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DRAWN - AP/MAG	REVISIONS -	
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PLOT DATE = 1/23/2025	DATE - 1/24/2025	REVISED -

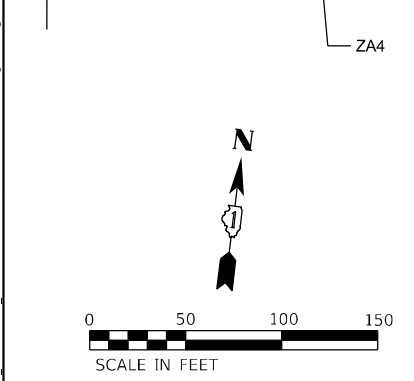
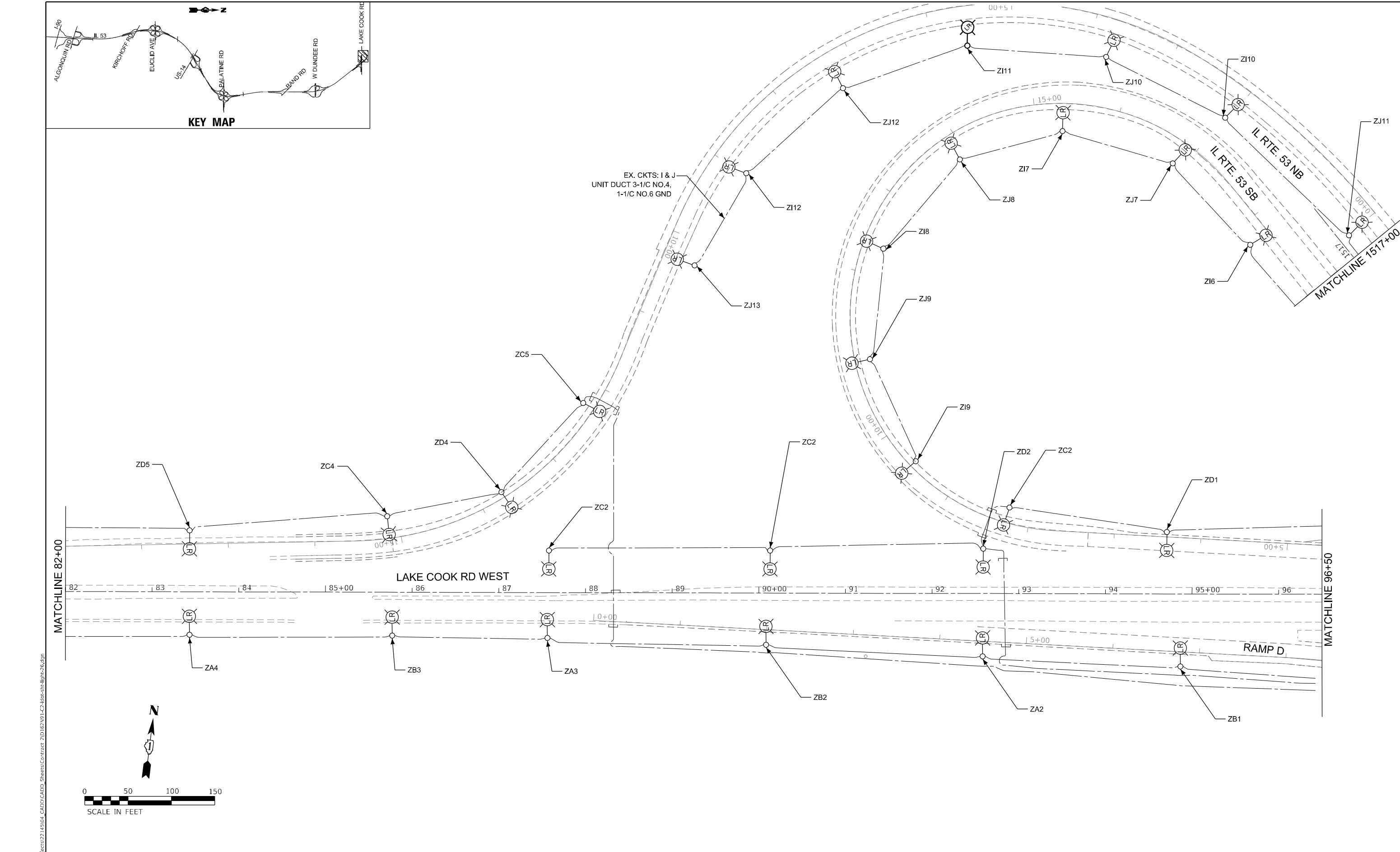
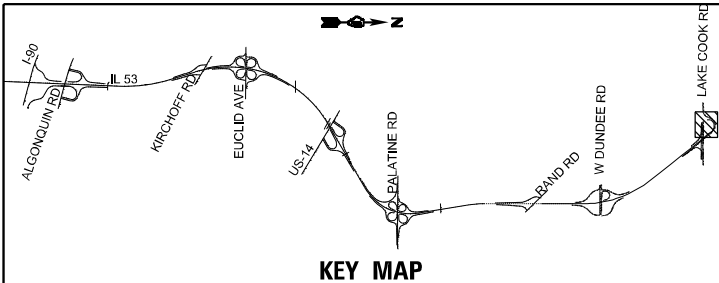
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
TEMPORARY AND REMOVAL LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	601
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

LT-25



MODEL: D:\p1\11191\project\27145\04\_CADD\CADD\_Sheets\Contract\_2\0162N91\_LC3.dwg  
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 SHEET NO.: 602



USER NAME = vturnez	DESIGNED - VG	REVISED -
DRAWN - AP/MAG	REVISOR -	
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PLOT DATE = 1/23/2025	DATE - 1/24/2025	REVISOR -

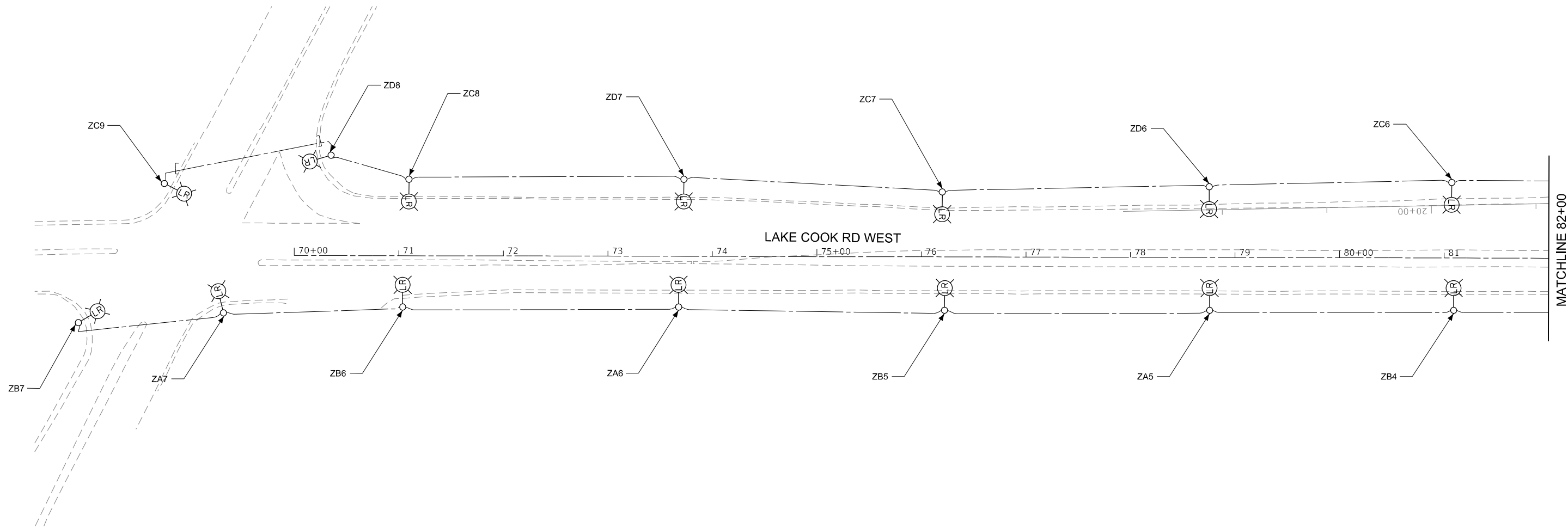
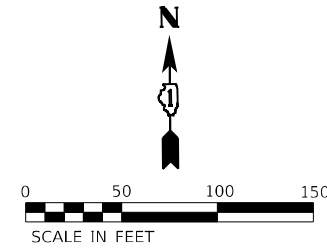
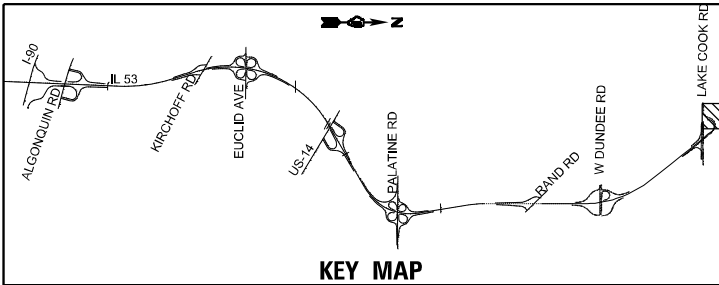
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
 TEMPORARY AND REMOVAL LIGHTING PLAN**

SCALE: 1" = 50'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	602
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



MODEL: D:\p\h\h  
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DRAWN - AP/MAG	REVISIONS	
PLOT SCALE = 100,0000' / in.	CHECKED - RP/IMG	REVISED -
PLOT DATE = 1/23/2025	DATE - 1/24/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

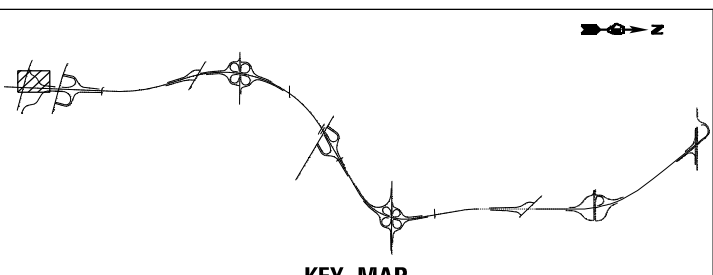
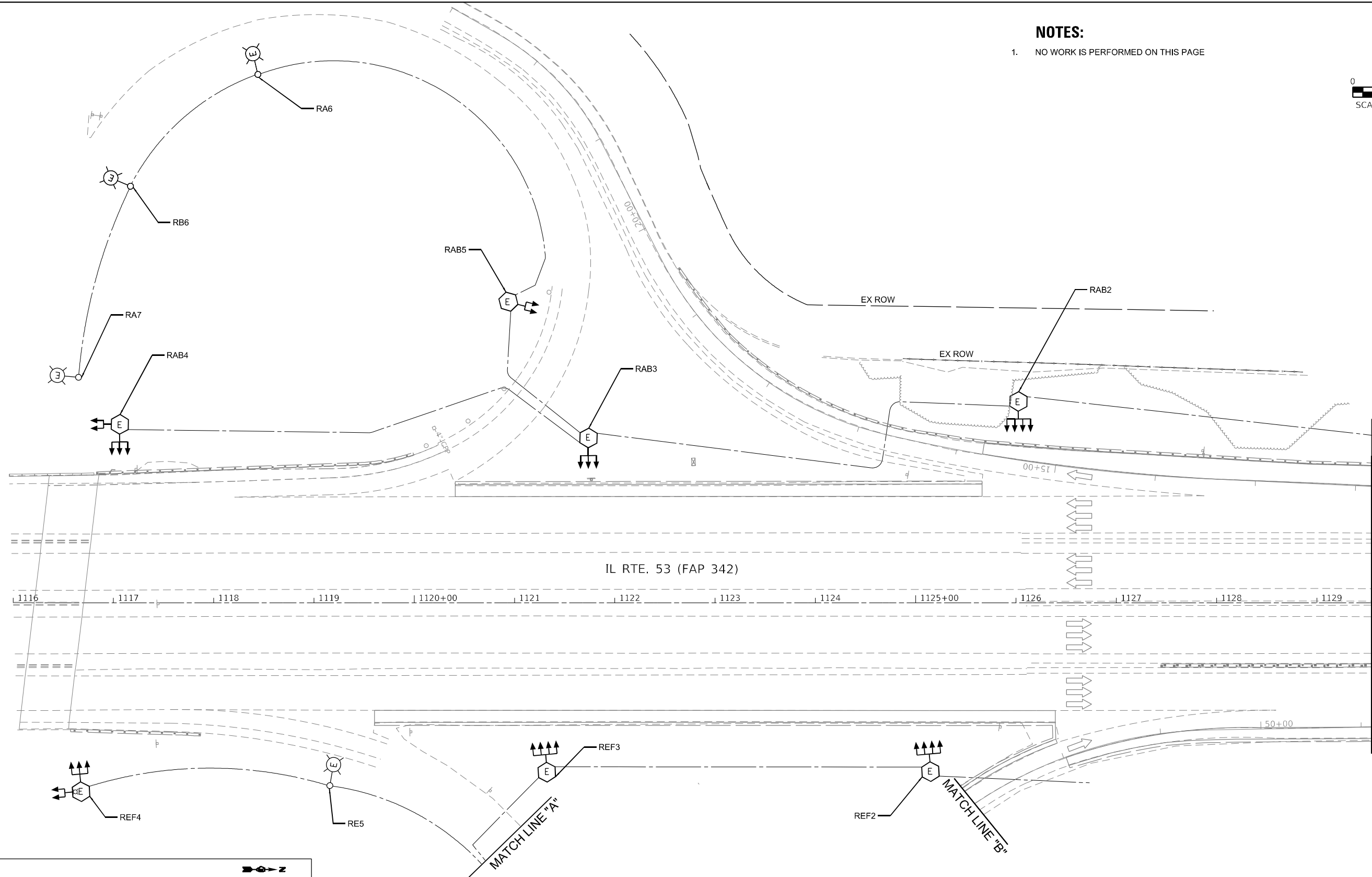
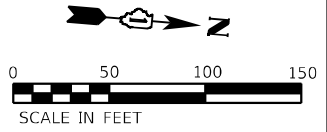
IL ROUTE 53  
TEMPORARY AND REMOVAL LIGHTING PLAN

