CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE: 90% FEDERAL 10% STATE COOK 0021 LIGHTING	90% FEDERAL 10% STATE COOK 0044 OTHER / SIGNAGE				
~~20101400~~	~~NITROGEN FERTILIZER NUTRIENT~~	~~POUND~~	~~20~~		~~20~~				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	20		20				
~~20101500~~	~~PHOSPHORUS FERTILIZER NUTRIENT~~	~~POUND~~	~~20~~		~~20~~	1			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	20		20				
~~20101600~~	~~POTASSIUM FERTILIZER NUTRIENT~~	~~POUND~~	~~20~~		~~20~~				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	20		20				
21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	~~29~~ 56		~~29~~ 56				
25000210	SEEDING, CLASS 2A	ACRE	~~1~~ 0.25		~~1~~ 0.25	1			
25100115	MULCH, METHOD 2	ACRE	~~1~~ 0.25		~~1~~ 0.25				
28000400	PERIMETER EROSION BARRIER	FOOT	795		795				
~~40603085~~	~~HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70~~	~~TON~~	~~96~~		~~96~~				
40600290	BITUMINOUS MATERIAL S (TACK COAT)	POUND	182		182				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	~~64~~ 25		~~64~~ 25				
~~44000164~~	~~HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"~~	~~SQ YD~~	~~759~~		~~759~~	1			
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	405		405				
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	~~3,413~~ 1,819		~~3,413~~ 1,819				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	~~145~~ 10		~~145~~ 10				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	~~7~~ 10		~~7~~ 10				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1		1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	~~1~~	1	1			
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	18		18				

* SPECIALTY ITEM A - COOK COUNTY ELECTRICAL B - COOK COUNTY OTHER / SIGNAGE

1 REVISED SHEET 9/15/2022

SOQ-01

Jacobs

USER NAME = k●●abmp	DESIGNED - RAS	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 7/1/2022	DATE - 06/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	4

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE 90% FEDERAL ~~10% STATE~~ COOK 0021 LIGHTING	CONSTRUCTION CODE 90% FEDERAL ~~10% STATE~~ COOK 0044 OTHER / SIGNAGE					
67100100	MOBILIZATION	L SUM	1		1					
~~70307120~~	~~TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE~~	~~FOOT~~	~~12,851~~		~~12,851~~	1				
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1					
~~70307125~~	~~TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE~~	~~FOOT~~	~~12,851~~		~~12,851~~					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	8,217		8,217					
70300231	TEMPORARY PAVEMENT MARKING - LINE 5" - PAINT	FOOT	2,255		2,255					
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	2,217		2,217	1				
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	80		80					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	~~3,300~~ 3,316		~~3,300~~ 3,316					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	~~15,787~~ 5,124		~~15,787~~ 5,124					
~~70400200~~	~~RELOCATE TEMPORARY CONCRETE BARRIER~~	~~FOOT~~	~~3,360~~		~~3,360~~					
70600260	IMPACT ALTTENVATOR, TEMPORARY (FULLY REDIRECTIVE-NARROW), TEST LEVEL 3	EACH	1		1					
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	~~114~~ 153		~~114~~ 153	1				
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	~~351~~ 483		~~351~~ 483					
72600100	MILE POST MARKER ASSEMBLY	EACH	44		44					
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	288		288					
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	~~10,377~~ 3,030		~~10,377~~ 3,030					
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2,903		2,903					
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	430		430					
~~78004354~~	~~PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 4"~~	~~FOOT~~	~~1,156~~		~~1,156~~					
78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4"	FOOT	362		362	1				
78011025	GROOVING FOR RECESSED PAVEMENT MARKING - LINE 5"	FOOT	362		362					
~~78004355~~	~~PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 5"~~	~~FOOT~~	~~6,662~~		~~6,662~~					
78004625	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5"	FOOT	2,247		2,247					
78011030	GROOVING FOR RECESSED PAVEMENT MARKING - LINE 6"	FOOT	2,247		2,247					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	~~46~~ 450		~~46~~ 450					

* SPECIALTY ITEM A - COOK COUNTY ELECTRICAL B - COOK COUNTY OTHER / SIGNAGE

1 REVISED SHEET 9/14/2022

SOQ-02

Jacobs

USER NAME = k_abm	DESIGNED JJZ	REVISED
PLOT SCALE =	DRAWN HAR	REVISED
PLOT DATE = 9/14/22	CHECKED CRH	REVISED
	DATE 06/25/2021	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	5

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE 90% FEDERAL 10% STATE COOK 0021 LIGHTING	90% FEDERAL 10% STATE COOK 0044 OTHER / SIGNAGE				
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	~~263~~ 265		~~263~~ 265	1			
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	~~586~~ 450	~~586~~	450				
	80400100	ELECTRIC SERVICE INSTALLATION	EACH	6	6					
	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1					
	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	~~1,939~~ 2,053	~~1,939~~ 2,053	1				
	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	119	119					
	81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	~~4,830~~ 3,828	~~4,830~~ 3,828					
	81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	126	126					
	81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	~~102~~ 80	~~102~~ 80					
	81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	~~39~~ 31	~~39~~ 31					
	81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	~~14~~ 9	~~14~~ 9	1				
	~~81603050~~	~~UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE~~	~~FOOT~~	~~3,075~~	~~3,075~~					
	81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	~~80,588~~ 80,626	~~80,588~~ 80,626					
	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	~~21,498~~ 17,242	~~21,498~~ 17,242					
*	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	~~606~~ 1,086	~~606~~ 1,086					
*	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	~~1,680~~ 1,840	~~1,680~~ 1,840					

* SPECIALTY ITEM A - COOK COUNTY ELECTRICAL B - COOK COUNTY OTHER / SIGNAGE

1 REVISED SHEET 9/15/2022

SOQ-03

Jacobs

USER NAME = k●●abmp	DESIGNED - JJZ	REVISED -	
	DRAWN - HAR	REVISED -	
PLOT SCALE =	CHECKED - CRH	REVISED -	
PLOT DATE = 7/1/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	6

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE 90% FEDERAL 10% STATE COOK 0021 LIGHTING	90% FEDERAL 10% STATE COOK 0044 OTHER / SIGNAGE				
81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	~~783~~ 468	~~783~~ 468					
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	~~113~~ 90	~~113~~ 90					
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	~~293~~ 288	~~293~~ 288					
~~82110022~~	~~LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION E~~	~~EACH~~	~~54~~	~~54~~	1				
82110027	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	~~48~~ 80	~~48~~ 80					
83050770	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. MAST ARM	EACH	4	4					
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	~~287~~ 284	~~287~~ 284					
~~83050860~~	~~LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. MAST ARMS~~	~~EACH~~	~~25~~	~~25~~					
83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	284	284					
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	284	284					
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	~~174~~ 249	~~174~~ 249	1				
84200804	REMOVAL OF POLE FOUNDATION	EACH	~~149~~ 146	~~149~~ 146					
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	6	6					
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	~~6~~ 4	~~6~~ 4	1				
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	6	6					
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	15,496	15,496					

* SPECIALTY ITEM A - COOK COUNTY ELECTRICAL B - COOK COUNTY OTHER / SIGNAGE

1 REVISED SHEET 9/15/2022

SOQ-04

Jacobs

USER NAME = k•rabmp	DESIGNED - JJZ	REVISED -	
	DRAWN - HAR	REVISED -	
PLOT SCALE =	CHECKED - CRH	REVISED -	
PLOT DATE = 7/1/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	7

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE 90% FEDERAL 10% STATE COOK 0021 LIGHTING	90% FEDERAL 10% STATE COOK 0044 OTHER / SIGNAGE				
	X0100003	CLEARING AND GRUBBING	SQ YD	115	~~115~~	115				
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	~~3,413~~ 4,544	~~3,413~~	4,544	1			
	X1400341	REMOVAL OF LUMINARIE, SALVAGE	EACH	~~436~~ 438	~~436~~ 438					
	X1400402	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL), RADIO SCADA, FIBER OPTIC	EACH	6	6					
	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18	18					
	X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	~~1~~	1	1			
	X7260100	MILE POST MARKER ASSEMBLY (SPECIAL)	EACH	22	~~22~~	22				
*	X7330064	SIGN SUPPORT SPECIAL	EACH	12	12					
*	~~78011025~~	~~GROOVING FOR RECESSED PAVEMENT MARKING 5"~~	~~FOOT~~	~~3,379~~	~~3,379~~					
	X1400509	REMOVAL OF LIGHTING ARM, NO SALVAGE	EACH	50	50					
*	~~78011030~~	~~GROOVING FOR RECESSED PAVEMENT MARKING 6"~~	~~FOOT~~	~~26,140~~	~~26,140~~					
	X1400510	6 FT DUAL MAST ARMS, ALUMINUM, 180 DEGREES APART	EACH	25	25	1				
	X8420111	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	~~52~~ 46	~~52~~ 46					
	X1700123	CONCRETE BARRIER WALL REPAIR	EACH	100	100					
	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	~~406~~ 378	~~406~~ 378					
	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18	18					
	X1400507	REMOVAL OF TRANSFORMER BASE, SALVAGE	EACH	~~1~~ 146	~~1~~ 146	1				
	X1400508	REMOVAL OF LIGHT POLE ARM AND FIXTURE (SPECIAL), NO SALVAGE	EACH	152	152					
Ø	Z0076600	TRAINEES	HOURS	4000	4000					
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	4000	4000					

Ø 0042

* SPECIALTY ITEM
A - COOK COUNTY ELECTRICAL
B - COOK COUNTY OTHER / SIGNAGE
1 REVISED SHEET 9/15/2022

SOQ-05

Jacobs

USER NAME = k•rabmp	DESIGNED - JJZ	REVISED -
	DRAWN - HAR	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 7/1/2022	DATE - 06/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

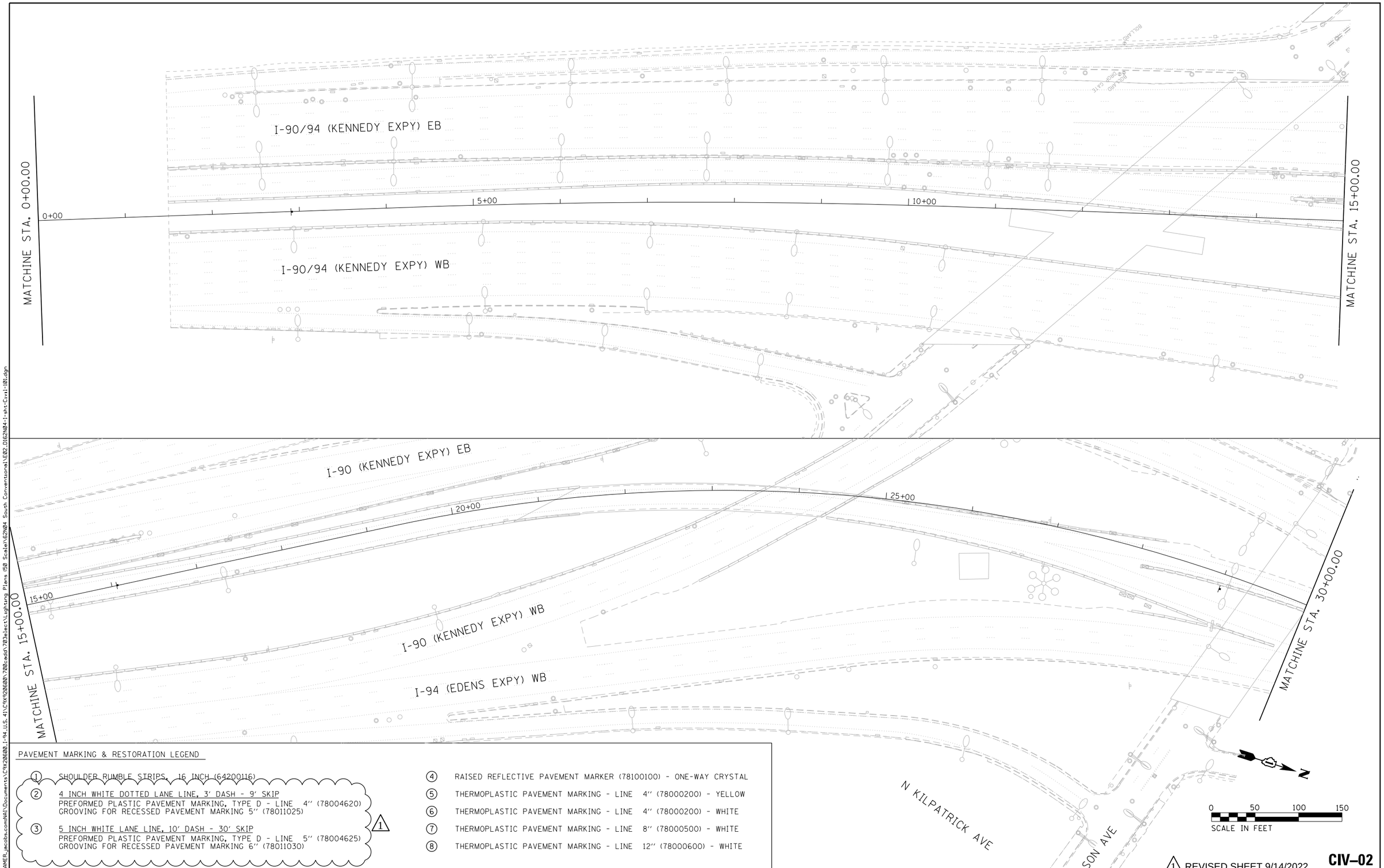
SCALE: NTS SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	8

