ILLINOIS FED. AID PROJECT	

LT-03



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/14/98

ROUTE FAI 55 DESCRIPTION Sign Truss Ramp A - Southbound Homestead Rest Area LOGGED BY Larry Ford

SECTION 60-1RA,SG LOCATION SEC. 23, TWP. 5N, RNG. 7W, 3rd PM, Latitude, Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. N/A Station N/A
BORING NO. B-1 Station 101+75 Offset 14.0 ft Right BL
Ground Surface Elev. 534.80 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter ft
Upon Completion 523.8 ft
After Hrs.

DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	S (%)	P (%)	DEPTH (ft)	U (tsf)	S (%)	P (%)
4	Brown and Gray Silty CLAY				4	1.8	15	
5		1.9	20		5	5.6	9	
9		S/15			4	5.0	9	
4		2.4	25		4	5.0	9	
6		B			3			
2		2.1	25		2			
3		S/15			3			
1		0.9	25		2			
4		S/15			3			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
4		1.1	23		12			
3		S/15			2			
2		2.1	25		4			
3		S/15			5			
1		0.9	25		2			
4		S/15			3			
3		1.7	22		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
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3		S/15			7			
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3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
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1		0.9	25		4			
4		S/15			5			
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3		S/15			4			
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3		S/15			7			
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3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
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1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
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3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
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3		S/15			2			
1		0.9	25		4			
4		S/15			5			
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4		1.1	23		5			
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2		2.1	25		12			
3		S/15			2			
1		0.9	25		4			
4		S/15			5			
3		1.6	23		3			
5		B			5			
4		1.7	22		3			
3		S/15			4			
4		1.1	23		5			
3		S/15			7			
2		2.1	25		12			
3		S						



SOIL BORING LOG

Date 10/4/96

ROUTE _____ DESCRIPTION Homestead Rest Area - High Mast Lighting - Southbound LOGGED BY Larry Ford

SECTION 60-1RA,L LOCATION SE 1/4, SW 1/4, SEC. 14, TWP. 5N, RNG. 7W, 3rd PM, Latitude, Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. N/A Station N/A
 BORING NO. #3 Station 207+30 Offset 265.0 ft Left Ground Surface Elev. 534.80 ft
 DEPTH (ft) BLOW S (6") UCS (tsf) M O I S T

DEPTH (ft)	BLOW S (6")	UCS (tsf)	M O I S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter ft	Upon Completion 518.3 ft	After Hrs.
42	3.5	14						
45	S/5							
511.80								
530.80								
-5	3							
4	1.4 S/10	24						
538.80								
-5	3							
4	1.4 S/5	23						
5								
508.80								
2								
2	1.5 S/10	23						
4								
-10	2							
3	1.6 S/10	21						
5								
2								
5	1.9 S/5	18						
7								
-15	2							
3	1.3 S/15	22						
4								
7								
30	3.9 S/5	11						
50								
515.30								
514.80	-20	40						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 10/4/96

ROUTE _____ DESCRIPTION Homestead Rest Area - High Mast Lighting - Southbound LOGGED BY Larry Ford

SECTION 60-1RA,L LOCATION SE 1/4, SW 1/4, SEC. 14, TWP. 5N, RNG. 7W, 3rd PM, Latitude, Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. N/A Station N/A
 BORING NO. #4 Station 206+80 Offset 107.0 ft Right Ground Surface Elev. 531.70 ft
 DEPTH (ft) BLOW S (6") UCS (tsf) M O I S T

DEPTH (ft)	BLOW S (6")	UCS (tsf)	M O I S T	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter ft	Upon Completion 520.2 ft	After Hrs.
24	3.9	9						
30	S/5							
4								
5	1.0 S/10	19						
7								
-5	3							
4	1.5 S/15	19						
5								
505.70								
2								
4	1.6 S/5	22						
5								
-10	3							
5	2.0 S/10	19						
6								
0								
2								
3	NC	19						
-15	8							
14	3.7 S/5	10						
30								
18								
22	5.3 S/10	10						
36								
-20	12							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL NUMBER: 11/01/96
 FILE NAME: SBL03



USER NAME = \$USERS	DESIGNED - AM/HM	REVISED -
DRAWN - AM	REVISIONS -	
PLOT SCALE = \$SCALES	CHECKED - KK/HM	REVISED -
PLOT DATE = \$DATES	DATE - 01/31/23	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2) HL-1	MADISON	12	9
CONTRACT NO. 76R27			ILLINOIS FED. AID PROJECT	

SBL-03



SOIL BORING LOG

ROUTE _____ DESCRIPTION Homestead Rest Area - High Mast Lighting - Southbound LOGGED BY Larry Ford

SECTION 60-1RA,L LOCATION SE 1/4, SW 1/4, SEC. 14, TWP. 5N, RNG. 7W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. #5
Station 211+80
Offset 112.0 ft Right
Ground Surface Elev. 526.00 ft

D E P T H ft	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. ft	D E P T H ft	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)
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Brown Clay LOAM									
				17	8.3	9			
				22	S/10				

END OF BORING
End of Boring

Brown Loamy SAND									

Brown and Gray Clay LOAM									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE _____ DESCRIPTION Homestead Rest Area - High Mast Lighting - Northbound LOGGED BY Larry Ford