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	603
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

**NOTES:**

1. NO WORK IS PERFORMED ON THIS PAGE



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	DATE - 12/20/2024	REVISED -

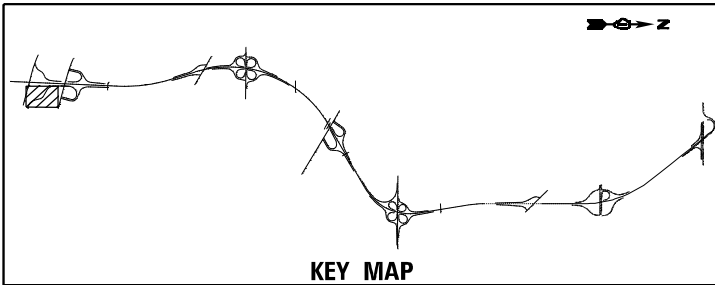
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
PROPOSED LIGHTING PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 604
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

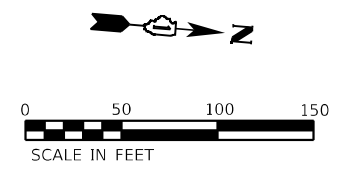
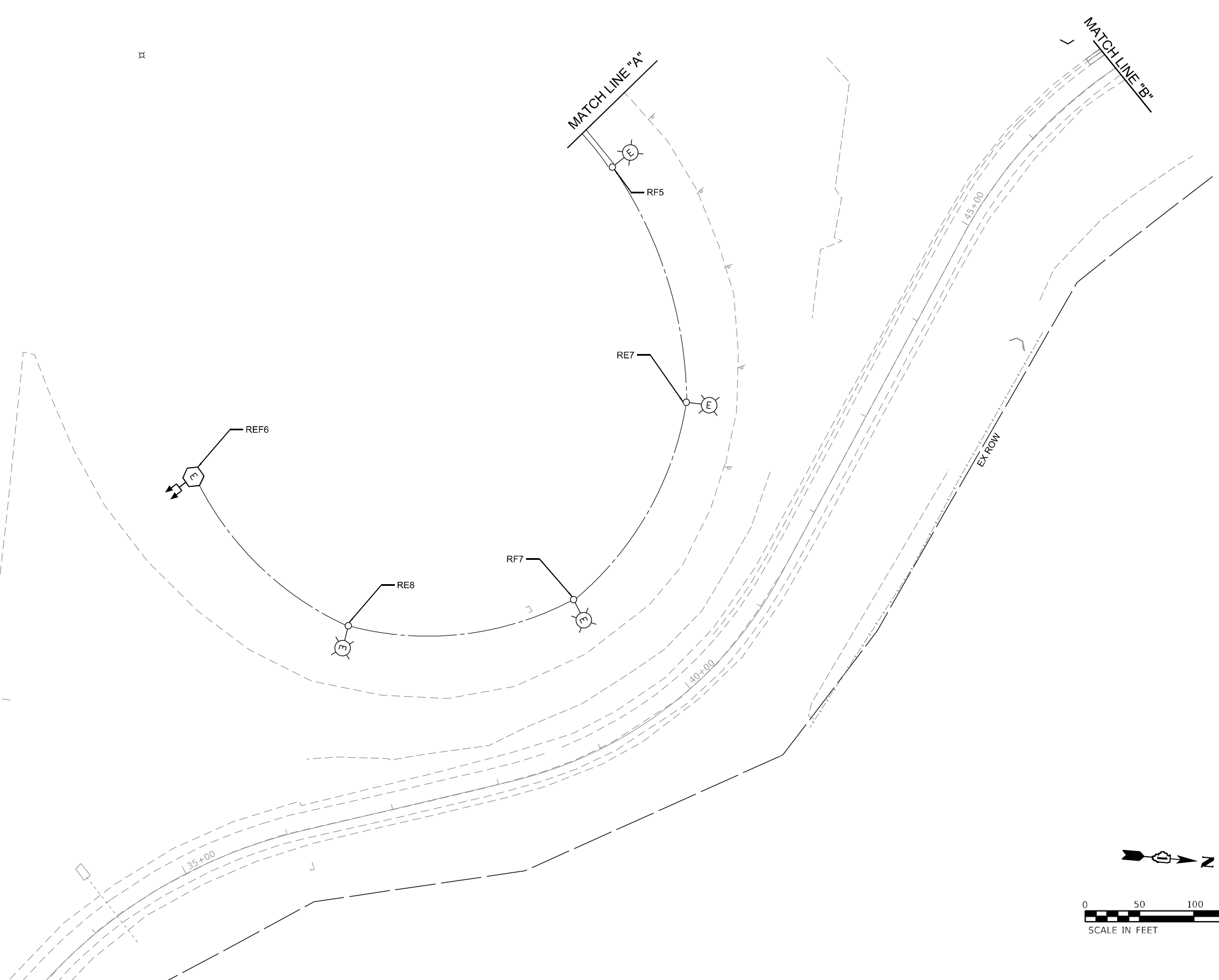




KEY MAP

**NOTES:**

- 1. NO WORK IS PERFORMED ON THIS PAGE



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 User: vturner



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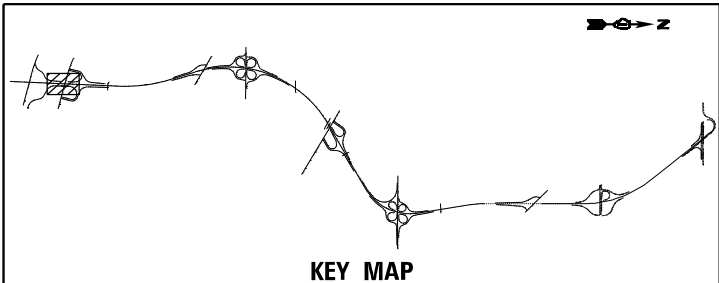
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CHECKED - RP/MG	REVISED -
DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 53  
PROPOSED LIGHTING PLAN**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 605
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

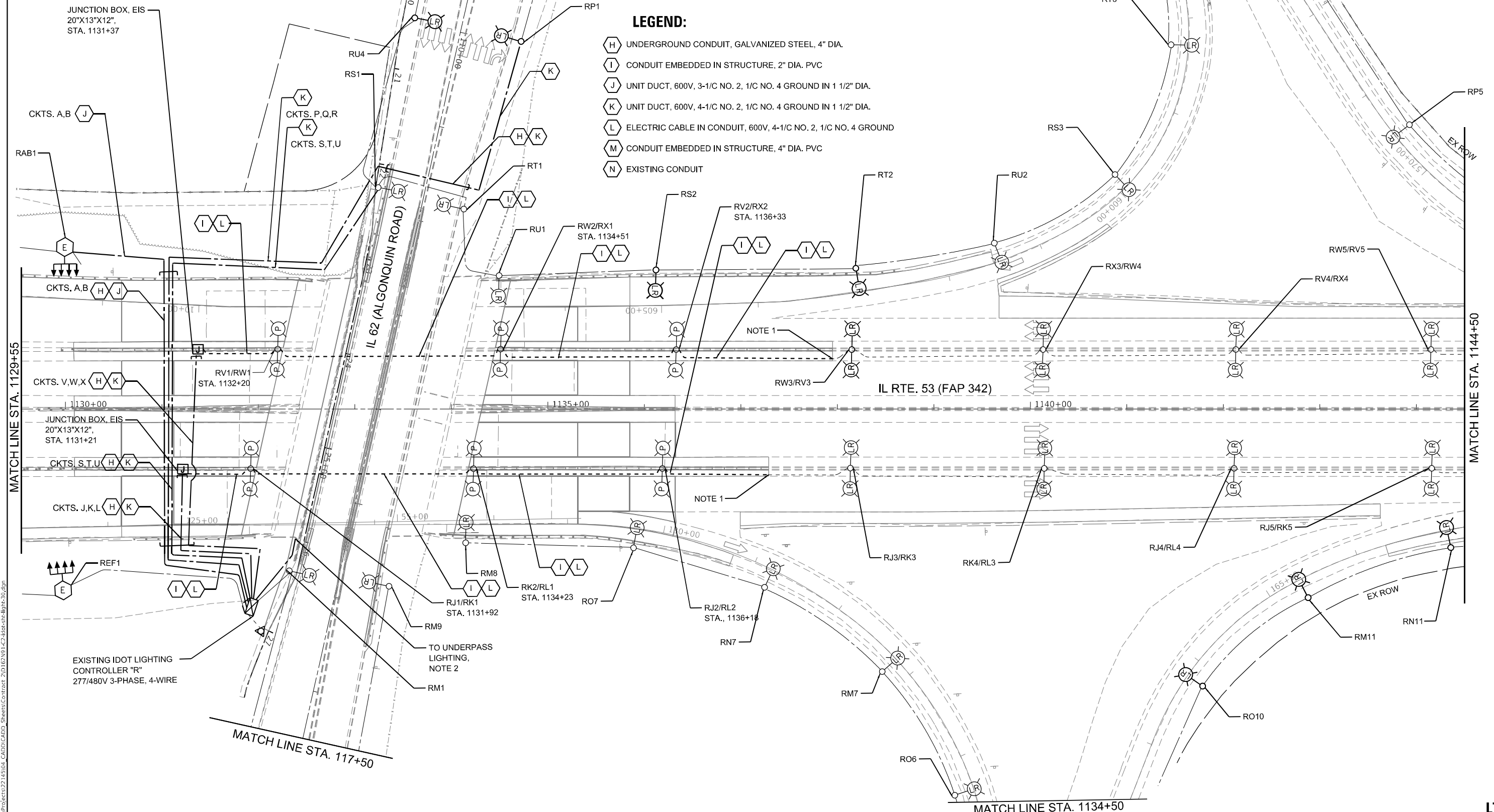
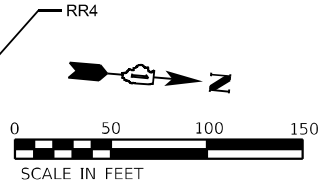


**NOTES:**

1. PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT
2. SEE SHEET LT-20 FOR PROPOSED UNDERPASS LIGHTING PLAN.

**LEGEND:**

- (H) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- (I) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (J) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
- (K) UNIT DUCT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
- (L) ELECTRIC CABLE IN CONDUIT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND
- (M) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (N) EXISTING CONDUIT



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 PROJECT: 6211  
 SHEET: 606  
 DATE: 12/11/2024



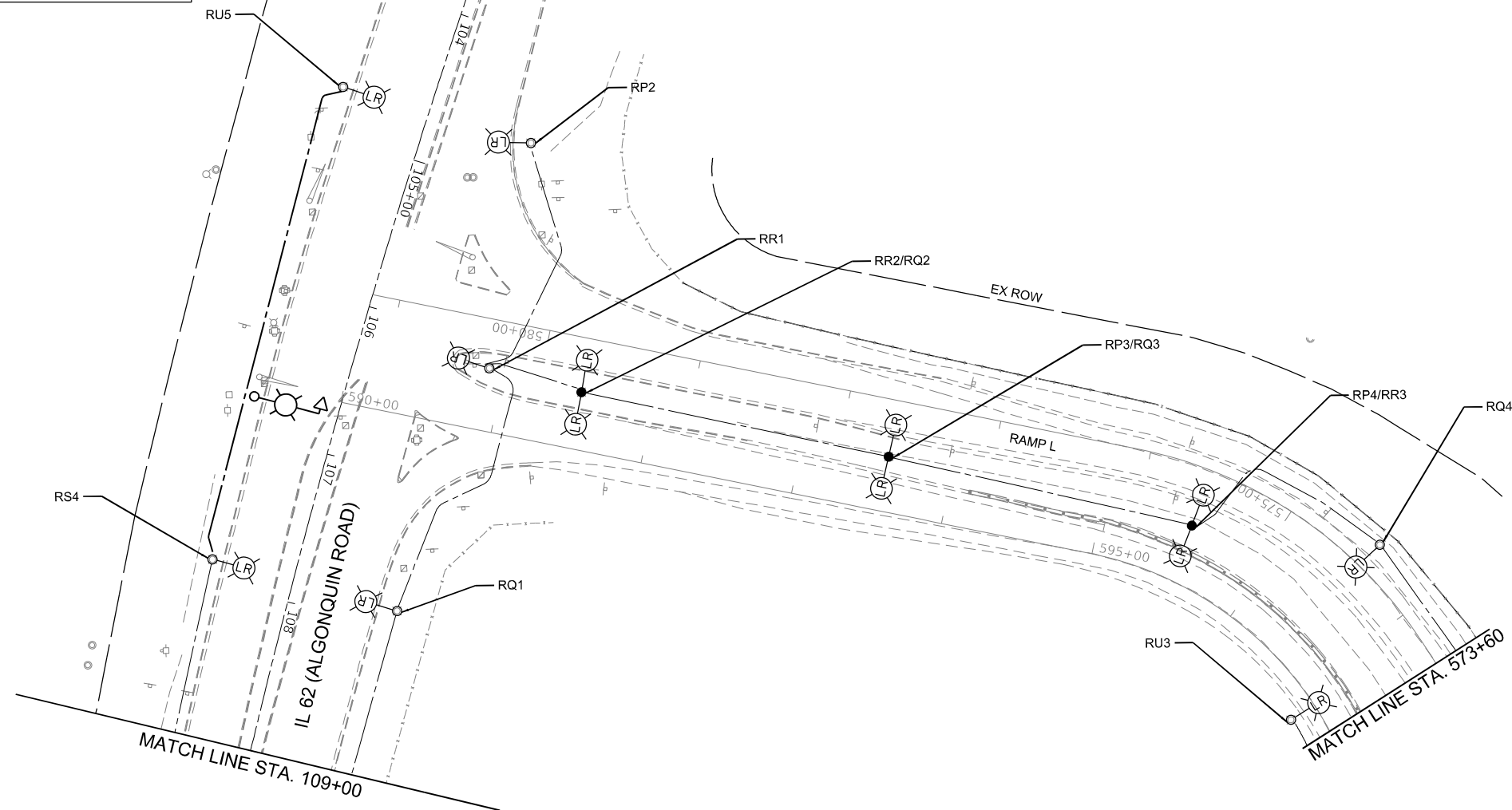
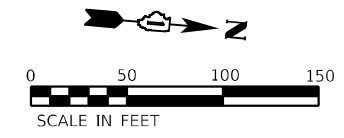
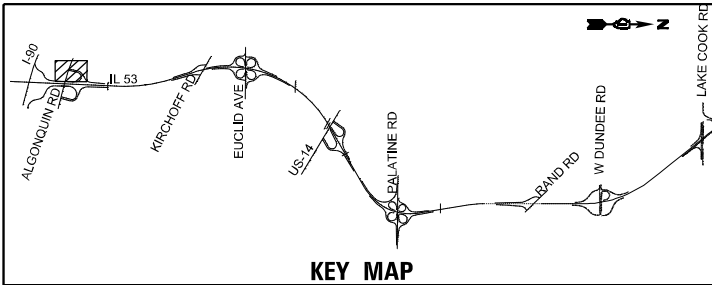
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	DATE - 12/20/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**PROPOSED LIGHTING PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 606
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 1/23/2025		