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

REV-SEP



PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

1 REVISED SHEET 9/14/2022

CIV-02

Jacobs

USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 △2	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 2 OF 14 SHEETS STA. 30+00 TO STA. 60+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	30
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

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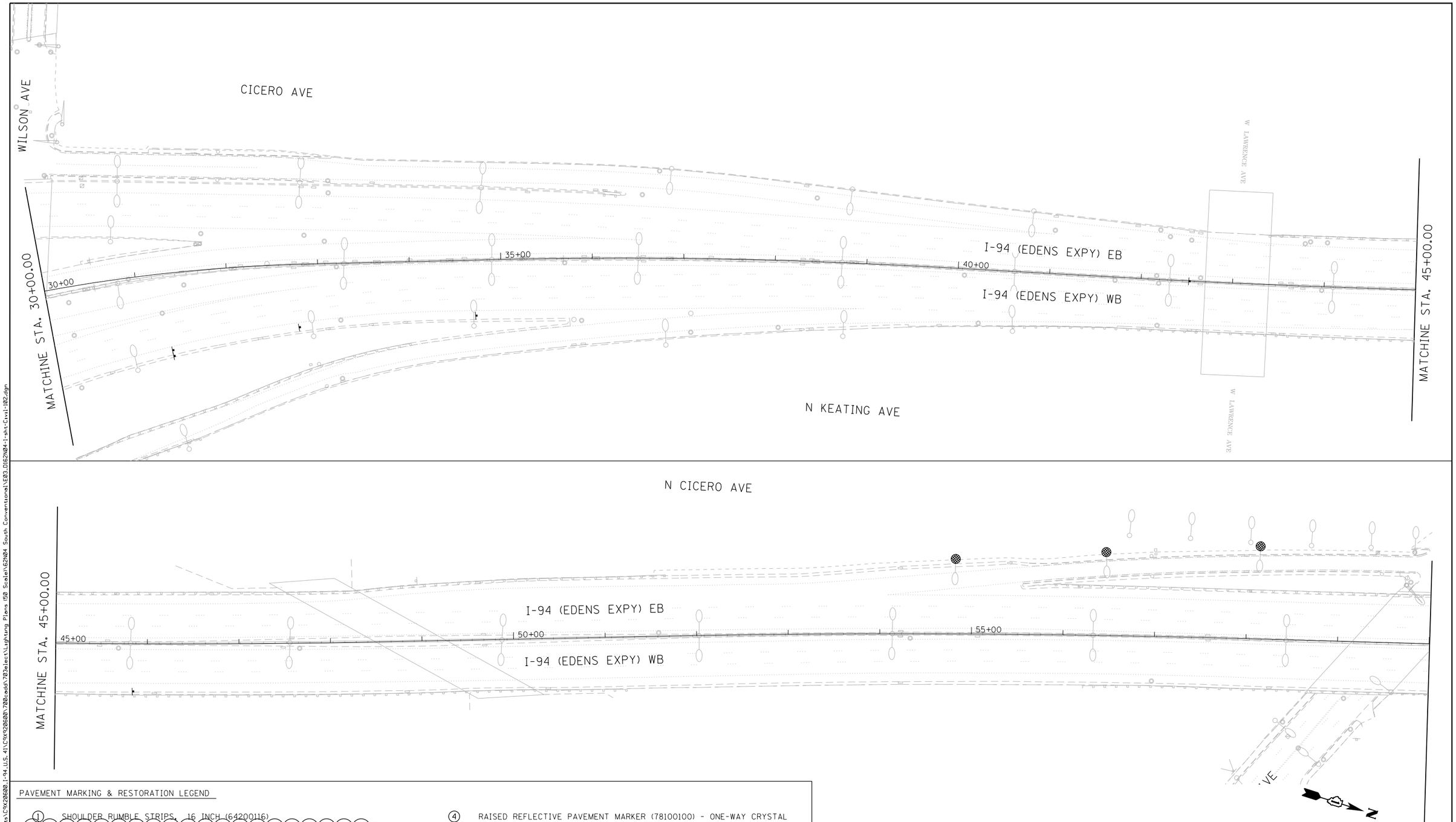

PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

1 REVISED SHEET 9/14/2022

CIV-03

Jacobs

USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 △A	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 3 OF 14 SHEETS STA. 30+00 TO STA. 60+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	31
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

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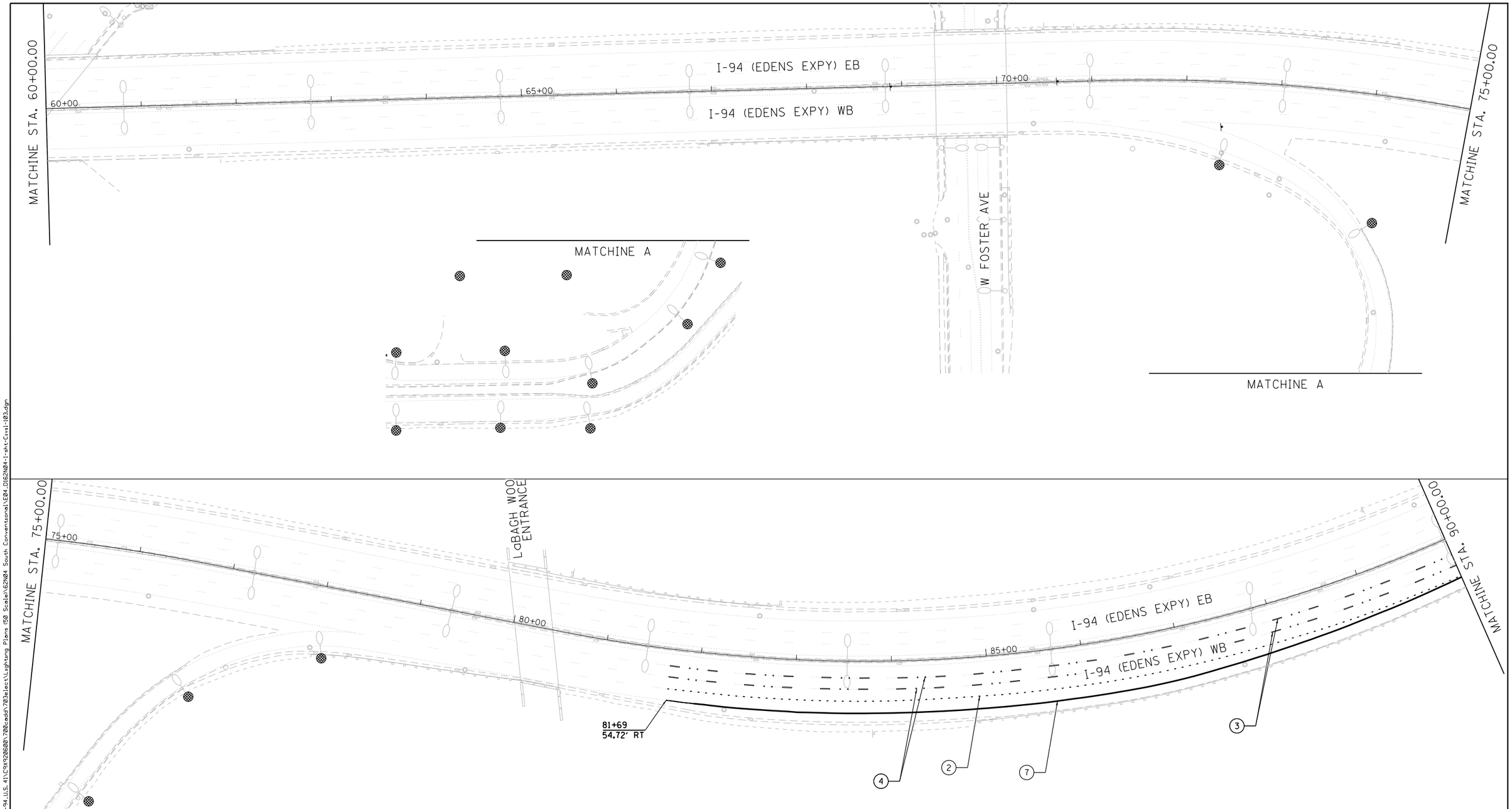

PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

N

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

CIV–04

Jacobs

USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 △3	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 4 OF 14 SHEETS STA. 60+00 TO STA. 90+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	32

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

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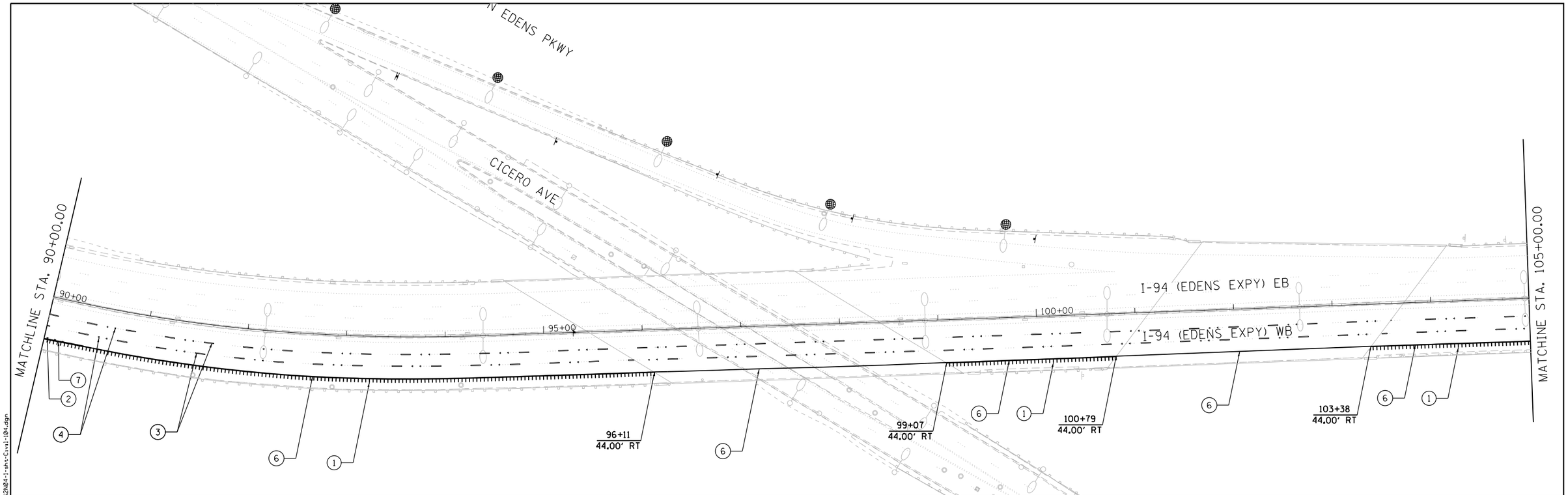
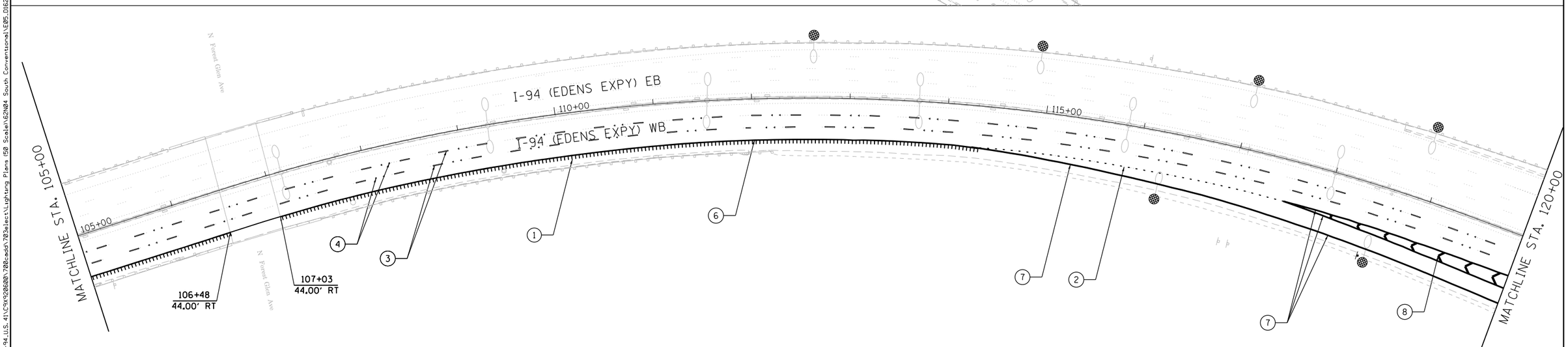




PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

N

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

CIV–05

Jacobs

USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 △1	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

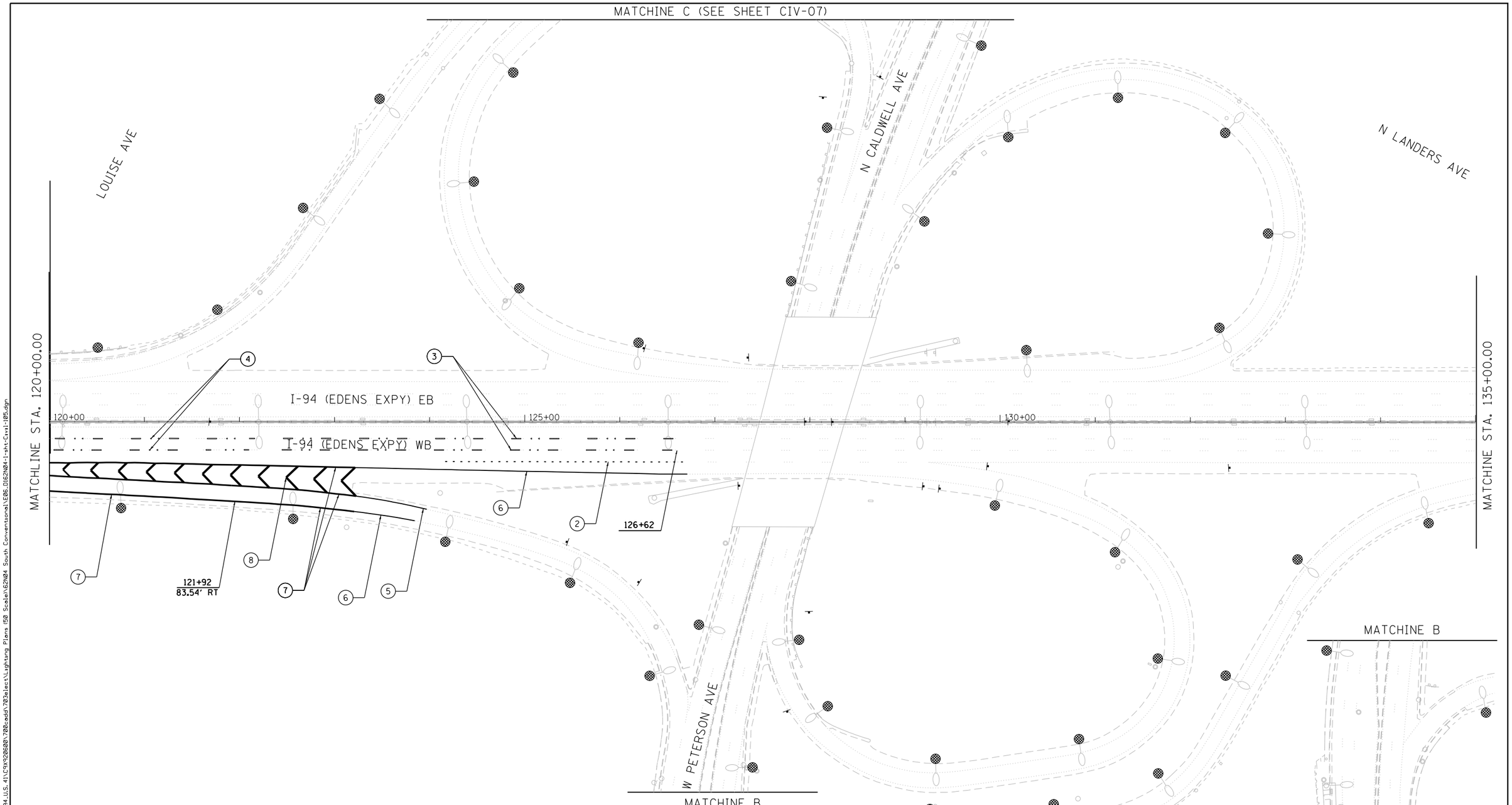
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 5 OF 14 SHEETS STA. 90+00 TO STA.120+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	33
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

pw:\\Project\WseAMER.jacobs.com:WS1\Documents\C9X20600_I-94_US_41\C9X20600\700cadd\703elect\Lighting Plans (50 Scale)\62N04 South Conventional\E05_D62N04-1-sht-Civil-104.dgn



PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

1 REVISED SHEET 9/14/2022

CIV–06

Jacobs

USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 △1	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

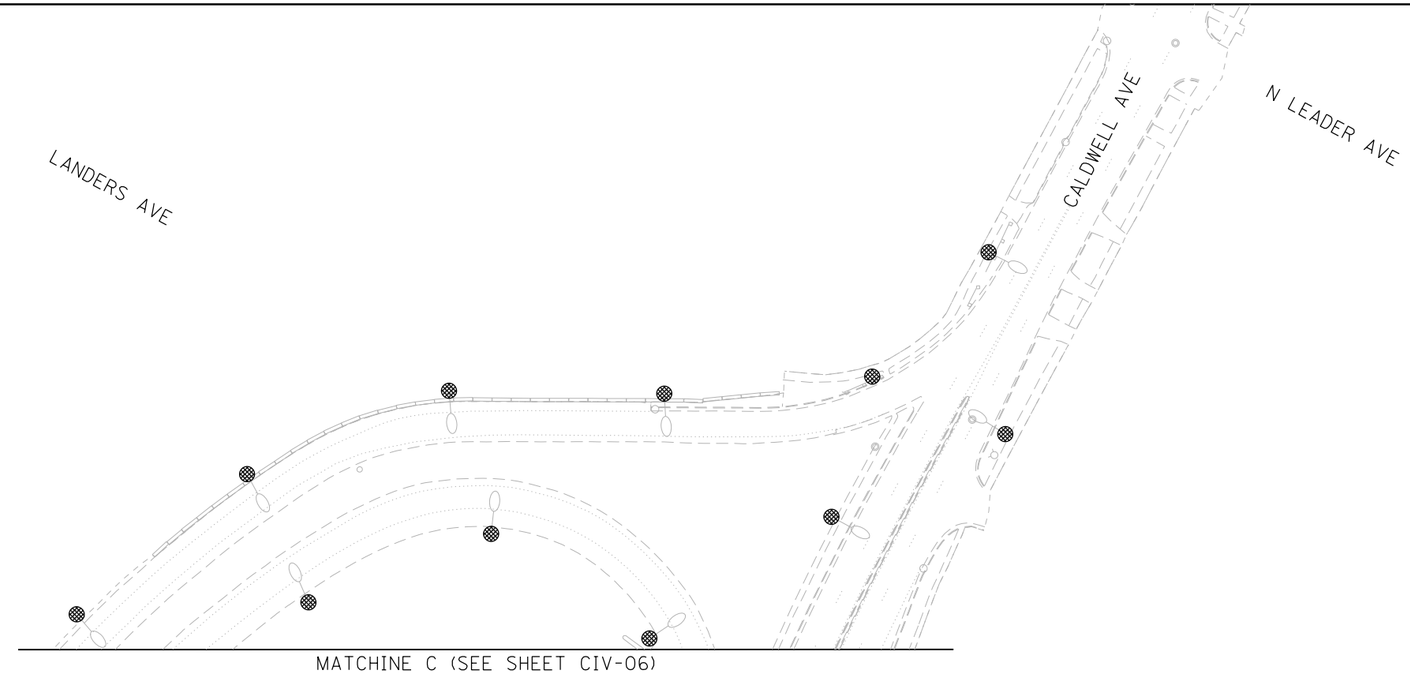
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

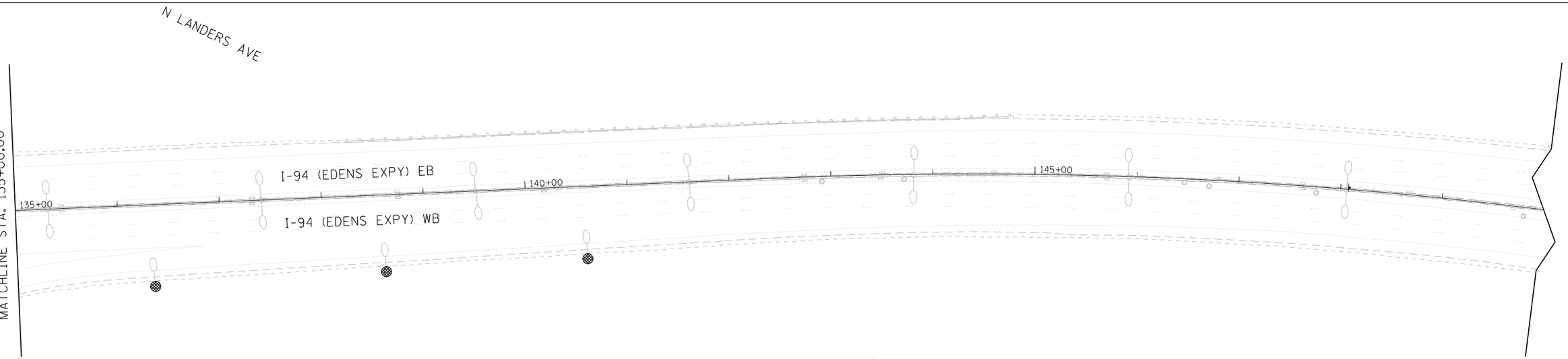
I–94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 6 OF 14 SHEETS STA. 120+00 TO STA.150+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	34
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

pw:\\Projectwise\AMER.jacobs.com\AI\Documents\C9X20600.I-94.US.41\C9X20600\700cadd\703plect\Lighting Plans (50 Scale)\62N04 South Conventional\E06_D162N04-I-sht-Civil-105.dgn





PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

N

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

CIV-07

Jacobs	USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 △1
		DRAWN - MMO	REVISED -
	PLOT SCALE =	CHECKED - MMK	REVISED -
	PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 7 OF 14 SHEETS STA. 150+00 TO STA.180+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	35
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

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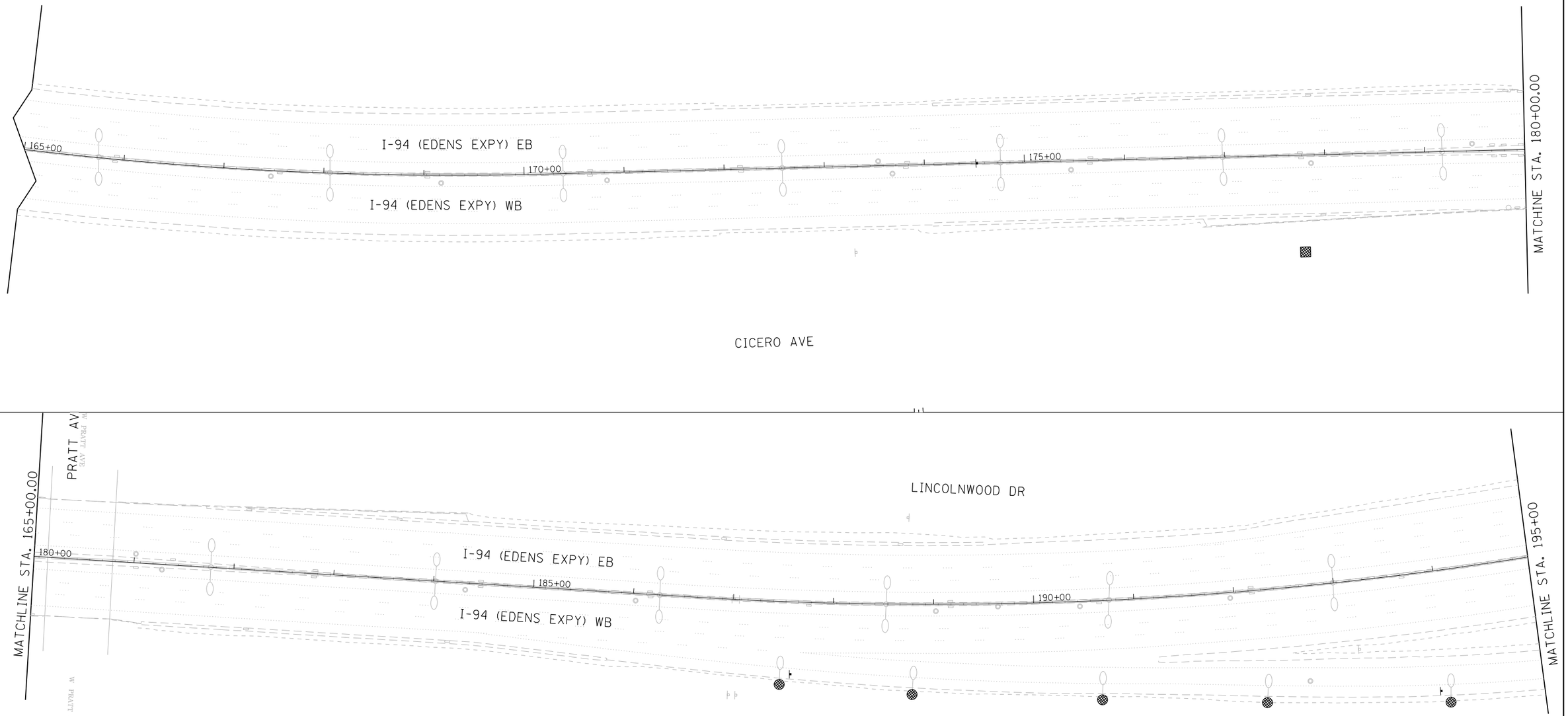

PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

N

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

CIV–08

Jacobs

USER NAME = karabmp	DESIGNED - MMO	REVISED - 09/13/2022 △1	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 8 OF 14 SHEETS STA. 180+00 TO STA. 210+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	36

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

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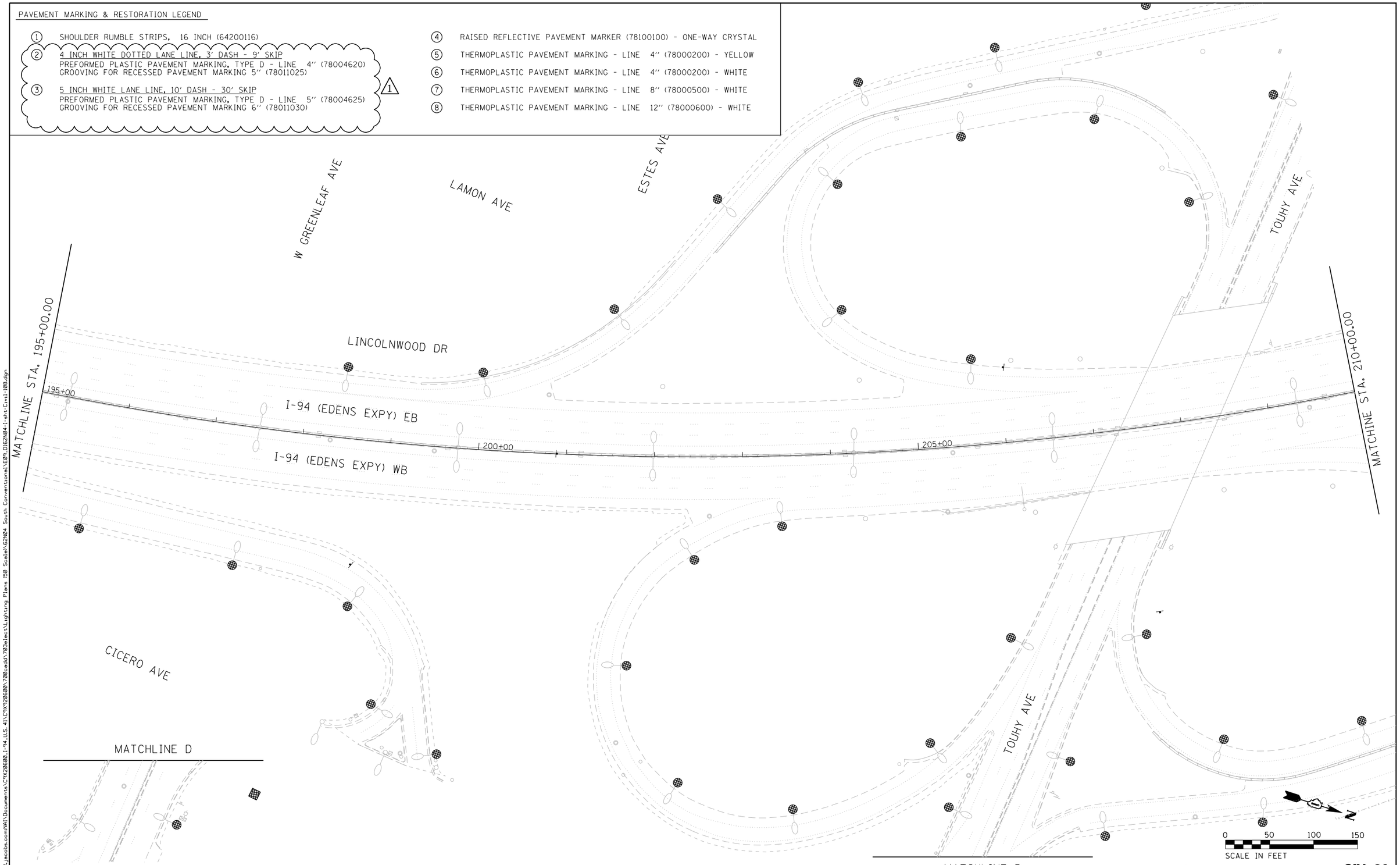
PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE



1 REVISED SHEET 9/14/2022

CIV–09

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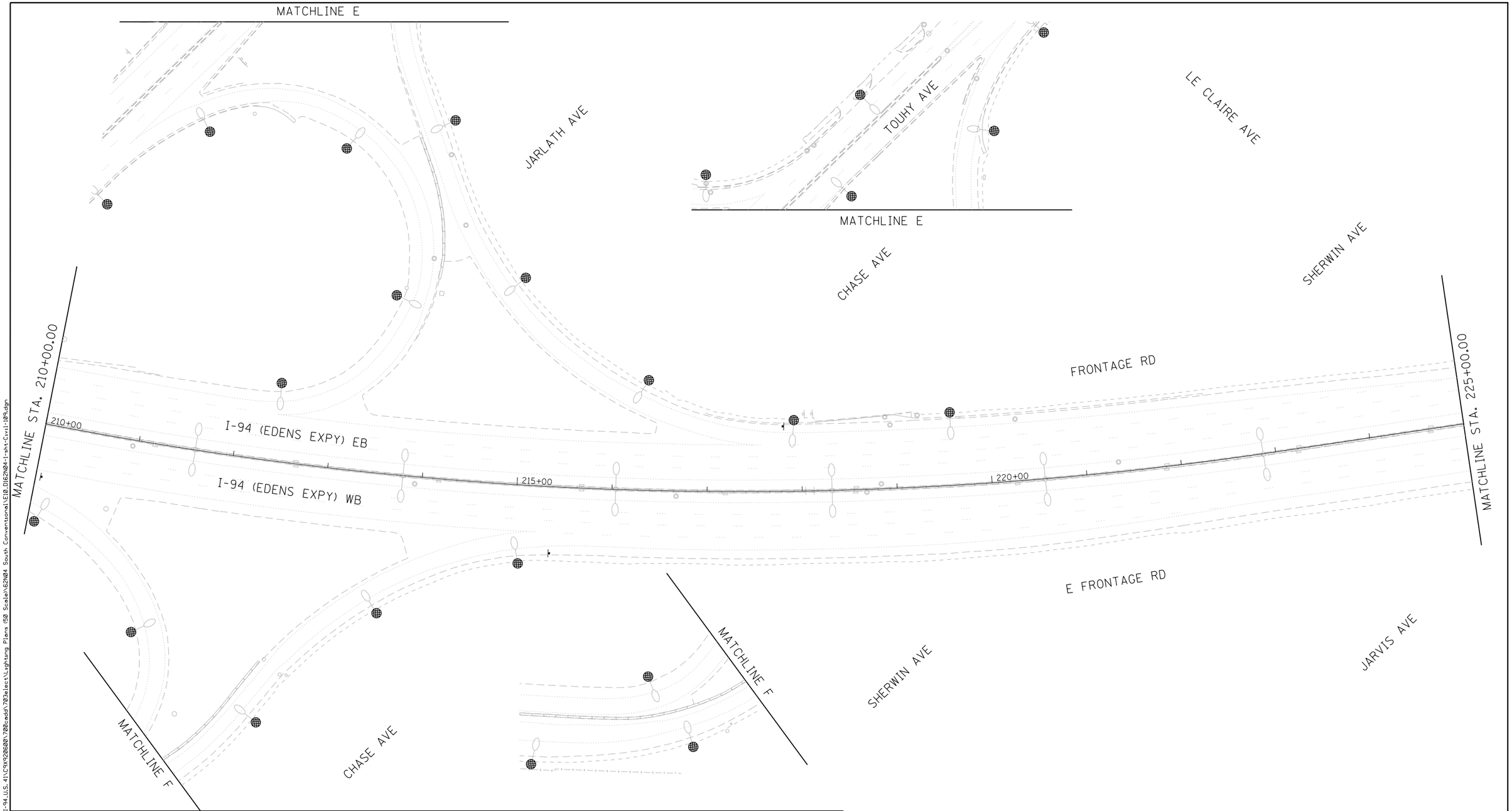
Jacobs	USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - MMO	REVISED -	
	PLOT SCALE =	CHECKED - MMK	REVISED -	
	PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

I–94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 9 OF 14 SHEETS STA. 210+00 TO STA. 240+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	37
		CONTRACT NO. 62N04		
		ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

N

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

CIV–10

Jacobs

USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 1	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 10 OF 14 SHEETS STA. 240+00 TO STA. 270+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	38
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

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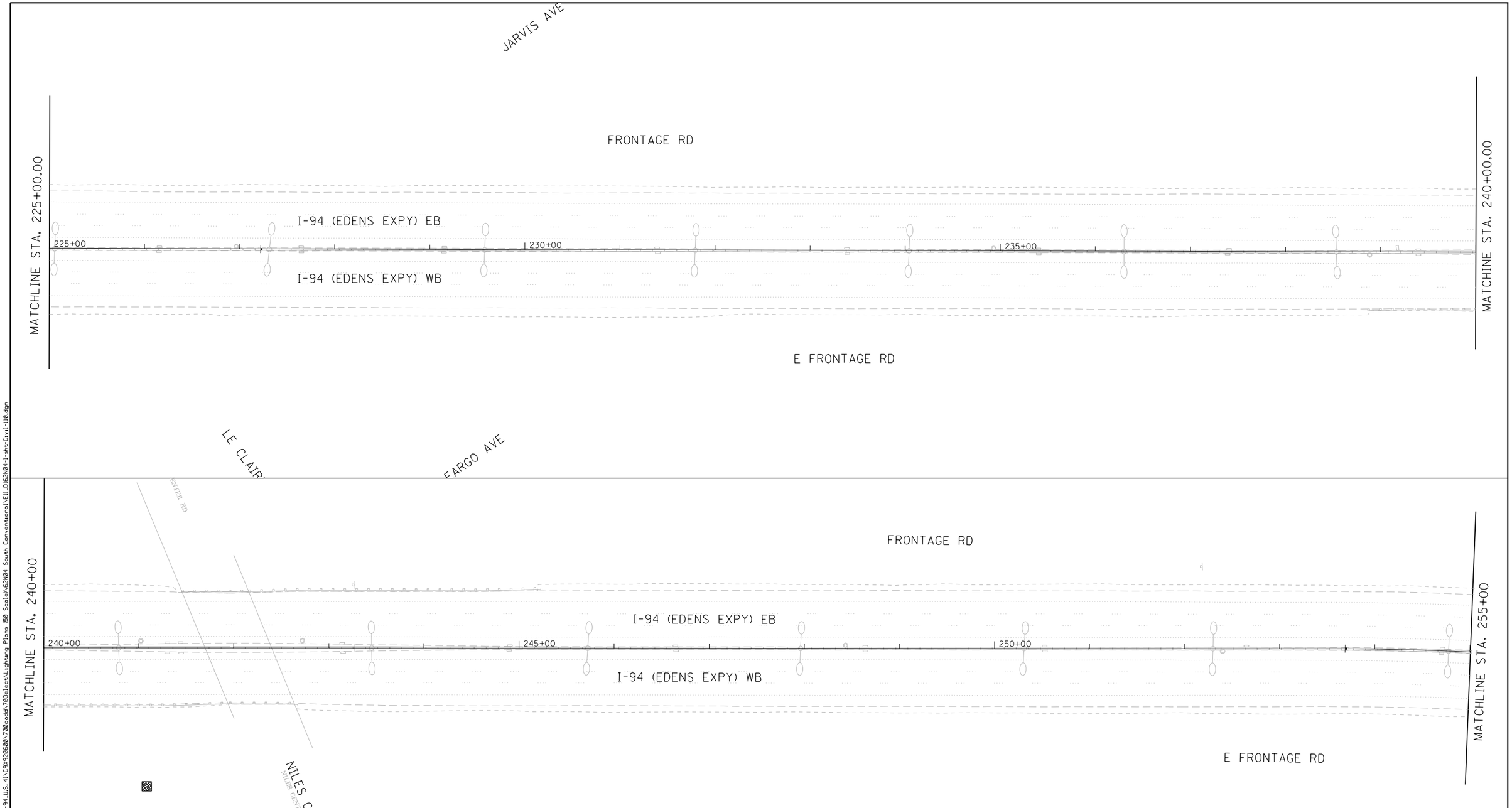

PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

N

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

CIV-11

Jacobs	USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 1
		DRAWN - MMO	REVISED -
	PLOT SCALE =	CHECKED - MMK	REVISED -
	PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 11 OF 14 SHEETS STA. 270+00 TO STA. 300+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	39

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

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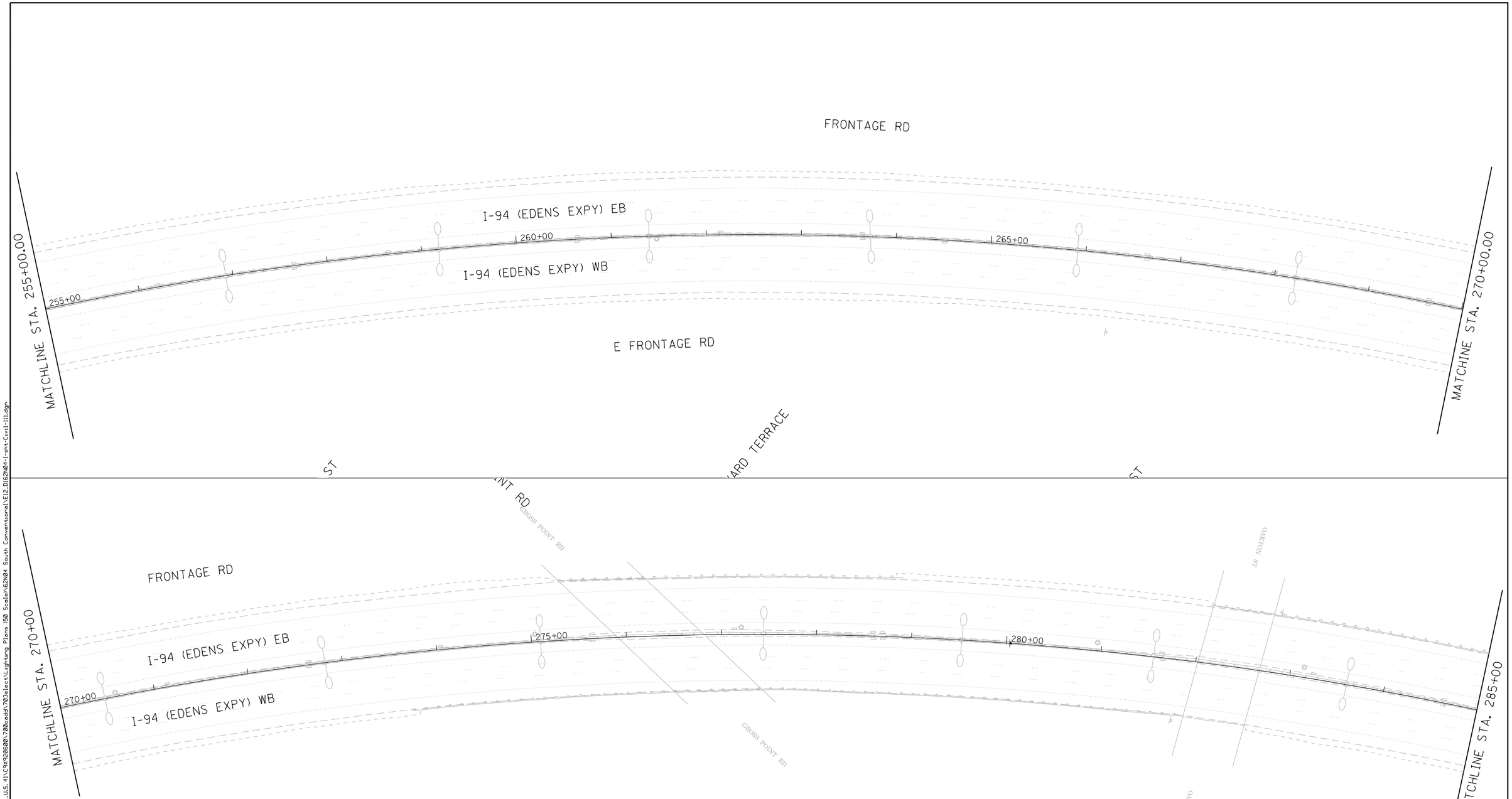

PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

1 REVISED SHEET 9/14/2022

CIV-12

Jacobs

USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 12 OF 14 SHEETS STA. 300+00 TO STA. 330+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	40
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

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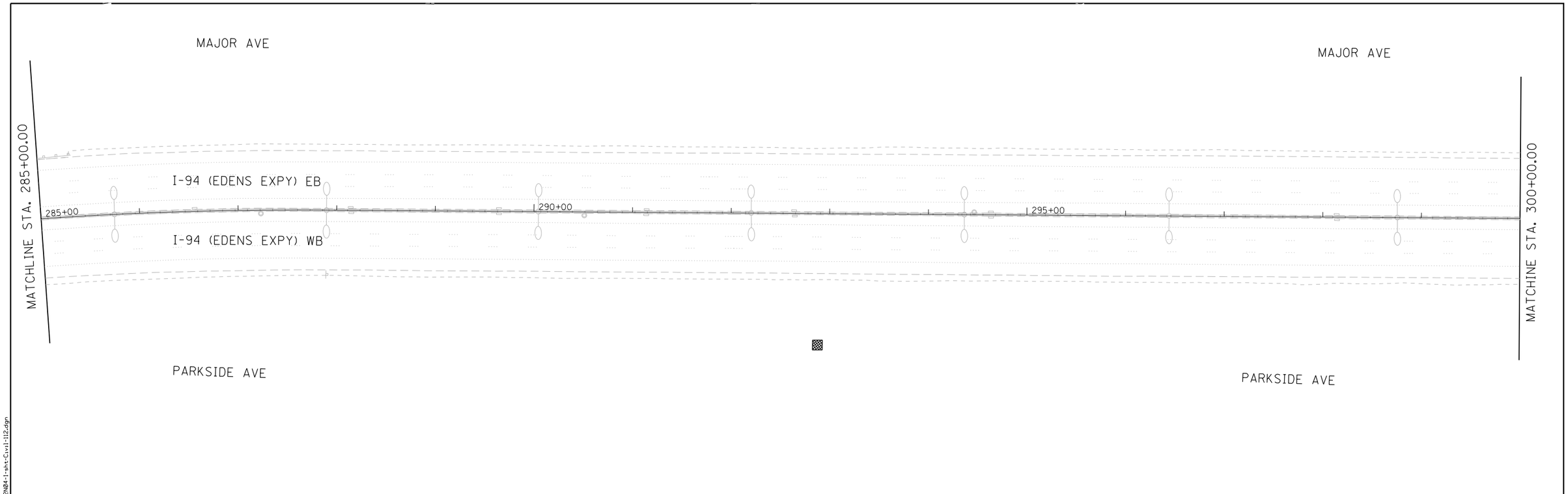

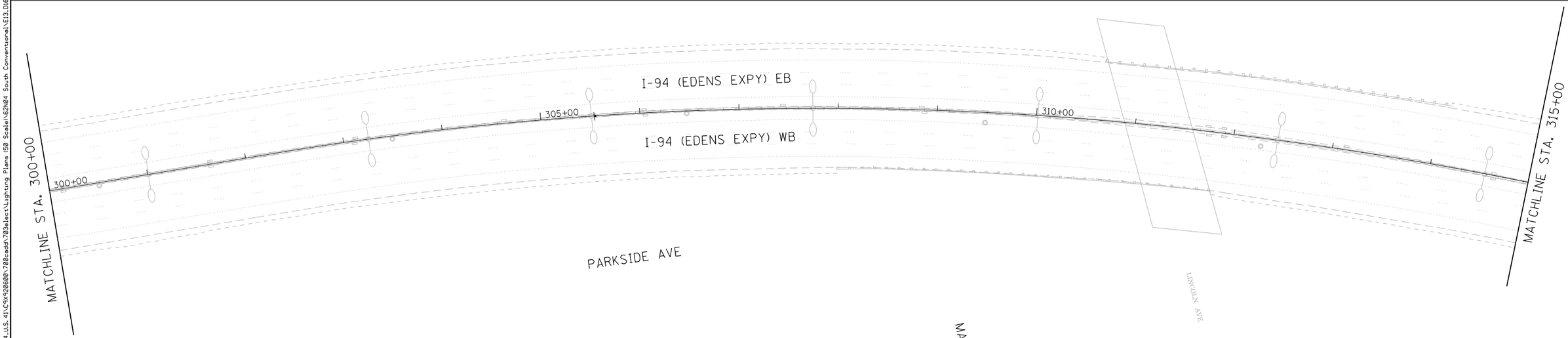

PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
6. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - WHITE
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

N

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

CIV–13

Jacobs	USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 1
		DRAWN - MMO	REVISED -
	PLOT SCALE =	CHECKED - MMK	REVISED -
	PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I–94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 13 OF 14 SHEETS STA. 300+00 TO STA. 330+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	41
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

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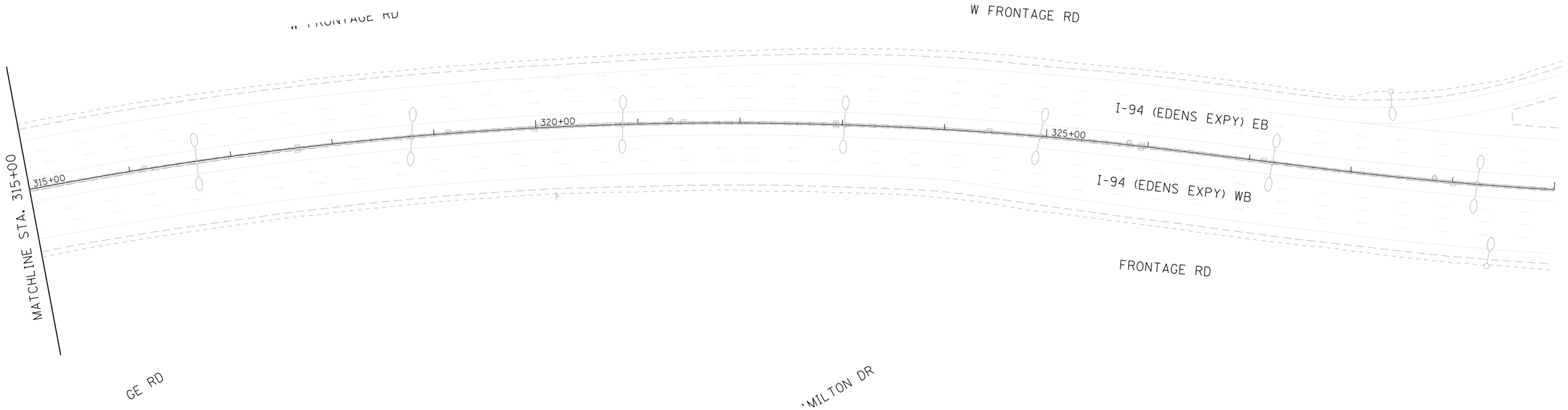

PAVEMENT MARKING & RESTORATION LEGEND

1. SHOULDER RUMBLE STRIPS, 16 INCH (64200116)
2. 4 INCH WHITE DOTTED LANE LINE, 3' DASH - 9' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4" (78004620)
   GROOVING FOR RECESSED PAVEMENT MARKING 5" (78011025)
3. 5 INCH WHITE LANE LINE, 10' DASH - 30' SKIP
   PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (78004625)
   GROOVING FOR RECESSED PAVEMENT MARKING 6" (78011030)

1

4. RAISED REFLECTIVE PAVEMENT MARKER (78100100) - ONE-WAY CRYSTAL
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200) - YELLOW
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7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500) - WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600) - WHITE

N

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

CIV-14

Jacobs

USER NAME = korabmp	DESIGNED - MMO	REVISED - 09/13/2022 △1	
	DRAWN - MMO	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -	
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 /US 41 SMART HIGHWAY
PAVEMENT MARKING & RESTORATION PLAN

SCALE: 1"=50' SHEET 14 OF 14 SHEETS STA. 300+00 TO STA. 330+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	42
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

pw:\\ProjectWiseNER.jacobs.com:NA\Documents\C9X20600.I-94.US.41\C9X920600\708cadd\703elec\Lighting Plans 150 Scale\62N04 South Conventional\E14.D162N04-1-sht-Civil-113.dgn