SECTION 60-1RA,L LOCATION SE 1/4, SW 1/4, SEC. 14, TWP. 5N, RNG. 7W, 3rd PM,
Latitude , Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. 1
Station 205+75
Offset 125.0 ft Right
Ground Surface Elev. 526.50 ft

D E P T H ft	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. ft	D E P T H ft	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)
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Brown Silty CLAY									

END OF BORING
End of Boring

Brown and Gray Clay LOAM									

Brown and Gray Clay LOAM									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

MODEL NUMBER
FILE NAME: SBL15



USER NAME = \$USERS	DESIGNED - AM/HM	REVISED -
DRAWN - AM	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - KK/HM	REVISED -
PLOT DATE = \$DATE\$	DATE - 01/31/23	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2) HL-1	MADISON	12	10
CONTRACT NO. 76R27				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

Date 10/3/96

ROUTE _____ DESCRIPTION Homestead Rest Area - High Mast Lighting - Northbound LOGGED BY Larry Ford

SECTION 60-1RA,L LOCATION SE 1/4, SW 1/4, SEC. 14, TWP. 5N, RNG. 7W, 3rd PM, Latitude , Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. N/A Station N/A
 BORING NO. 2 Station 209+00
 Offset 123.0 ft Right
 Ground Surface Elev. 526.20 ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	MOISTURE (%)	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:	
				ft	ft	ft	ft	ft	ft
19	31	NC							
504.70									
3	5	1.5 S/10	20						
522.20	7								
	5	1.8 S/10	19						
519.70	6								
	2	2.5 S/5	20						
	5								
	6								
	2	1.6 S/5	19						
	4								
	5								
	0	2.3 S/5	12						
	6								
	10								
	11	4.1 S/5	9						
	31								
	61								
	11	6.2 S/5	10						
	20								
	41								
507.20									
	11								
	20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 1/7/97

ROUTE _____ DESCRIPTION Homestead Rest Area - High Mast Lighting - Northbound LOGGED BY Larry Ford

SECTION 60-1RA,L LOCATION SE 1/4, SW 1/4, SEC. 14, TWP. 5N, RNG. 7W, 3rd PM, Latitude , Longitude

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. N/A Station N/A
 BORING NO. 3 Station 119+45
 Offset 85.0 ft Left
 Ground Surface Elev. 529.60 ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	MOISTURE (%)	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:	
				ft	ft	ft	ft	ft	ft
50	6	6.6 S/5	9						
508.10									
507.60									
3	5	1.2 S/10	23						
	7								
	3								
	5	1.4 S/10	20						
	7								
	8								
523.10									
	3	2.3 S/15	21						
	5								
	7								
	3								
	4	1.8 S/10	20						
	7								
	3								
	4	1.3 S/15	18						
	5								
	3								
	6	3.5 S/10	13						
	11								
	8								
	16	4.5 S/15	11						
	19								
	18								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: S:\MODELS\M1615
 FILE NAME: SBL15



USER NAME = \$USERS	DESIGNED - AM/HM	REVISED -
DRAWN - AM	REVISIONS -	
PLOT SCALE = \$SCALE\$	CHECKED - KK/HM	REVISED -
PLOT DATE = \$DATE\$	DATE - 01/31/23	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2) HL-1	MADISON	12	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76R27	

SBL-05



Illinois Department of Transportation
 Division of Highways
 Illinois Department of Transportation

SOIL BORING LOG

Date 1/7/97

ROUTE _____ DESCRIPTION Homestead Rest Area - High Mast Lighting - Northbound LOGGED BY Larry Ford
 SECTION 60-1RA,L LOCATION SE 1/4, SW 1/4, SEC. 14, TWP. 5N, RNG. 7W, 3rd PM, Latitude , Longitude
 COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.		D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)
						ft	ft				
N/A	N/A										
	4										
	123+00										
	85.0 ft Left										
	528.50										
							508.00		36	5.0	8
Brown Silty CLAY									45	S/5	
										NC	
		3									
		6	2.8	26					15		
		8	S/10						30		
									37	6.1	11
										S/0	
		-5	3								
		6	1.5	2			503.50	-25	10		
		8	S/10						27		
							502.50		33	NC	
	522.00										
Brown Clay LOAM											
		3									
		5	2.0	19							
		8	S/10								
		-10	1								
		4	1.9	21							
		6	S/5								
		1									
		2	0.7	15							
		4	S/10								
	514.50										
Gray Sandy Clay LOAM											
		-15	5								
		14	2.9	11							
		26	S/5								
		25									
		52	3.9	8							
		-	S/0								
		-20	23								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, form 137 (Rev. 8-99)

MODEL: I:\MODELS\MAMES FILE: MAMES_SBL15



USER NAME = \$USERS	DESIGNED - AM/HM	REVISED -
DRAWN - AM	CHECKED - KK/HM	REVISED -
PLOT SCALE = \$SCALE\$	DATE - 01/31/23	REVISED -
PLOT DATE = \$DATE\$		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	60-(1,2) HL-1	MADISON	12	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76R27	

SBL-06