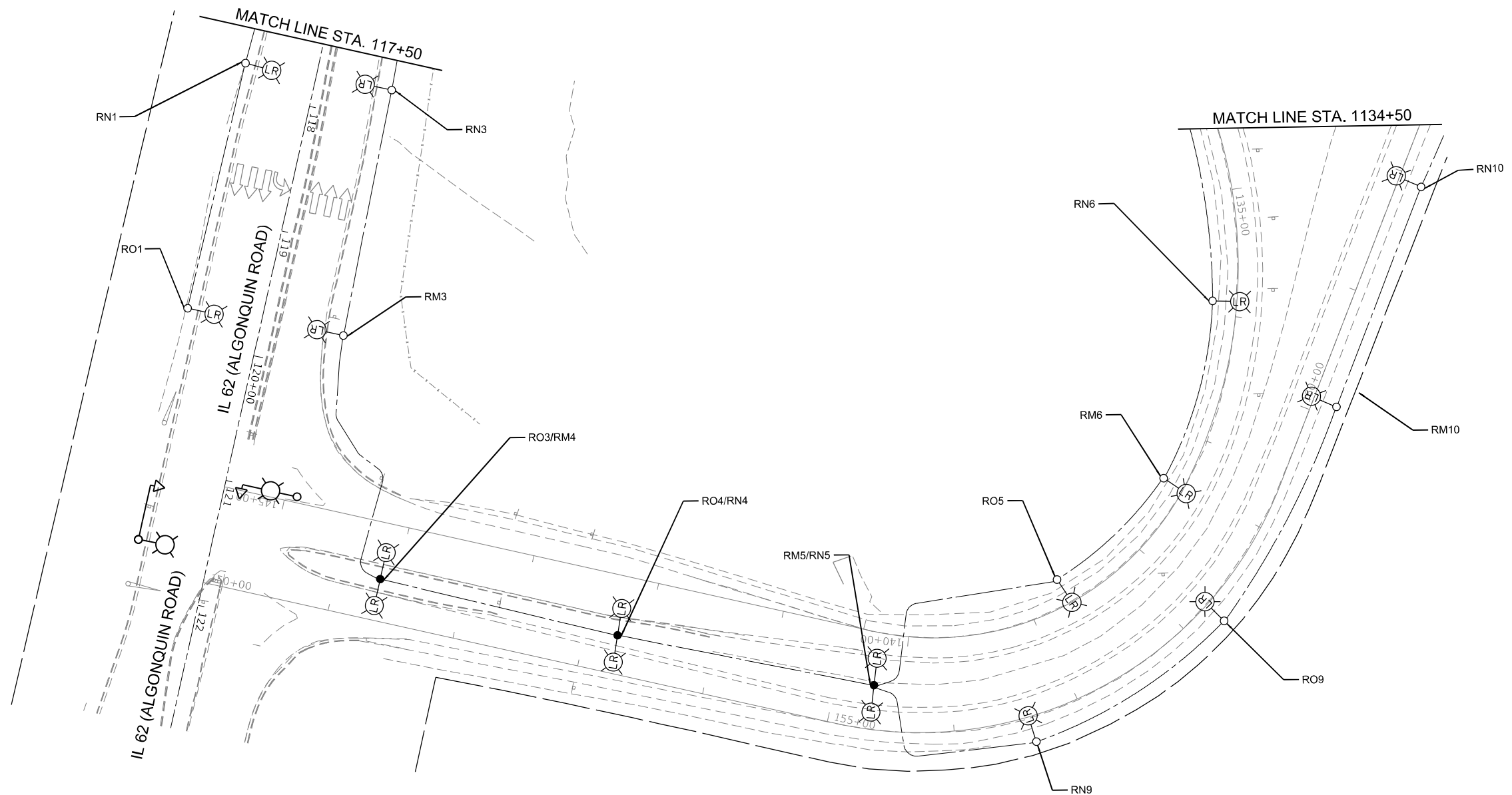
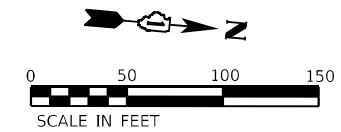
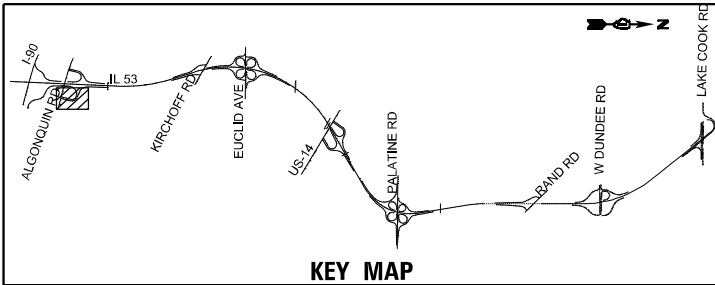
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 607
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

LT-31



MODEL: D:\p\h\...  
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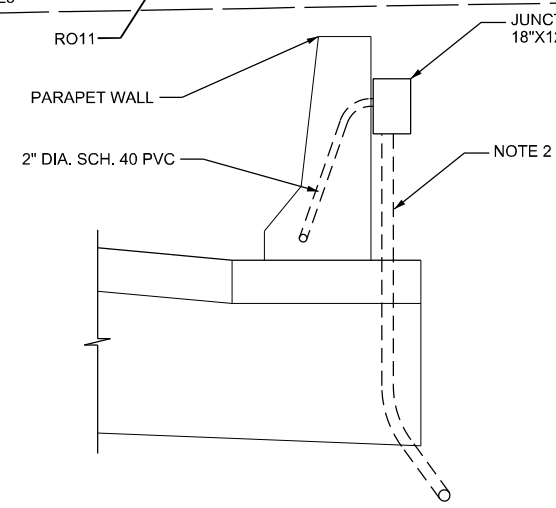
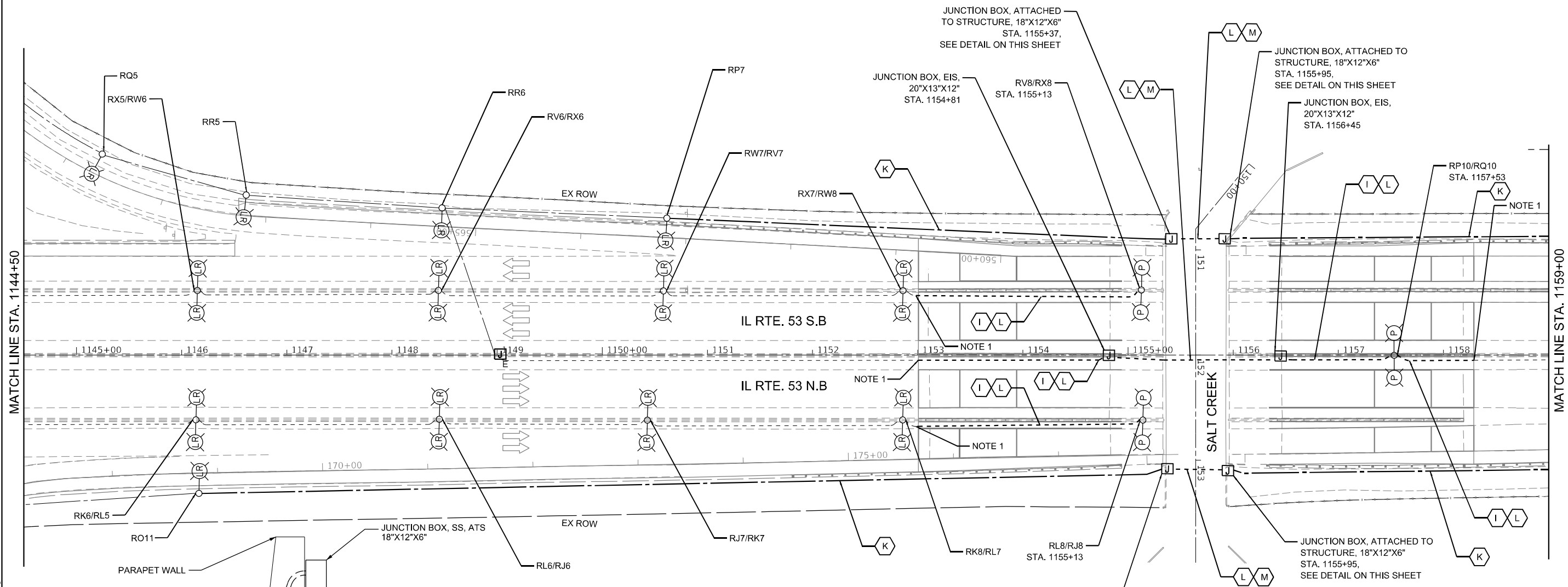
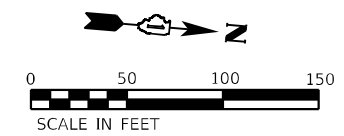
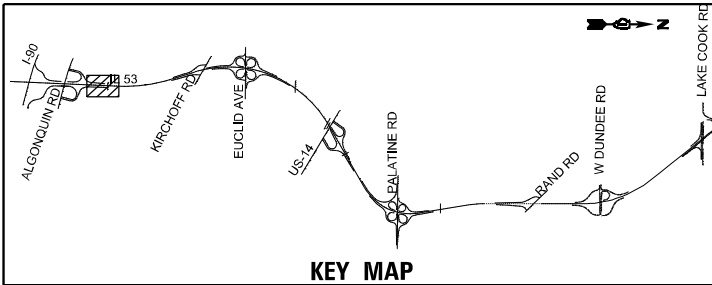
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	DATE - 1/24/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	608
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- (H) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
  - (I) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
  - (J) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
  - (K) UNIT DUCT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
  - (L) ELECTRIC CABLE IN CONDUIT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND
  - (M) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
  - (N) EXISTING CONDUIT

JUNCTION BOX, ATTACHED TO STRUCTURE, 18"X12"X6" STA. 1155+37, SEE DETAIL ON THIS SHEET

- NOTES:**
1. PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT
  2. REFER TO IDOT HIGHWAY STANDARD 812001-01 FOR MORE DETAILS. USE 3" CONDUIT TRANSITIONING FROM JUNCTION BOX ATTACHED TO STRUCTURE GOING UNDERGROUND TO ACCOMMODATE 1 1/2" UNIT DUCT. USE IDOT STANDARD 812001-01 WITH EXCEPTION NOTED ON DETAILS HERE ON PLANS.