LIGHTING LEGEND

- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING TWIN ARM LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING UNIT TO REMAIN, LUMINAIRE TO BE REMOVED AND SALVAGED
- EXISTING TWIN ARM LIGHTING UNIT TO REMAIN, LUMINAIRES TO BE REMOVED AND SALVAGED
- EXISTING LIGHT POLE AND FOUNDATION TO REMAIN, ARMS, LUMINAIRES AND LIGHT CABLE TO BE REMOVED. LUMINAIRES TO BE SALVAGED
- EXISTING TWIN ARM LIGHTING UNIT AND FOUNDATION (UNLESS NOTED OTHERWISE) TO BE REMOVED, MEDIAN BARRIER TO BE RESTORED, LUMINAIRE TO BE SALVAGED
- EXISTING LIGHTING UNIT AND FOUNDATION (UNLESS NOTED OTHERWISE) TO BE REMOVED, LUMINAIRE TO BE SALVAGED
- EXISTING LIGHTING UNIT. INSTALL NEW LED LUMINAIRE (OUTPUT G), LUMINAIRE SAFETY CABLE ASSEMBLY AND INSTALL POLE GREEN GROUND WIRE
- EXISTING TWIN ARM LIGHT POLE ON MEDIAN BARRIER WALL. INSTALL NEW LED LUMINAIRE (OUTPUT G), LUMINAIRE SAFETY CABLE ASSEMBLY AND INSTALL POLE GREEN GROUND WIRE
- EXISTING TWIN ARM LIGHT POLE ON MEDIAN BARRIER WALL. INSTALL NEW 6FT DUAL MAST ARMS, NEW LED LUMINAIRES (OUTPUT G) AND LUMINAIRE SAFETY CABLE ASSEMBLY. INSTALL NEW POLE WIRE AND FUSE KITS
- PROPOSED LIGHTING UNIT 47.5 FT. MH ALUMINIUM POLE, 15 FT. MAST ARM, LED LUMINAIRE (OUTPUT H), IES TYPE II, 240V, ON NEW HELIX FOUNDATION AND TRANSFORMER BASE (UNLESS NOTED OTHERWISE)
- EXISTING UNDERPASS LUMINAIRE TO REMAIN
- EXISTING UNDERPASS LUMINAIRE TO BE REMOVED
- PROPOSED UNDERPASS LUMINAIRE, LED MOUNTING TYPE AS NOTED OUTPUT DESIGNATION F (UNLESS NOTED OTHERWISE)
- EXISTING HIGH MAST TOWER TO REMAIN
- EXISTING HIGH MAST TOWER AND FOUNDATION TO BE REMOVED
- EXISTING JUNCTION BOX TO REMAIN
- EXISTING HANDHOLE TO REMAIN
- PROPOSED JUNCTION BOX 18" X 18" X 8" ATTACHED TO STRUCTURE
- PROPOSED JUNCTION BOX 12" X 10" X 6" ATTACHED TO STRUCTURE
- PROPOSED JUNCTION BOX 6" X 6" X 4" ATTACHED TO STRUCTURE
- EXISTING LIGHTING CONTROLLER
- EXISTING ELECTRIC SERVICE INSTALLATION
- PROPOSED LIGHTING CONTROLLER
- PROPOSED ELECTRIC SERVICE INSTALLATION

- EXISTING CABLE TO REMAIN
- EXISTING CABLE TO BE REMOVED
- EXISTING CONDUIT TO REMAIN
- PROPOSED UNDERGROUND UNIT DUCT AS NOTED ON PLANS
- PROPOSED UNDERGROUND CONDUIT
- GROUND ROD 5/8" DIA. X 10'

LIGHT POLE DESIGNATION

LIGHTING CONTROLLER DESIGNATION
CIRCUIT DESIGNATION
LIGHT POLE

W E 1
STA. X+XX
SET BACK Y FROM E.O.P. (UNLESS NOTED) TO CENTER OF POLE

LIGHTING BILL OF MATERIALS

PAY ITEM DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	6
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2,053
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	119
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	3,828
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	126
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	80
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	31
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	9
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	80,626
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	17,242
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,086
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1,840
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	468
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	84
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	288
LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	80
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. MAST ARM	EACH	4
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	284
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	284
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	284
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	244
REMOVAL OF POLE FOUNDATION	EACH	146
REMOVAL OF LIGHTING CONTROLLER	EACH	6
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	6
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	15,496
REMOVAL OF LUMINARIE, SALVAGE	EACH	438
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL), RADIO SCADA, FIBER OPTIC	EACH	6
ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18
REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	46
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	378
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18
REMOVAL OF TRANSFORMER BASE, SALVAGE	EACH	146
CONCRETE BARRIER WALL REPAIR	EACH	100
REMOVAL OF LIGHTING ARM, NO SALVAGE	EACH	50
6 FT DUAL MAST ARMS, 180 DEGREES APART	EACH	25

1

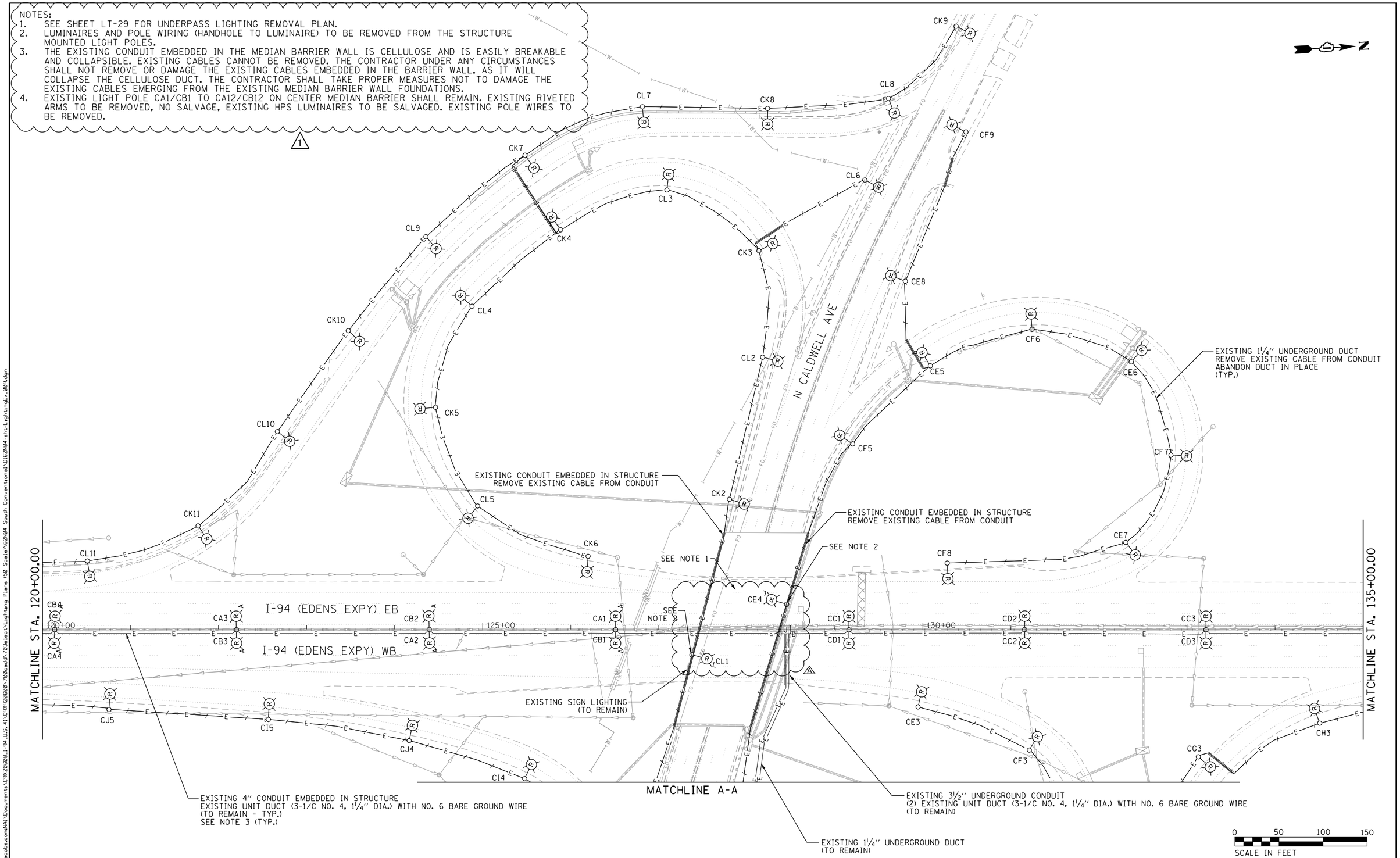
1 REVISED SHEET 9/14/2022

LT-01

pw:\\Project\WseAMER.jacobs.com:AD1\Documents\C9X208001-94_US_41\C9X208001\700Cadd\703elect\Lighting Plans (50 Scale)\62N04 South Conventional\D162N04-sht-Lighting_000.dgn

NOTES:
1. SEE SHEET LT-29 FOR UNDERPASS LIGHTING REMOVAL PLAN.
2. LUMINAIRES AND POLE WIRING (HANDHOLE TO LUMINAIRE) TO BE REMOVED FROM THE STRUCTURE MOUNTED LIGHT POLES.
3. THE EXISTING CONDUIT EMBEDDED IN THE MEDIAN BARRIER WALL IS CELLULOSE AND IS EASILY BREAKABLE AND COLLAPSIBLE. EXISTING CABLES CANNOT BE REMOVED. THE CONTRACTOR UNDER ANY CIRCUMSTANCES SHALL NOT REMOVE OR DAMAGE THE EXISTING CABLES EMBEDDED IN THE BARRIER WALL, AS IT WILL COLLAPSE THE CELLULOSE DUCT. THE CONTRACTOR SHALL TAKE PROPER MEASURES NOT TO DAMAGE THE EXISTING CABLES EMERGING FROM THE EXISTING MEDIAN BARRIER WALL FOUNDATIONS.
4. EXISTING LIGHT POLE CA1/CB1 TO CA12/CB12 ON CENTER MEDIAN BARRIER SHALL REMAIN. EXISTING RIVETED ARMS TO BE REMOVED, NO SALVAGE, EXISTING HPS LUMINAIRES TO BE SALVAGED. EXISTING POLE WIRES TO BE REMOVED.