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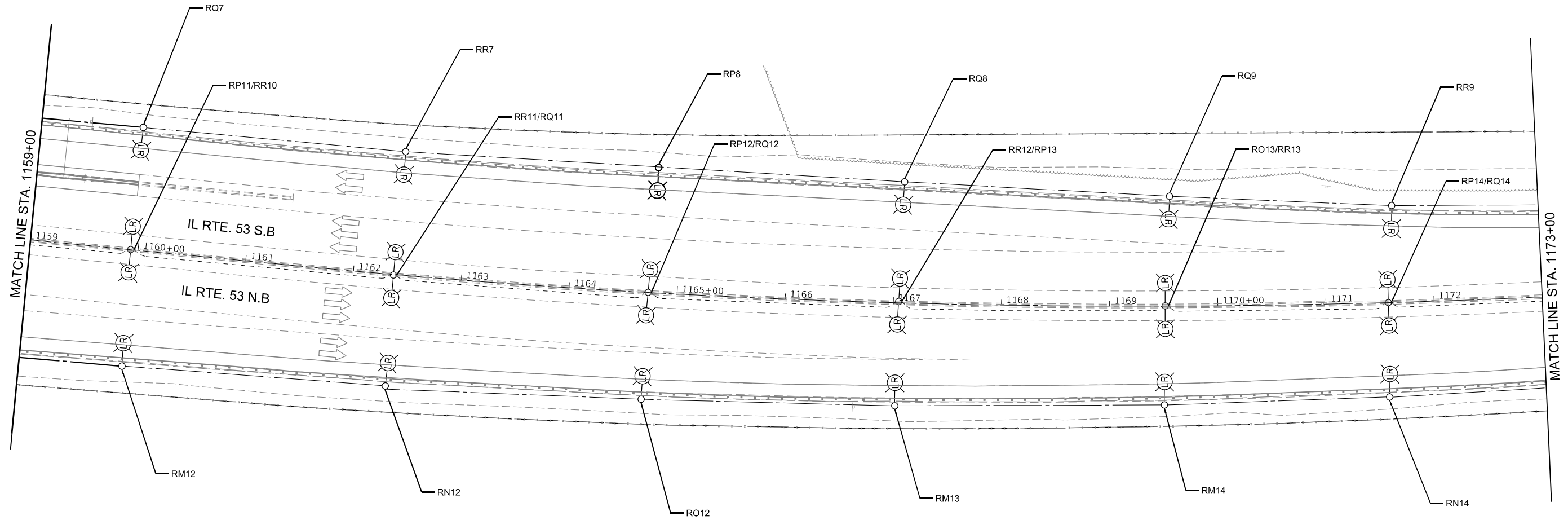
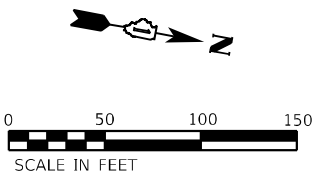
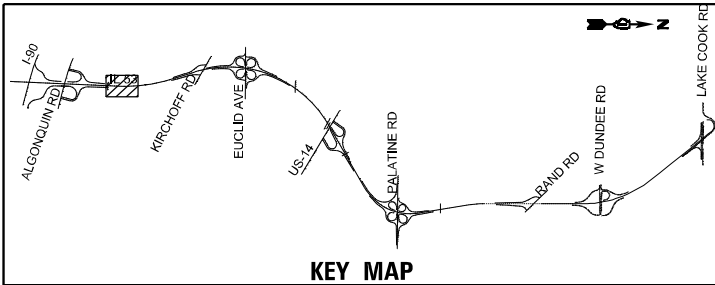
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	DATE - 1/24/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	609
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



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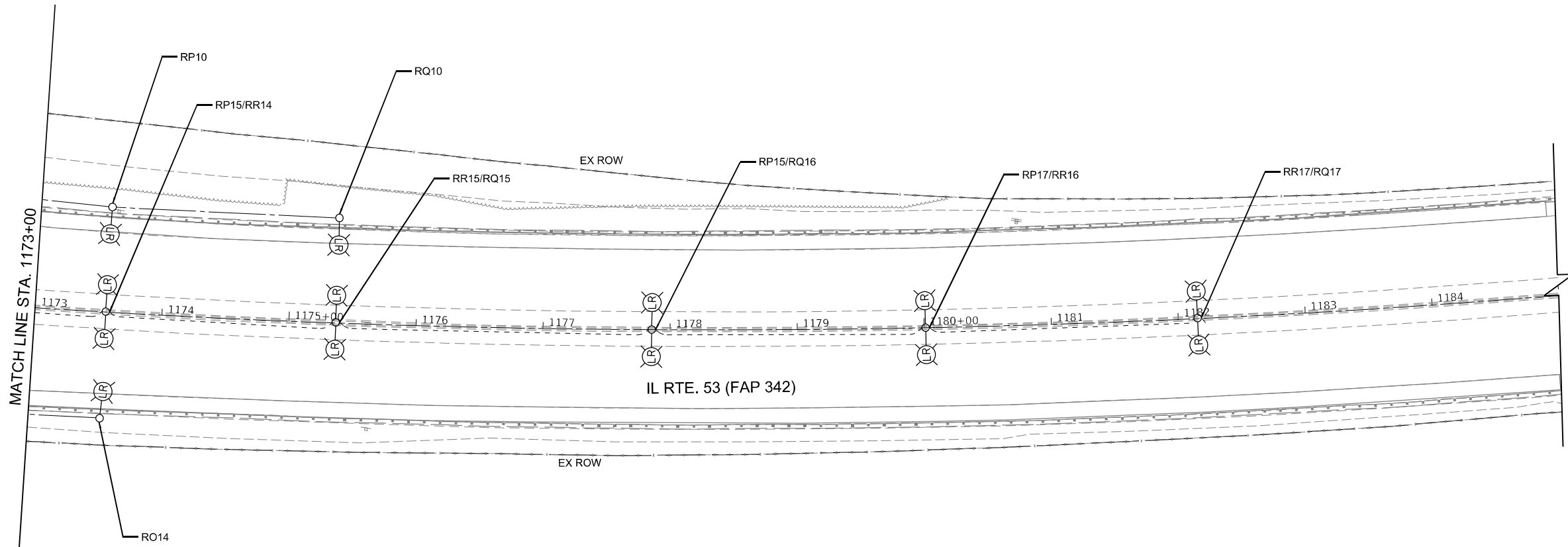
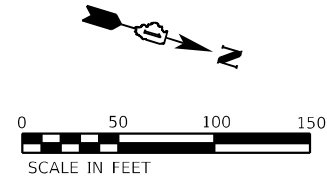
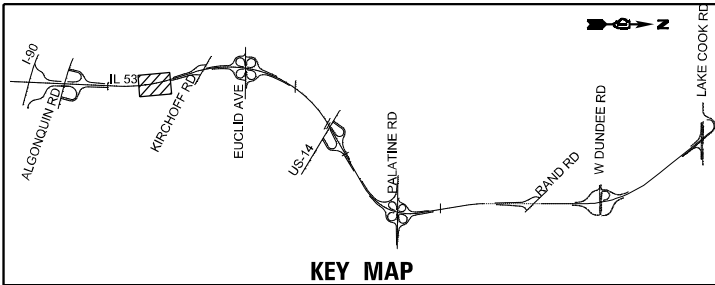
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1"=50"      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 610
ILLINOIS			FED. AID PROJECT	



MODEL: D:\p\h\h  
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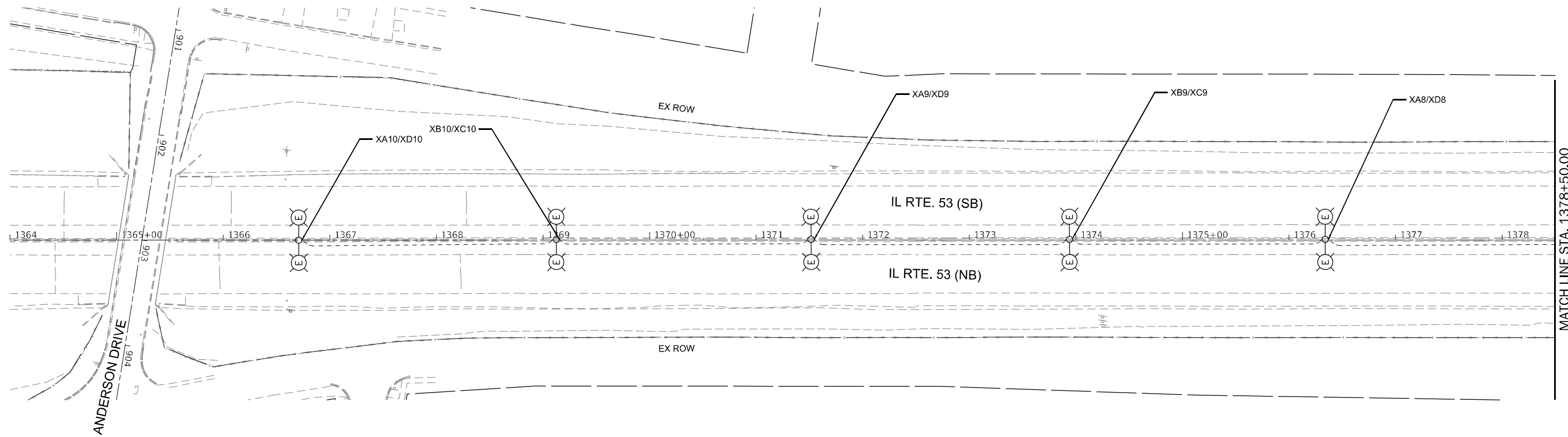
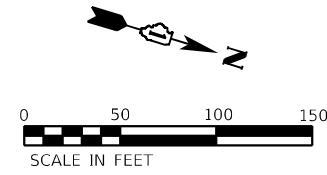
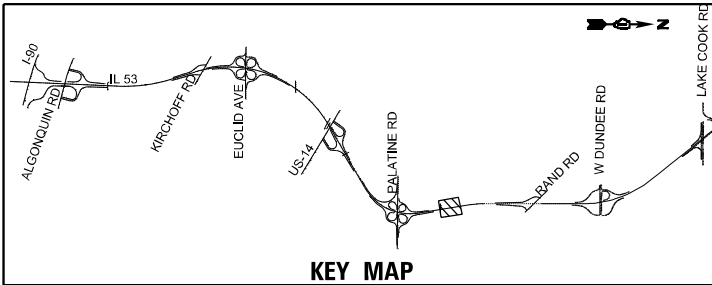
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	611
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



MODEL: D:\p\h\p\...  
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DRAWN - AP/MAG	REVISIONS	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

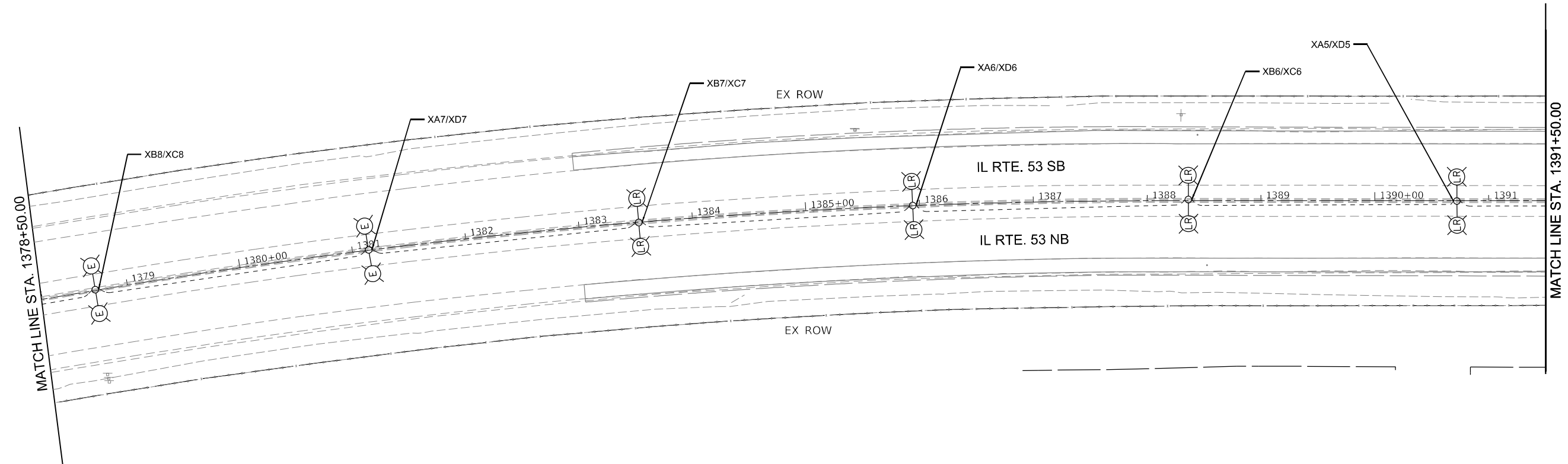
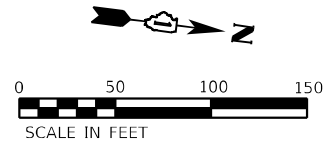
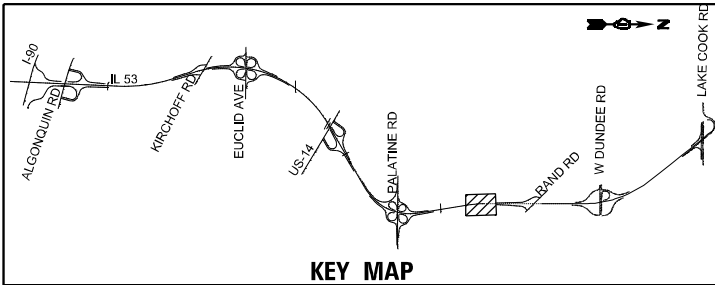
IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. 1364+00.00 TO STA. 1378+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	612
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

LT-36





MODEL: D:\p\h\p\...  
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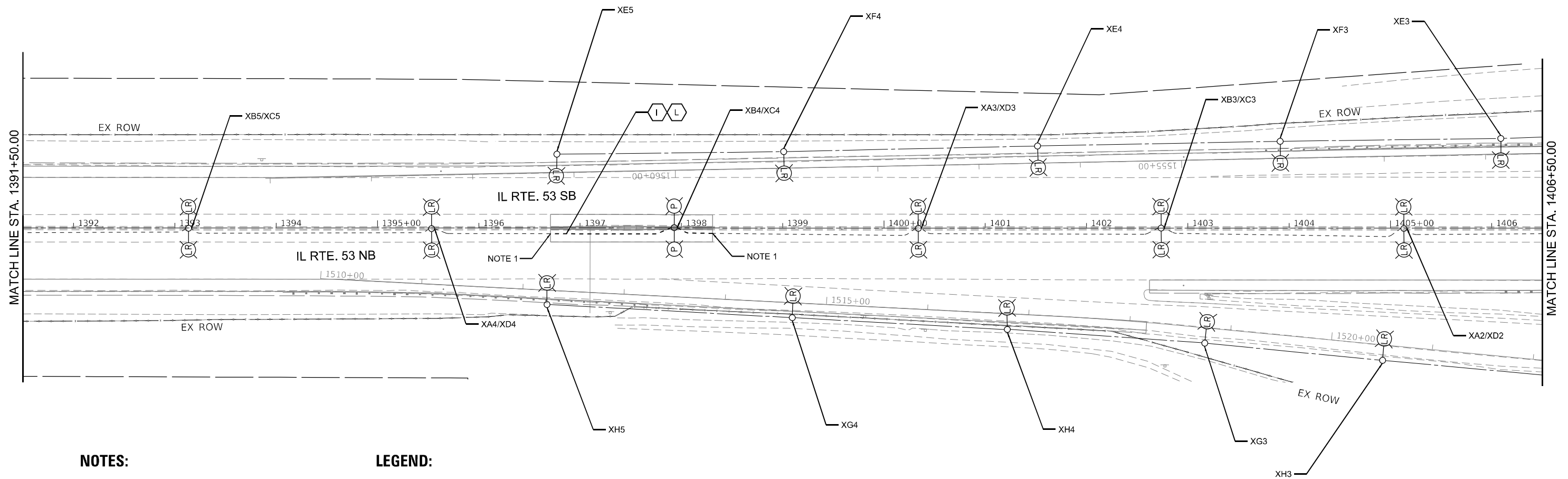
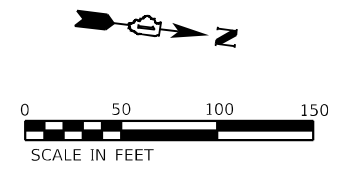
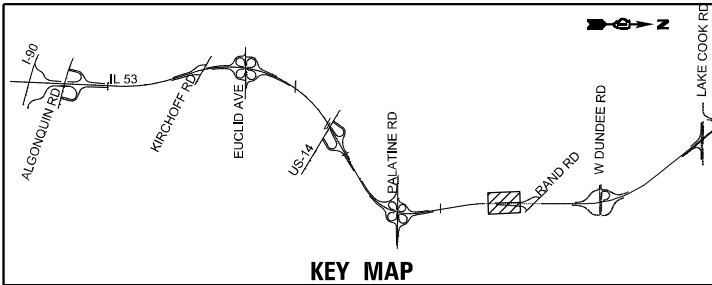
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. 1378+50.00 TO STA. 1391+50.00

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 613
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



**NOTES:**

- 1. PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT

**LEGEND:**

- CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- ELECTRIC CABLE IN CONDUIT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND

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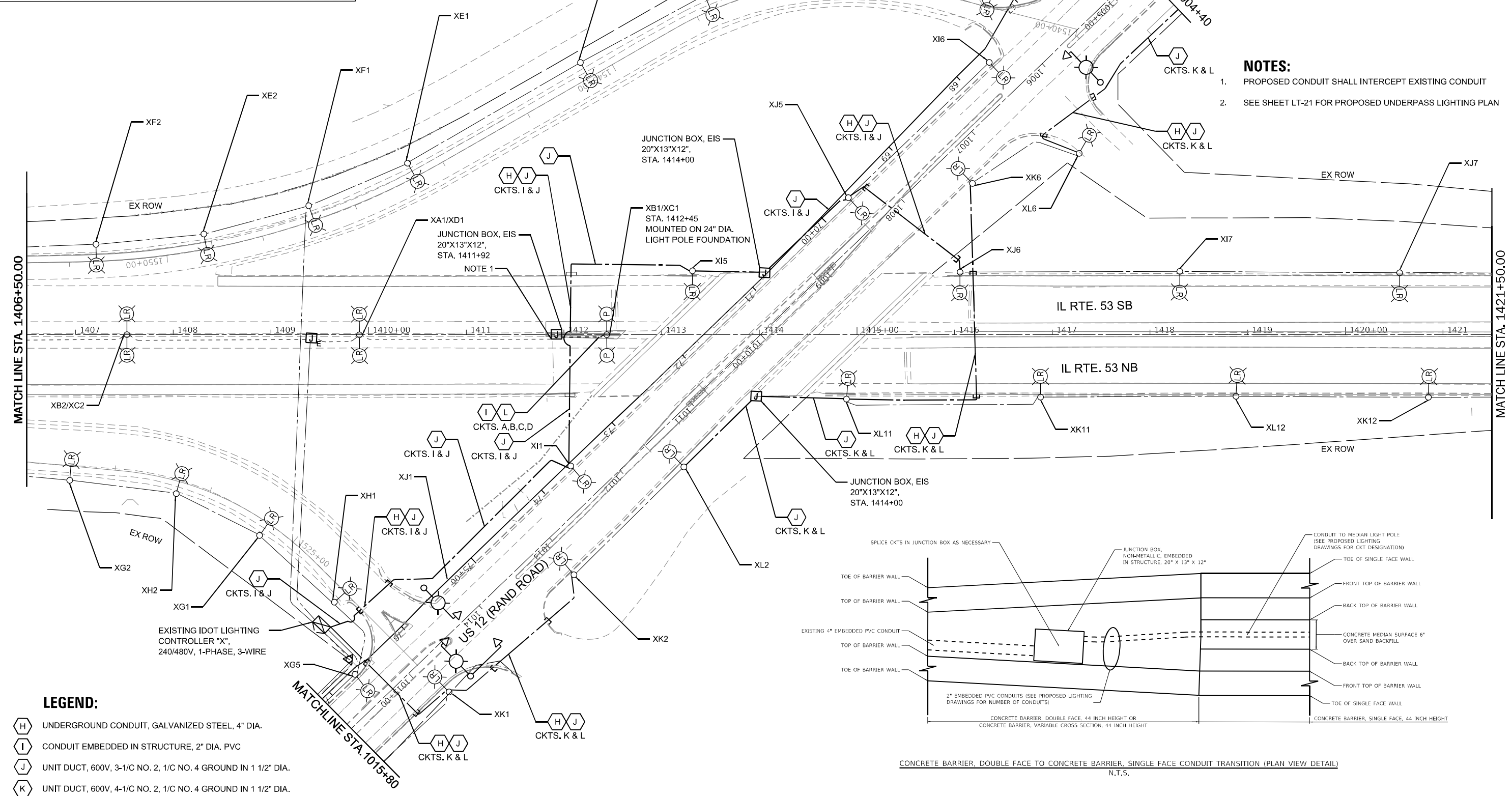
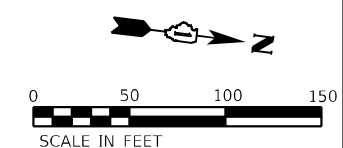
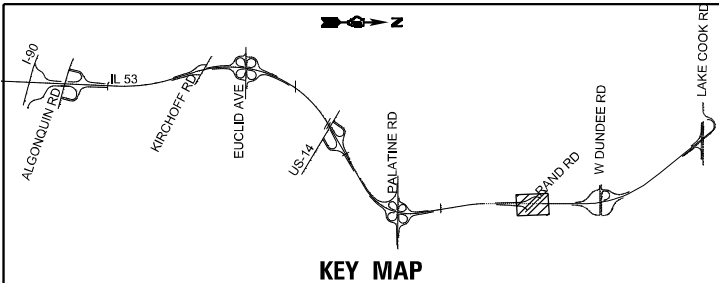
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DRAWN - AP/MAG	REVISED -	
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
PROPOSED LIGHTING PLAN**

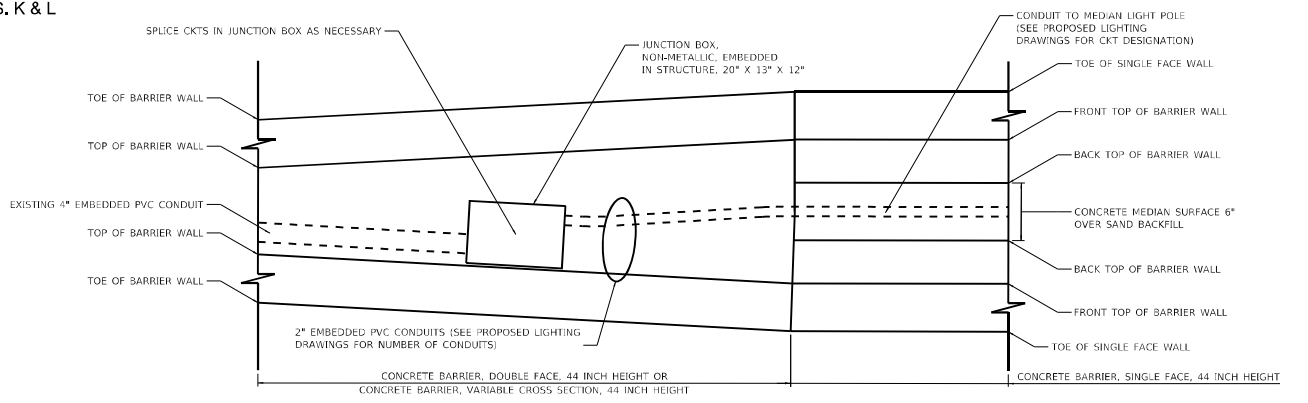
SCALE: 1" = 50' SHEET OF SHEETS STA. 1391+50.00 TO STA. 1406+50.00

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 614
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



- NOTES:**
- PROPOSED CONDUIT SHALL INTERCEPT EXISTING CONDUIT
  - SEE SHEET LT-21 FOR PROPOSED UNDERPASS LIGHTING PLAN

- LEGEND:**
- UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
  - CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
  - UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
  - UNIT DUCT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.
  - ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND



CONCRETE BARRIER, DOUBLE FACE TO CONCRETE BARRIER, SINGLE FACE CONDUIT TRANSITION (PLAN VIEW DETAIL)  
N.T.S.

MODEL: P:\proj\62191\62191.dwg; FILE NAME: I:\11\proj\62191\62191.dwg; SHEET: 342 OF 615



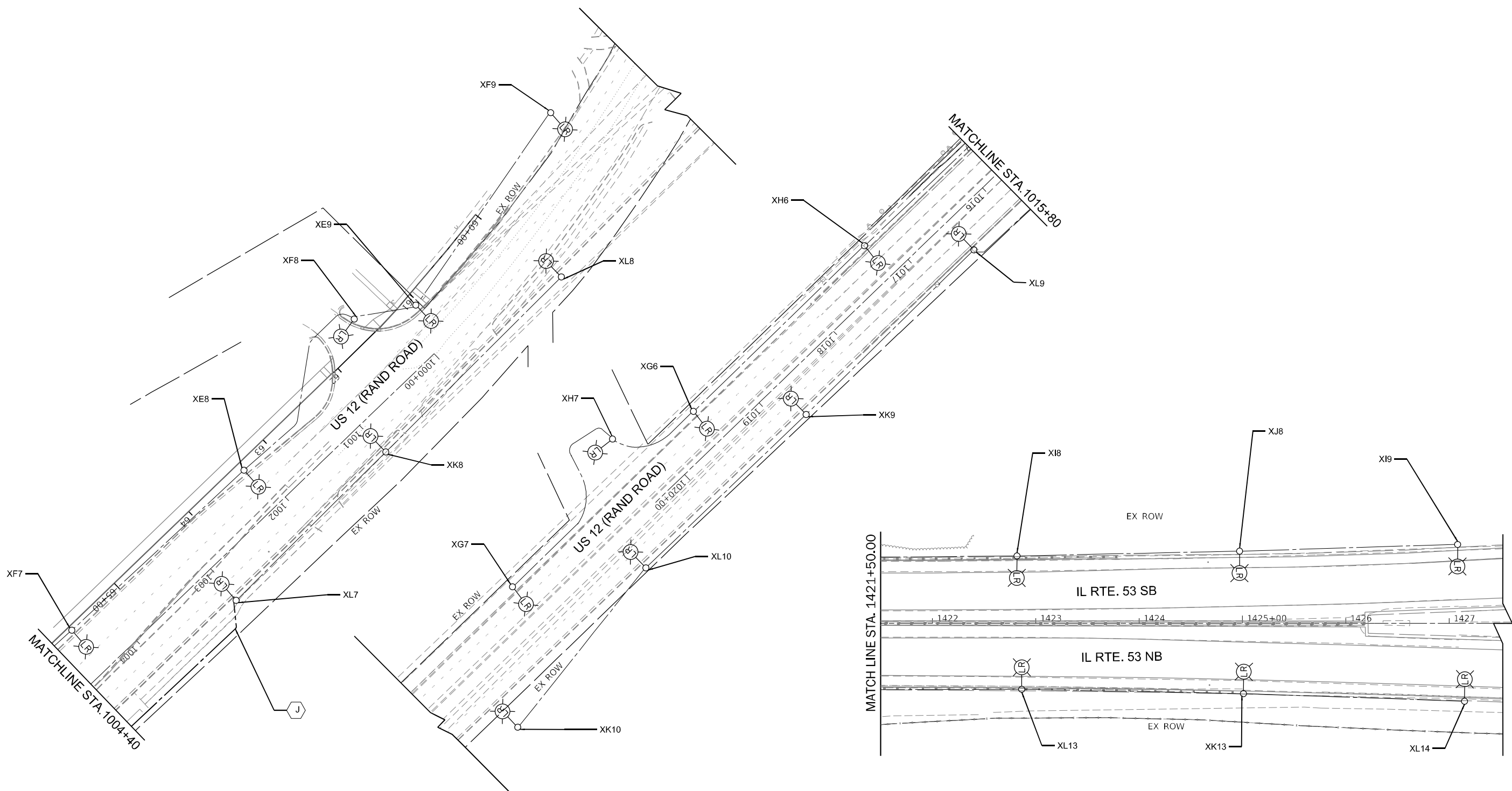
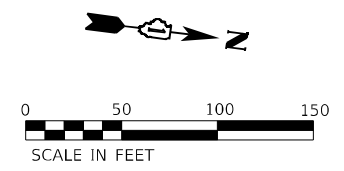
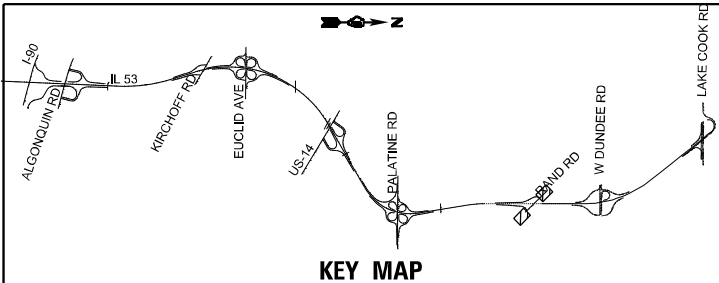
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	DATE - 1/24/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. 1406+50.00 TO STA. 1427+00.00