1



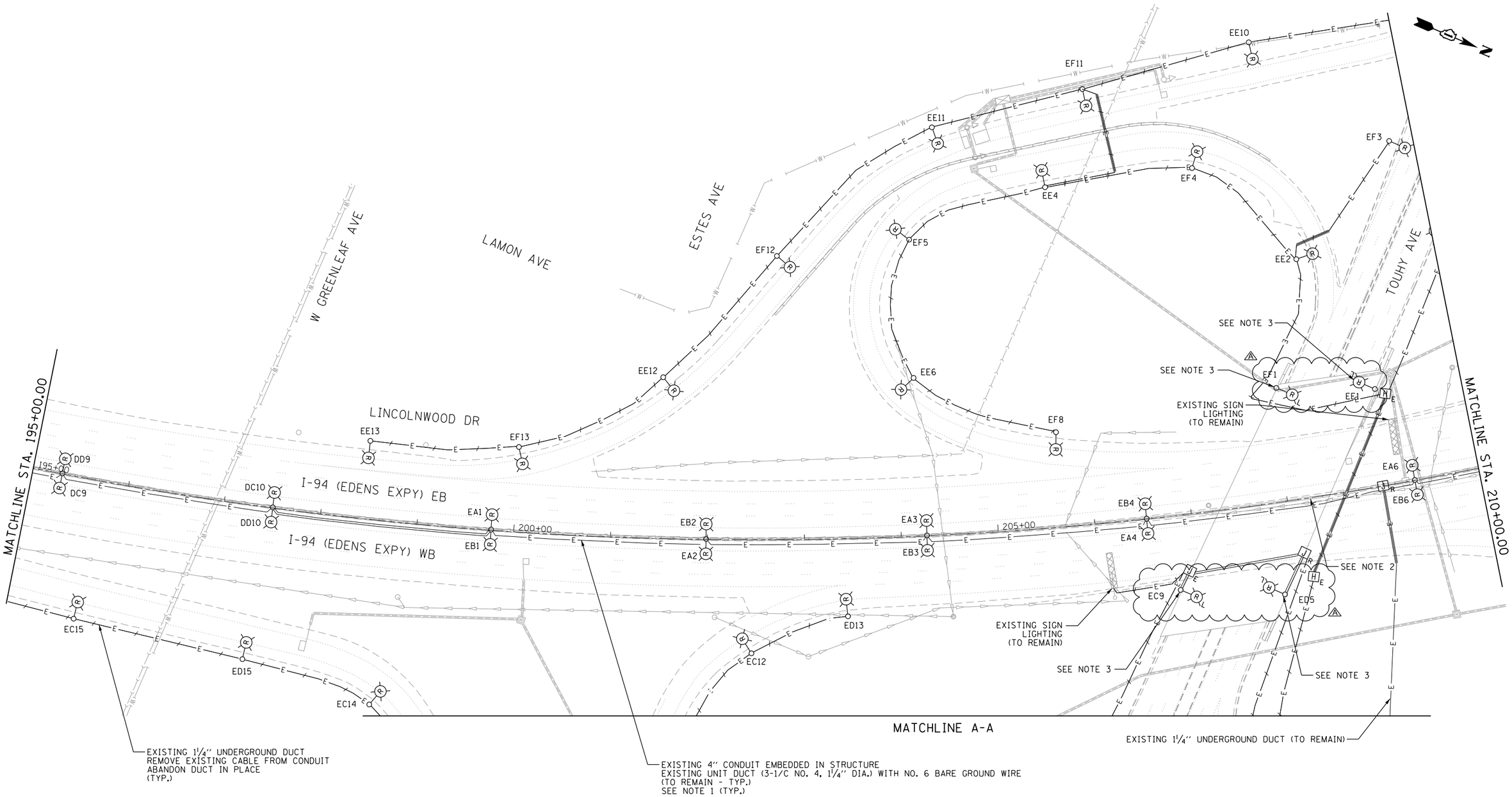
1 REVISED SHEET 9/14/2022

LT-11

Jacobs	USER NAME = korabmp	DESIGNED - HP	REVISED - 09/13/2022 △1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-94 /US 41 SMART HIGHWAY I-94 LIGHTING REMOVAL PLANS
		DRAWN - MPK	REVISED -		
	PLOT SCALE =	CHECKED - RAS	REVISED -		
	PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -		SCALE: 1" = 50' SHEET 11 OF 78 SHEETS STA. 120+00 TO STA.135+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	61
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

pw:\\Projects\Sites\MER_jacobs.com\MAI\Documents\C9X20600_I-94_US_41\C9X20600\700cadd\703elec\Lighting Plans (50 Scale)\62N04 South Conventional\D162N04-sht-LightingEx_009.dgn



NOTES:

1. THE EXISTING CONDUIT EMBEDDED IN THE MEDIAN BARRIER WALL IS CELLULOSE AND IS EASILY BREAKABLE AND COLLAPSIBLE. EXISTING CABLES CANNOT BE REMOVED. THE CONTRACTOR UNDER ANY CIRCUMSTANCES SHALL NOT REMOVE OR DAMAGE THE EXISTING CABLES EMBEDDED IN THE BARRIER WALL, AS IT WILL COLLAPSE THE CELLULOSE DUCT. THE CONTRACTOR SHALL TAKE PROPER MEASURES NOT TO DAMAGE THE EXISTING CABLES EMERGING FROM THE EXISTING MEDIAN BARRIER WALL FOUNDATIONS. 1
2. SEE SHEET LT-30 FOR UNDERPASS LIGHTING REMOVAL.
3. LUMINAIRES AND POLE WIRING (HANDHOLE TO LUMINAIRE) TO BE REMOVED FROM THE STRUCTURE MOUNTED LIGHT POLES.

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

LT-17

Jacobs	USER NAME = korabmp	DESIGNED - HP	REVISED - 09/13/2022 1
		DRAWN - MPK	REVISED -
	PLOT SCALE =	CHECKED - RAS	REVISED -
	PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 /US 41 SMART HIGHWAY
I-94 LIGHTING REMOVAL PLANS

SCALE: 1" = 50' SHEET 17 OF 78 SHEETS STA. 195+00 TO STA. 210+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	67
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

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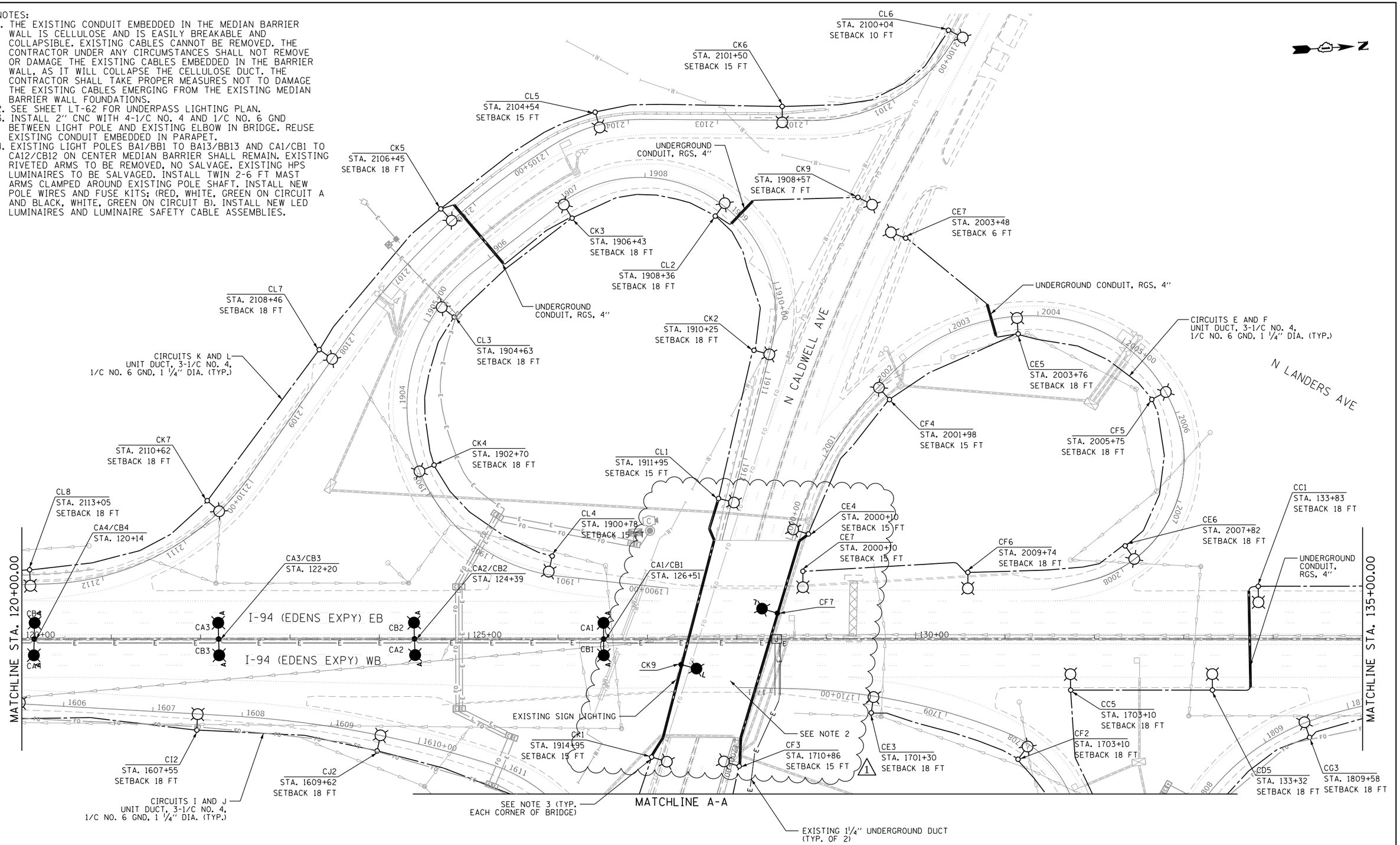
NOTES:
1. THE EXISTING CONDUIT EMBEDDED IN THE MEDIAN BARRIER WALL IS CELLULOSE AND IS EASILY BREAKABLE AND COLLAPSIBLE. EXISTING CABLES CANNOT BE REMOVED. THE CONTRACTOR UNDER ANY CIRCUMSTANCES SHALL NOT REMOVE OR DAMAGE THE EXISTING CABLES EMBEDDED IN THE BARRIER WALL, AS IT WILL COLLAPSE THE CELLULOSE DUCT. THE CONTRACTOR SHALL TAKE PROPER MEASURES NOT TO DAMAGE THE EXISTING CABLES EMERGING FROM THE EXISTING MEDIAN BARRIER WALL FOUNDATIONS.
2. SEE SHEET LT-62 FOR UNDERPASS LIGHTING PLAN.
3. INSTALL 2" CNC WITH 4-1/C NO. 4 AND 1/C NO. 6 GND BETWEEN LIGHT POLE AND EXISTING ELBOW IN BRIDGE. REUSE EXISTING CONDUIT EMBEDDED IN PARAPET.
4. EXISTING LIGHT POLES BA1/BB1 TO BA13/BB13 AND CA1/CB1 TO CA12/CB12 ON CENTER MEDIAN BARRIER SHALL REMAIN. EXISTING RIVETED ARMS TO BE REMOVED, NO SALVAGE. EXISTING HPS LUMINAIRES TO BE SALVAGED. INSTALL TWIN 2-6 FT MAST ARMS CLAMPED AROUND EXISTING POLE SHAFT. INSTALL NEW POLE WIRES AND FUSE KITS; (RED, WHITE, GREEN ON CIRCUIT A AND BLACK, WHITE, GREEN ON CIRCUIT B). INSTALL NEW LED LUMINAIRES AND LUMINAIRE SAFETY CABLE ASSEMBLIES.



1 REVISED SHEET 9/14/2022

LT-42

Jacobs	USER NAME = korabmp	DESIGNED - RAS	REVISED - 09/13/2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-94 /US 41 SMART HIGHWAY I-94 LIGHTING PLANS
		DRAWN - MPK	REVISED -		
	PLOT SCALE =	CHECKED - RAS	REVISED -		
	PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -		SCALE: 1" = 50' SHEET 42 OF 78 SHEETS STA. 120+00 TO STA.135+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	92
		CONTRACT NO. 62N04		
	ILLINOIS FED. AID PROJECT			

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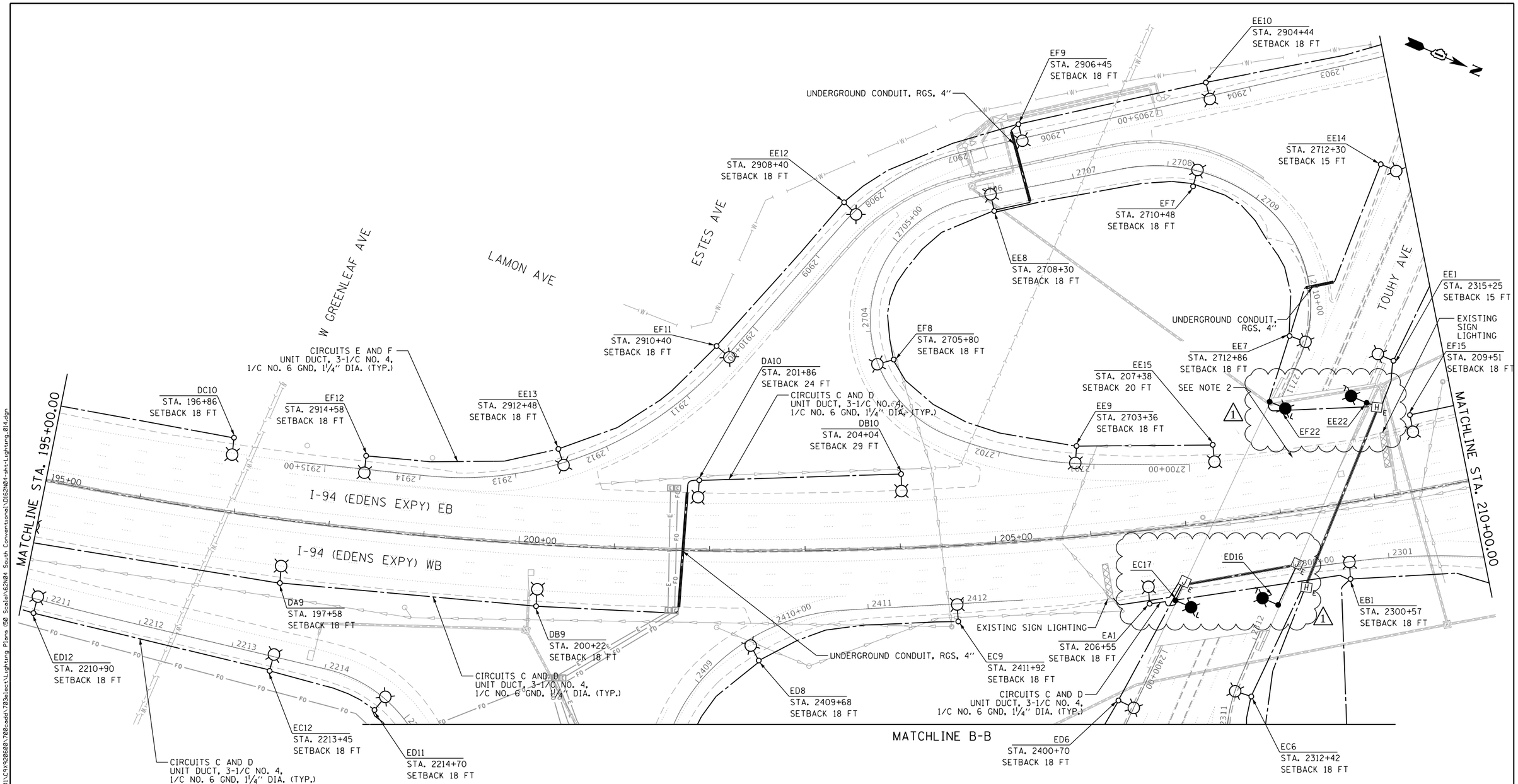

NOTES:

1. THE EXISTING CONDUIT EMBEDDED IN THE MEDIAN BARRIER WALL IS CELLULOSE AND IS EASILY BREAKABLE AND COLLAPSIBLE. EXISTING CABLES CANNOT BE REMOVED. THE CONTRACTOR UNDER ANY CIRCUMSTANCES SHALL NOT REMOVE OR DAMAGE THE EXISTING CABLES EMBEDDED IN THE BARRIER WALL, AS IT WILL COLLAPSE THE CELLULOSE DUCT. THE CONTRACTOR SHALL TAKE PROPER MEASURES NOT TO DAMAGE THE EXISTING CABLES EMERGING FROM THE EXISTING MEDIAN BARRIER WALL FOUNDATIONS.
2. SEE SHEET LT-63 FOR UNDERPASS LIGHTING PLAN.