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 615
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



**LEGEND:**  
 UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND IN 1 1/2" DIA.

MODEL: D:\p\h\...  
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USER NAME = vnuñez	DESIGNED - VG	REVISED -
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	DATE - 12/20/2024	REVISED -

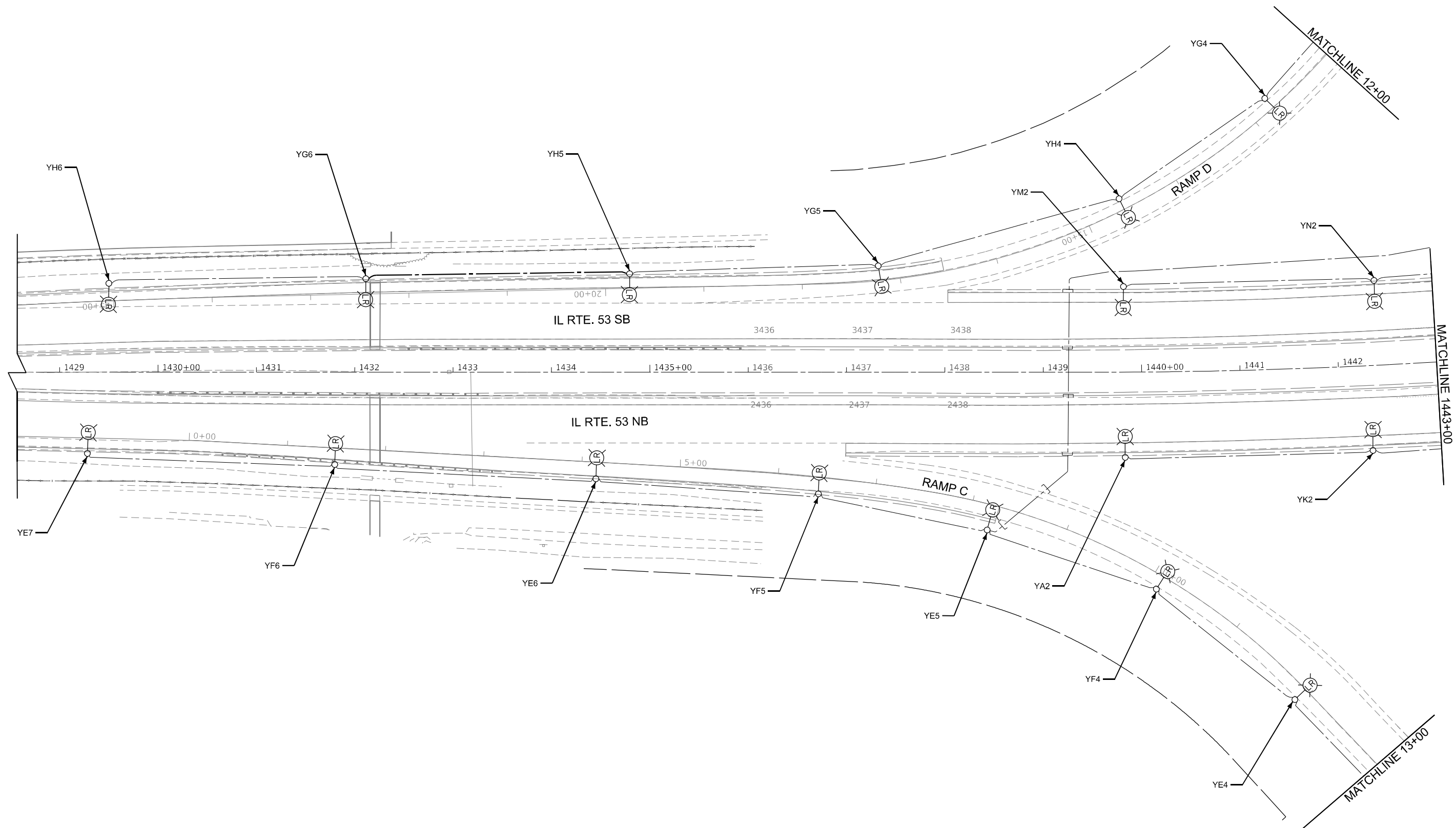
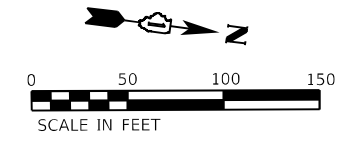
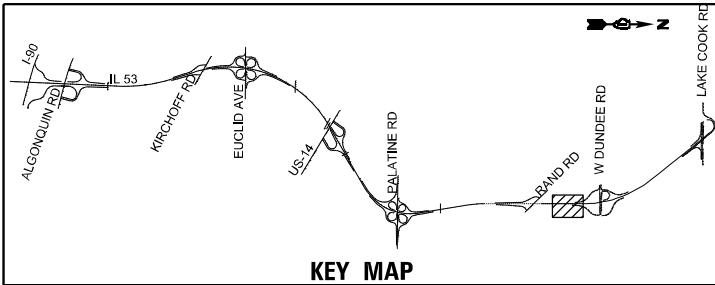
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
PROPOSED LIGHTING PLAN**

SCALE: 1" = 50' SHEET 13 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 616
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

**LT-40**



MODEL: D:\p\h\h  
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DRAWN - AP/MAG	REVISOR -	
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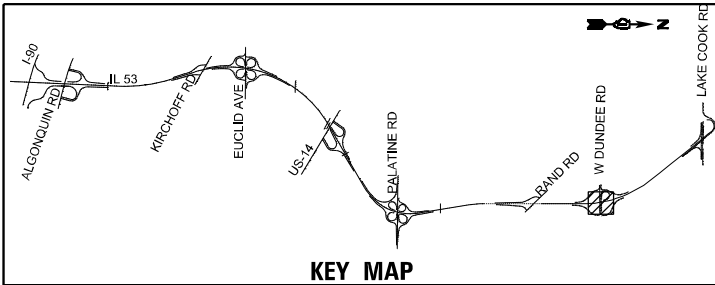
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

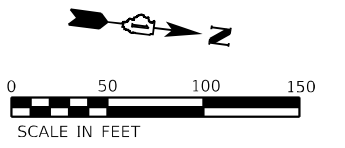
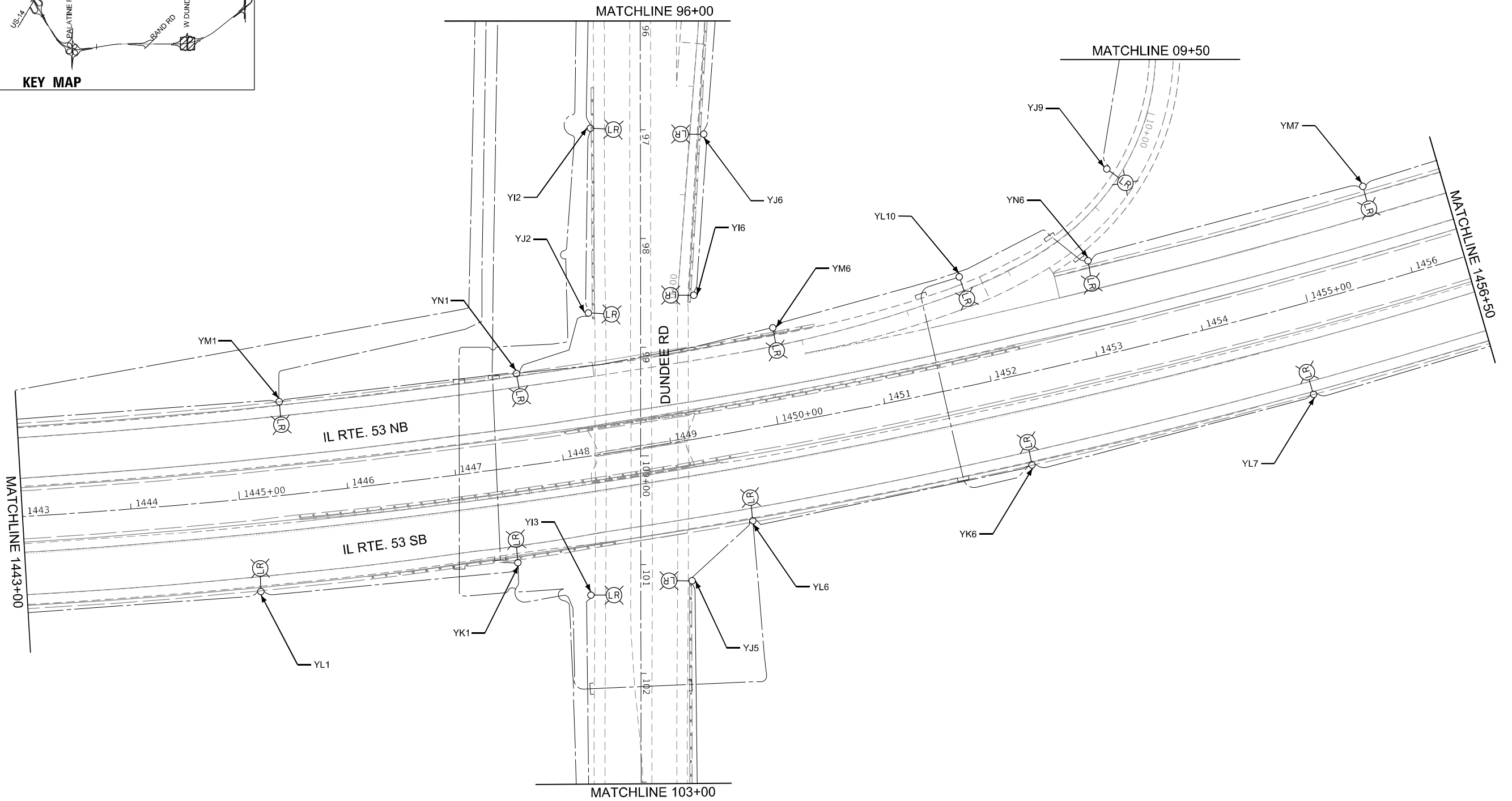
SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY CO693	TOTAL SHEETS 1351	SHEET NO. 617
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

LT-41



KEY MAP



MODEL: D:\p\h\l  
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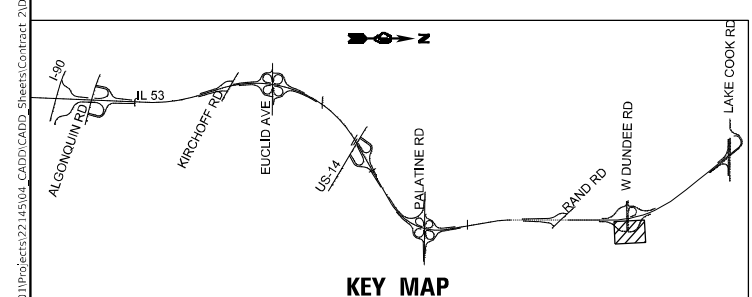
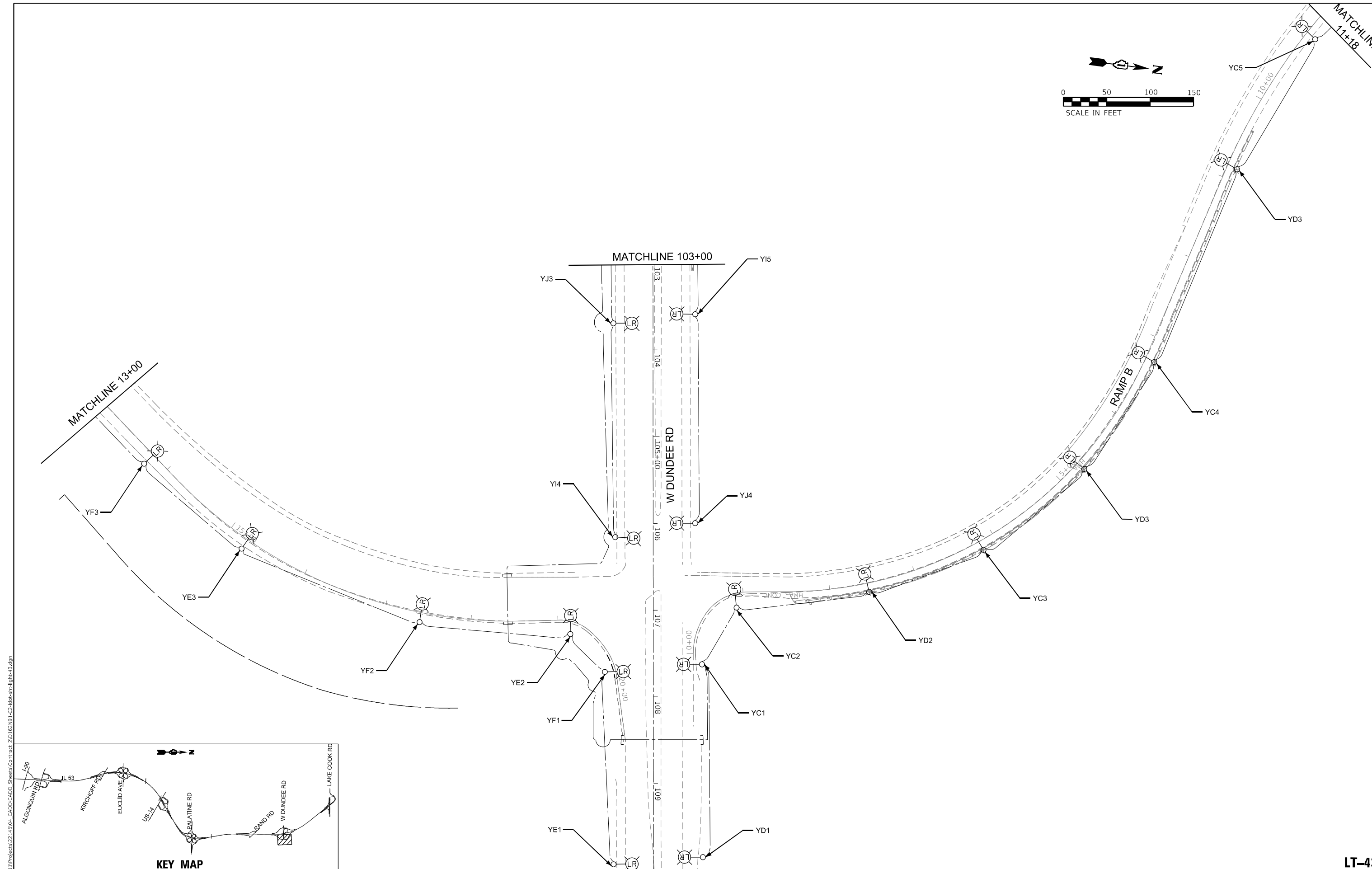
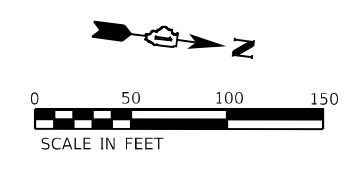
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PLOT DATE = 12/11/2024	CHECKED - RP/MG	REVISED -
	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	618
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



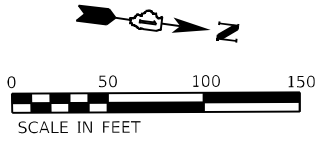
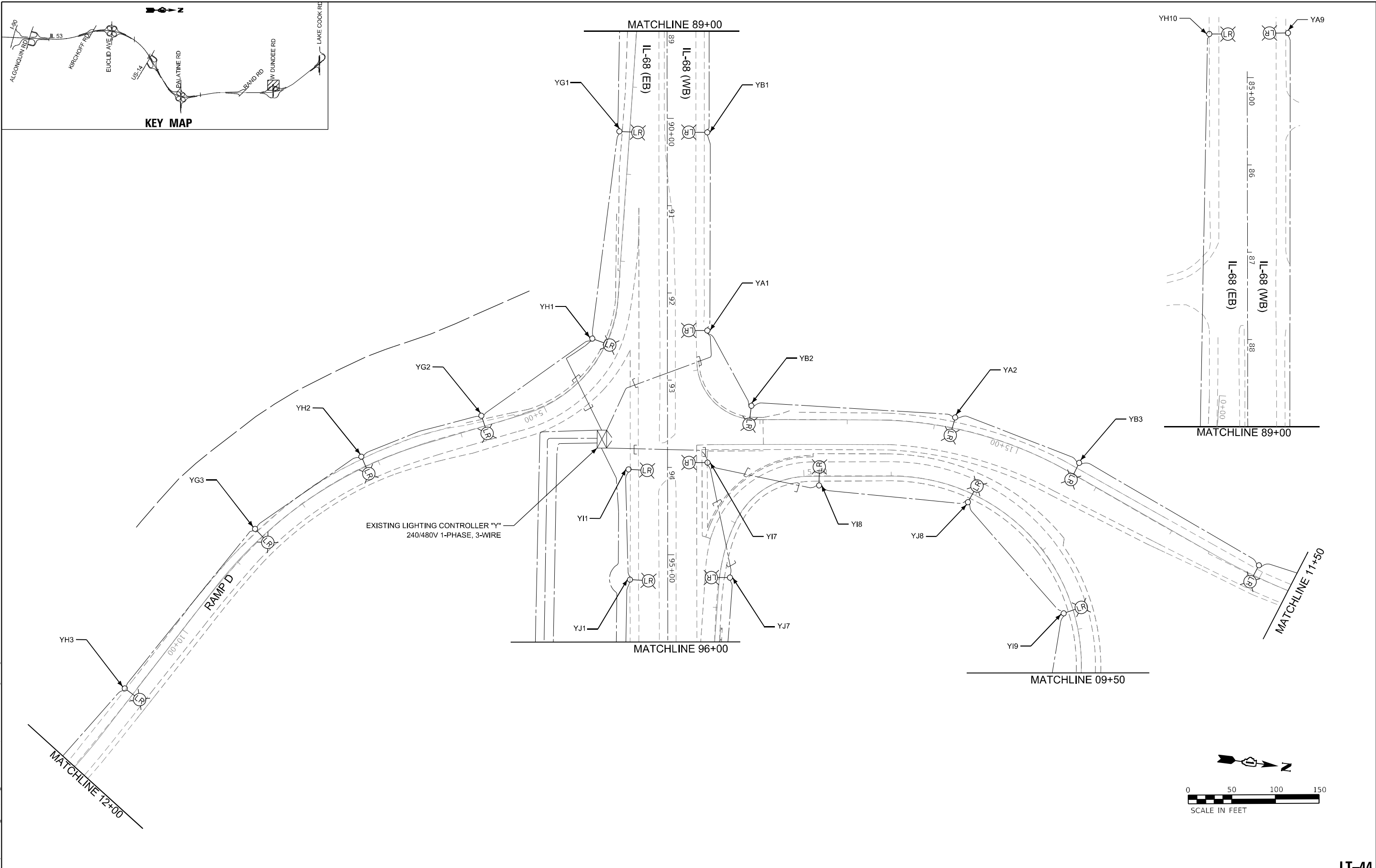
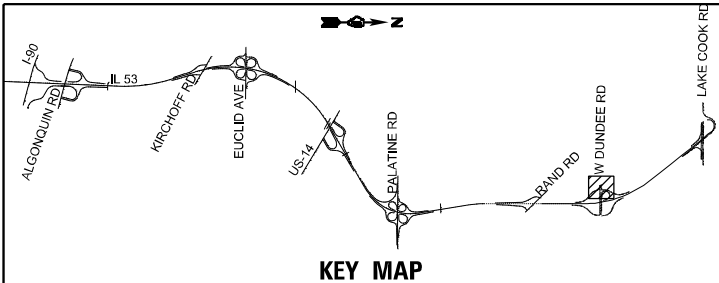
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 619
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



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PLOT SCALE = 100,0000' / in.	DRAWN - AP/MAG	REVISED -
PLOT DATE = 12/11/2024	CHECKED - RP/MG	REVISED -
	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

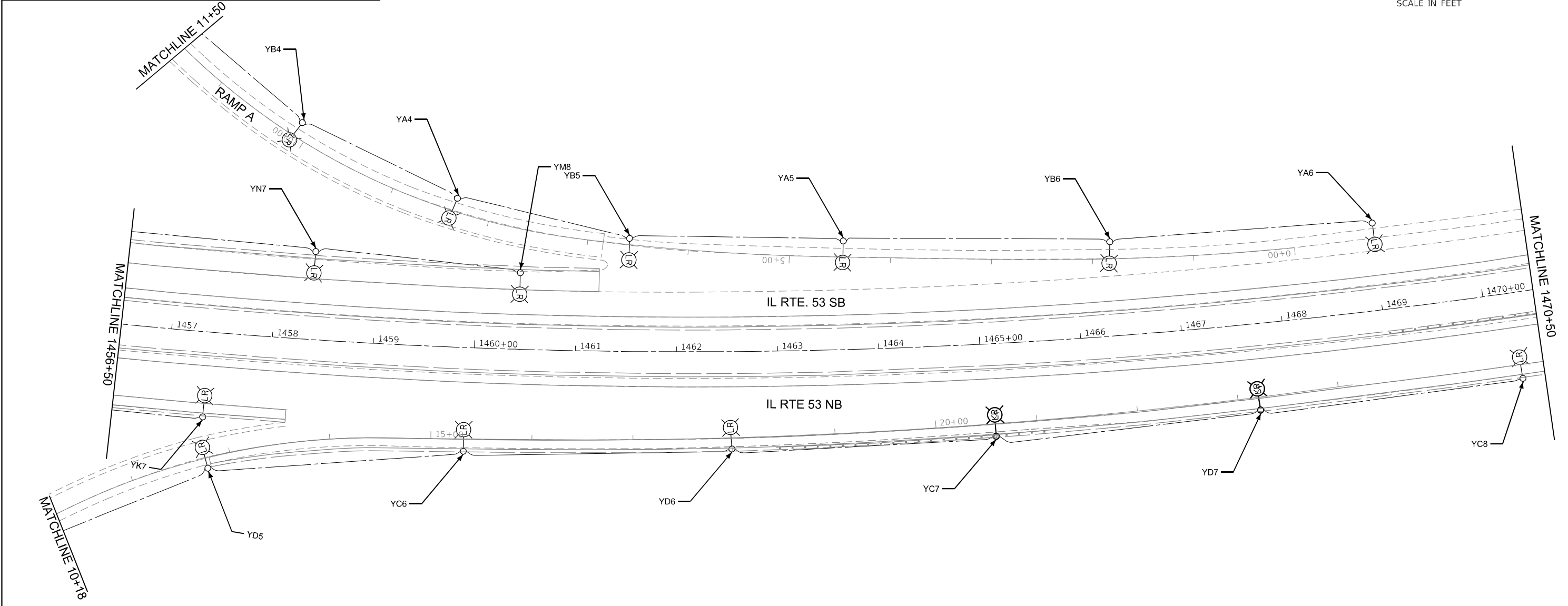
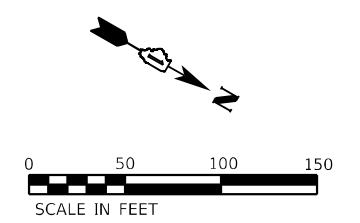
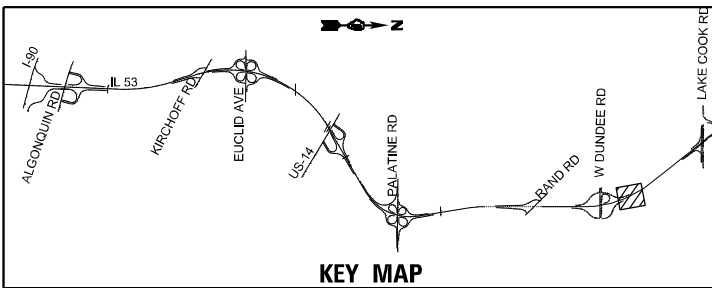
IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 620
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

LT-44





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	DATE - 12/20/2024	REVISED -

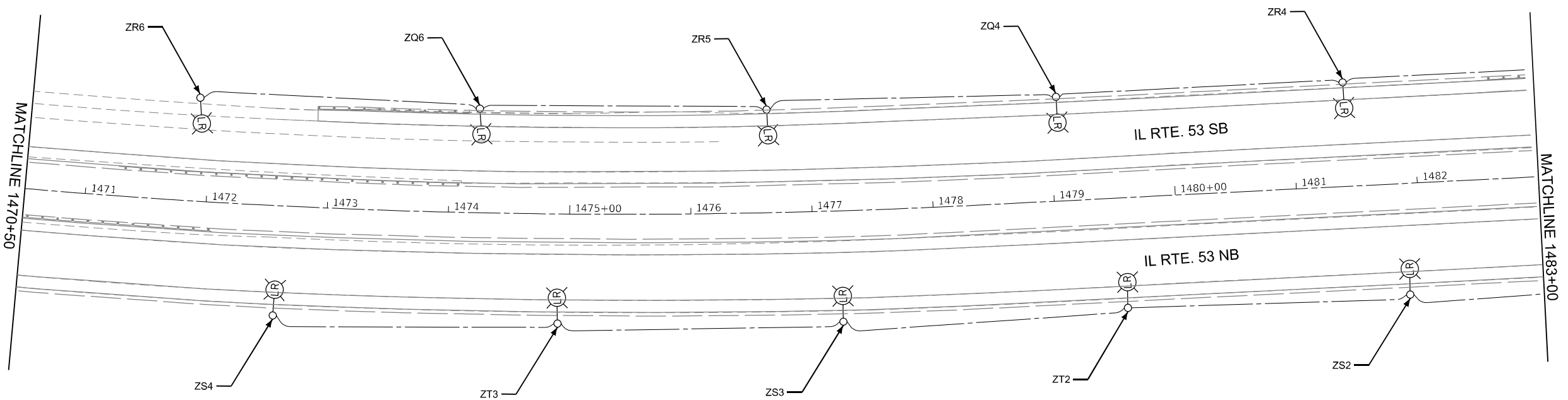
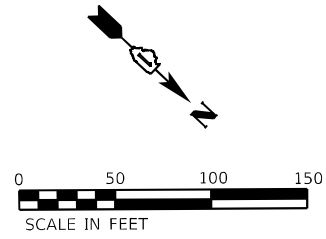
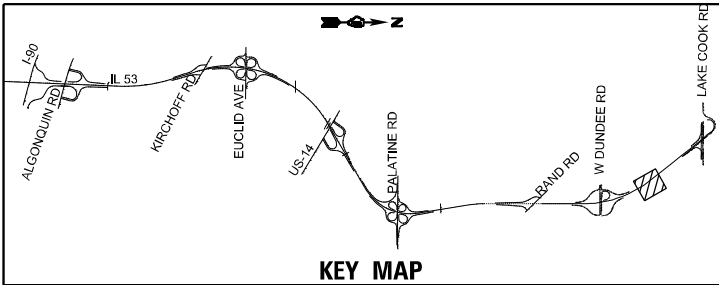
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
PROPOSED LIGHTING PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	621
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