0 50 100 150
SCALE IN FEET

1 REVISED SHEET 9/14/2022

LT-48

Jacobs	USER NAME = korabmp	DESIGNED - RAS	REVISED - 09/13/2022 1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - MPK	REVISED -	
	PLOT SCALE =	CHECKED - RAS	REVISED -	
	PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -	

I-94 /US 41 SMART HIGHWAY
I-94 LIGHTING PLANS

SCALE: 1" = 50' SHEET 48 OF 78 SHEETS STA. 195+00 TO STA. 210+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	98
		CONTRACT NO. 62N04		
		ILLINOIS FED. AID PROJECT		

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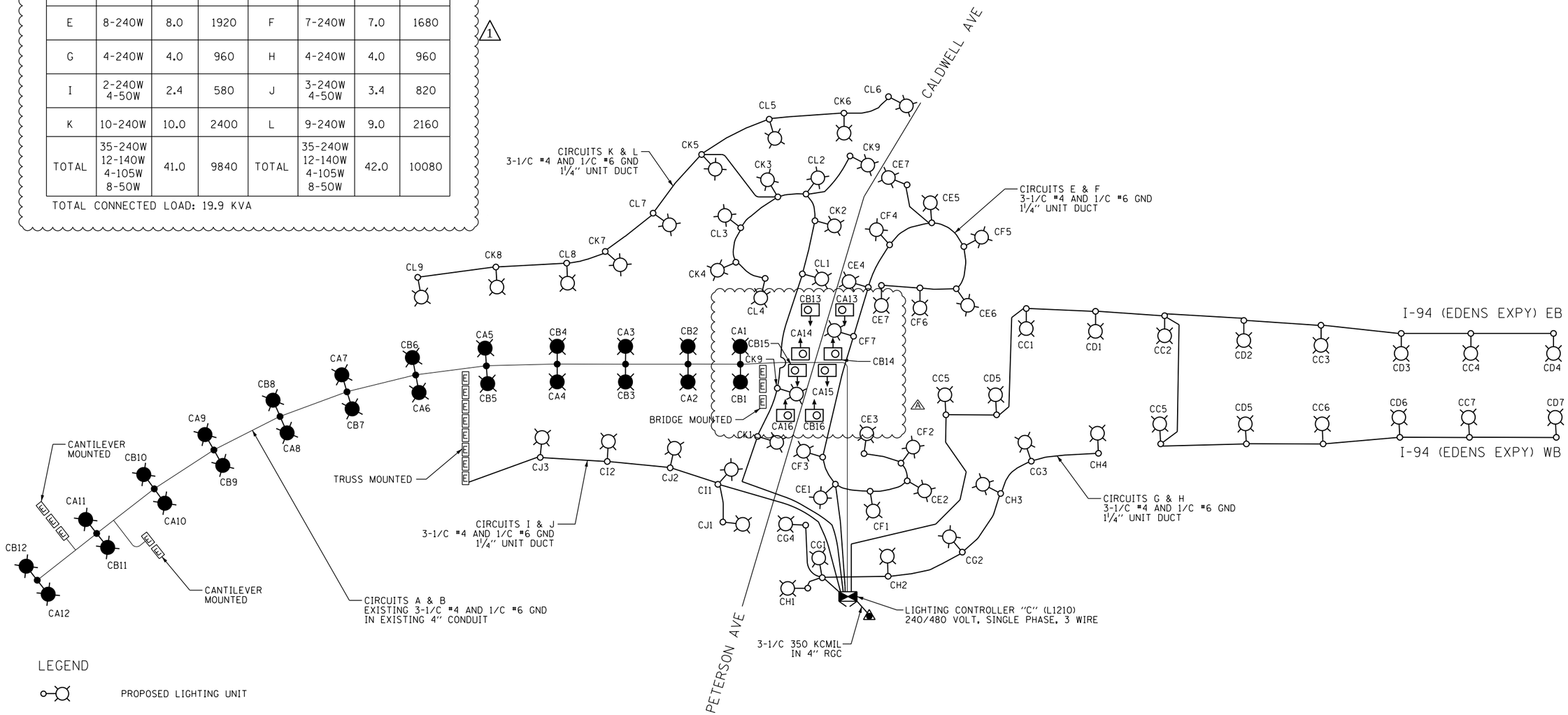
LOAD TABLE							
LIGHTING CONTROLLER "C", 240/480V, 1 PHASE, 3 WIRE							
RED PHASE	NO. LUM.	AMPS	WATTS	BLACK PHASE	NO. LUM.	AMPS	WATTS
A	12-140W 4-50W 4-105W	9.6	2300	B	12-140W 4-50W 4-105W	9.6	2300
C	7-240W	7.0	1680	D	7-240W	7.0	1680
E	8-240W	8.0	1920	F	7-240W	7.0	1680
G	4-240W	4.0	960	H	4-240W	4.0	960
I	2-240W 4-50W	2.4	580	J	3-240W 4-50W	3.4	820
K	10-240W	10.0	2400	L	9-240W	9.0	2160
TOTAL	35-240W 12-140W 4-105W 8-50W	41.0	9840	TOTAL	35-240W 12-140W 4-105W 8-50W	42.0	10080

TOTAL CONNECTED LOAD: 19.9 KVA

1



LEGEND

- PROPOSED LIGHTING UNIT
- EXISTING LIGHTING UNIT WITH PROPOSED ARM AND LUMINAIRE
- PROPOSED UNDERPASS LUMINAIRE
- PROPOSED LIGHTING CONTROLLER
- PROPOSED ELECTRIC SERVICE INSTALLATION
- EXISTING SIGN LIGHTING (TYPE AS NOTED)

1 REVISED SHEET 9/14/2022

LT-69

Jacobs

USER NAME = korabmp	DESIGNED - RAS	REVISED - 09/13/2022 1
	DRAWN - MG	REVISED -
PLOT SCALE =	CHECKED - RAS	REVISED -
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "C

SCALE: NTS SHEET 69 OF 78 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	119
		CONTRACT NO. 62N04		
		ILLINOIS FED. AID PROJECT		

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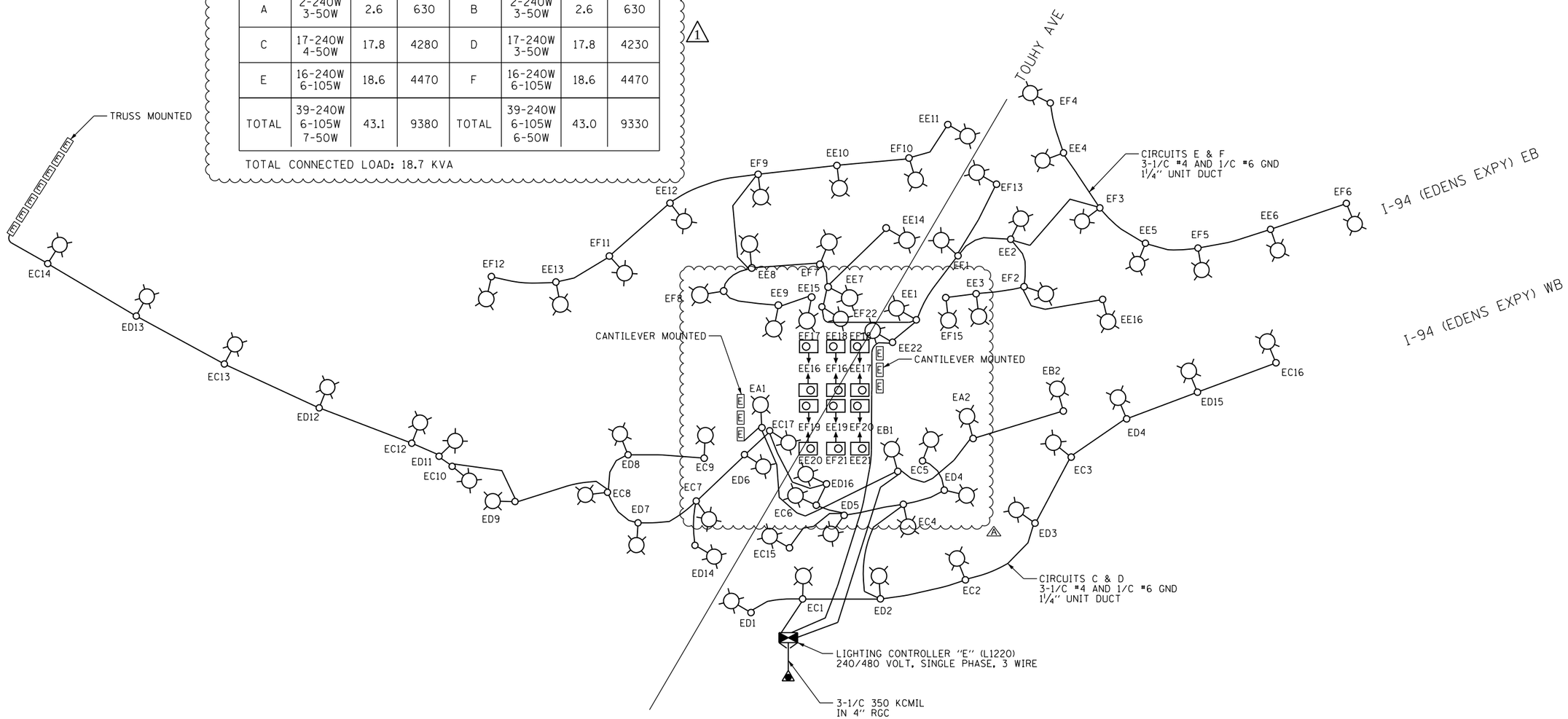
LOAD TABLE							
LIGHTING CONTROLLER "E", 240/480V, 1 PHASE, 3 WIRE							
RED PHASE	NO. LUM.	AMPS	WATTS	BLACK PHASE	NO. LUM.	AMPS	WATTS
A	2-240W 3-50W	2.6	630	B	2-240W 3-50W	2.6	630
C	17-240W 4-50W	17.8	4280	D	17-240W 3-50W	17.8	4230
E	16-240W 6-105W	18.6	4470	F	16-240W 6-105W	18.6	4470
TOTAL	39-240W 6-105W 7-50W	43.1	9380	TOTAL	39-240W 6-105W 6-50W	43.0	9330

TOTAL CONNECTED LOAD: 18.7 KVA

1



LEGEND

- PROPOSED LIGHTING UNIT
- PROPOSED UNDERPASS LUMINAIRE
- PROPOSED LIGHTING CONTROLLER
- PROPOSED ELECTRIC SERVICE INSTALLATION
- E — EXISTING SIGN LIGHTING (TYPE AS NOTED)

1 REVISED SHEET 9/14/2022

LT-71

Jacobs

USER NAME = korabmp	DESIGNED - RAS	REVISED - 09/13/2022 1
	DRAWN - MG	REVISED -
PLOT SCALE =	CHECKED - RAS	REVISED -
PLOT DATE = 9/13/2022	DATE - 06/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "E

SCALE: NTS SHEET 71 OF 78 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2020-235-L	COOK	148	121

CONTRACT NO. 62N04

ILLINOIS FED. AID PROJECT

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