LT-45



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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

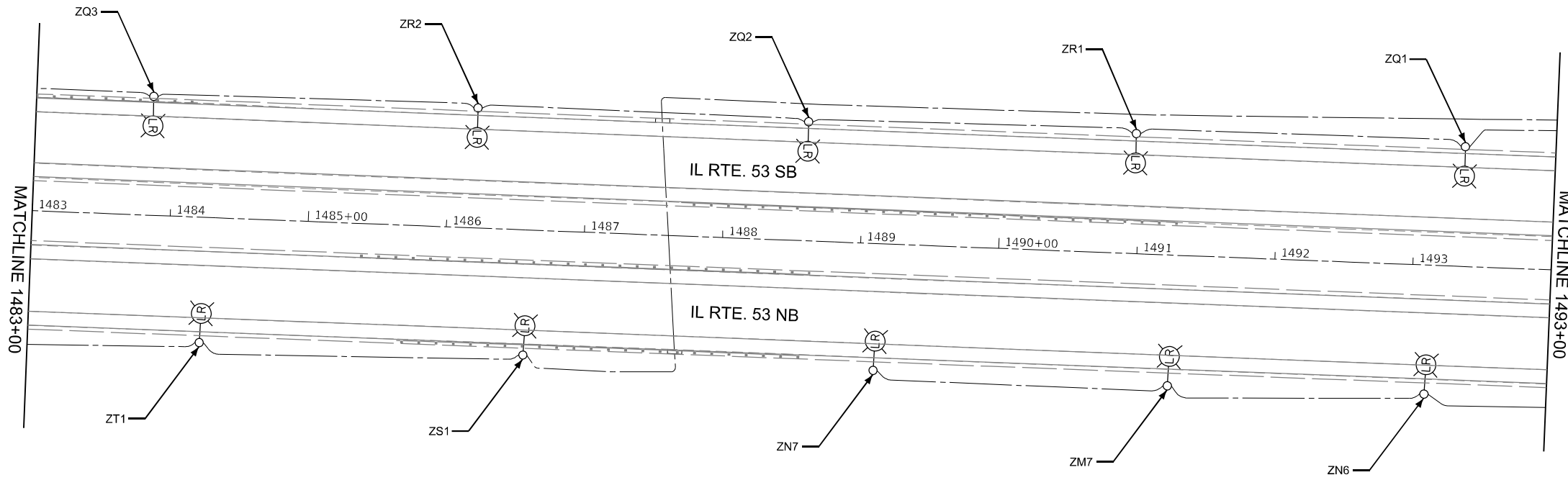
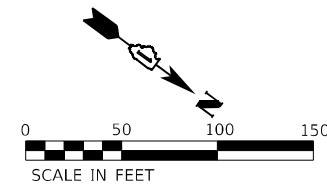
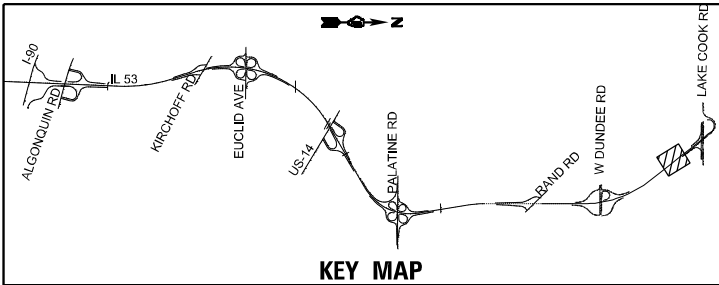
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	622
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

LT-46



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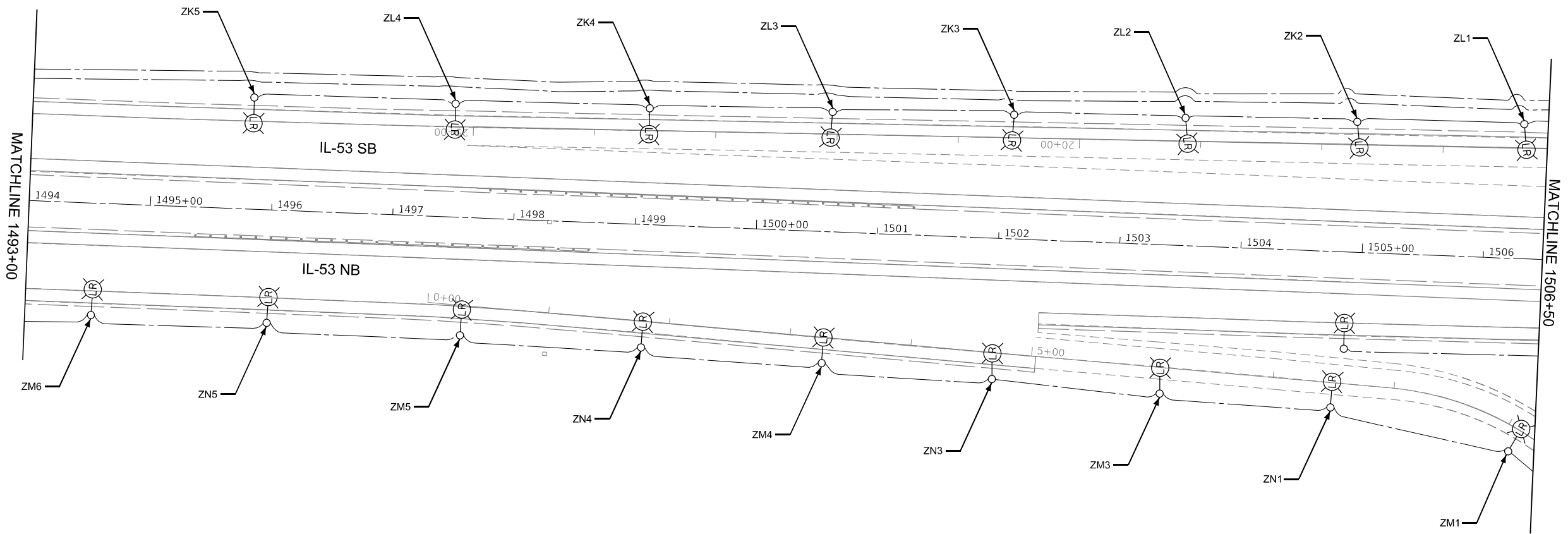
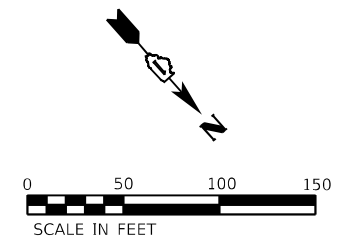
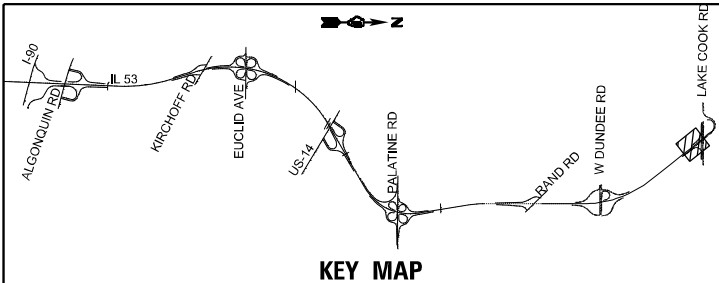
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	623
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



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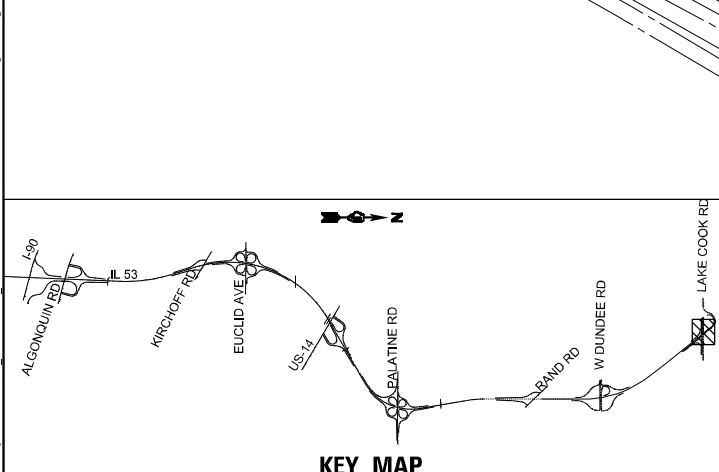
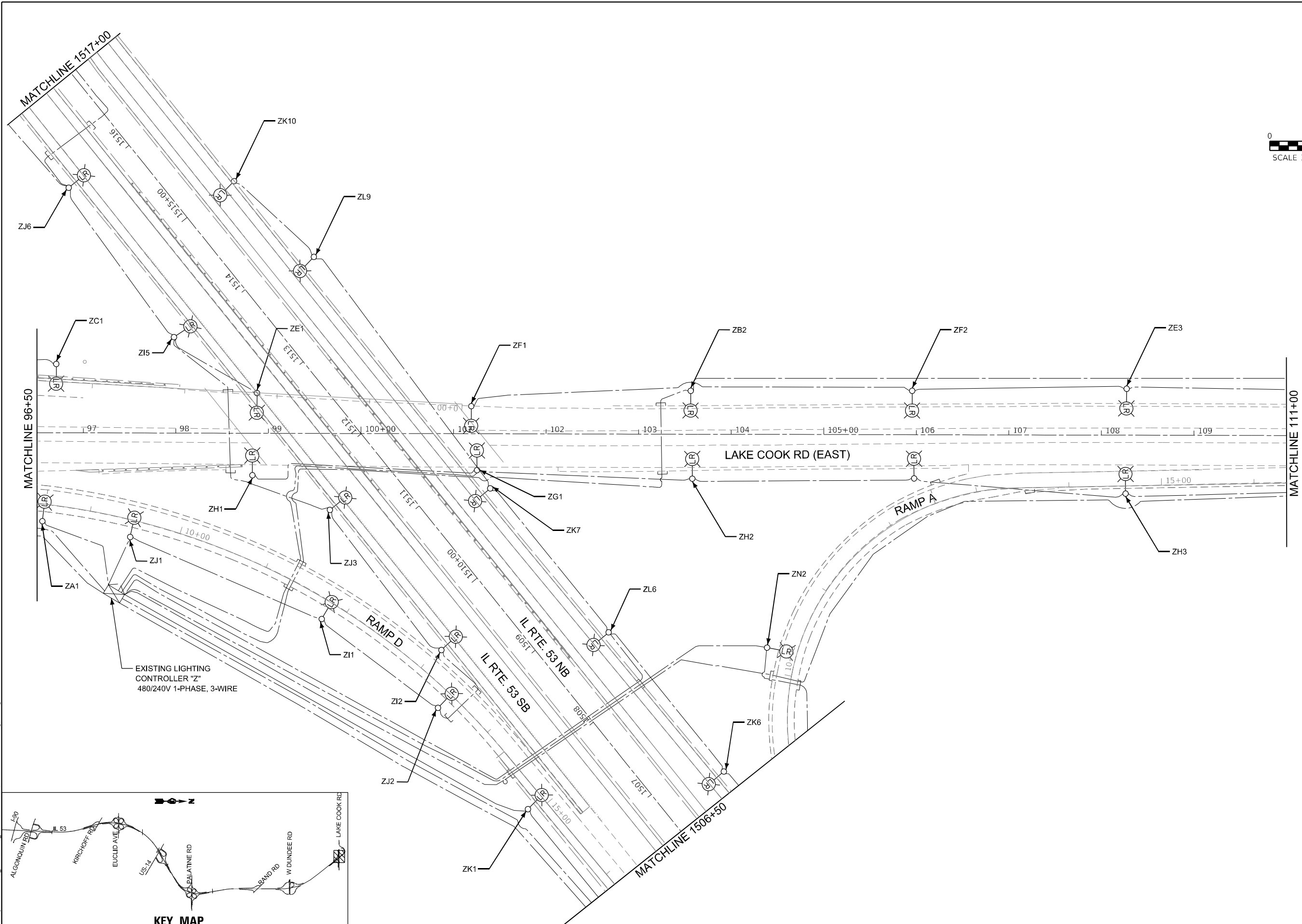
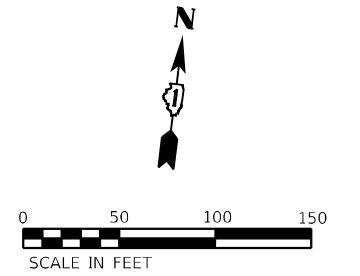
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DRAWN - AP/MAG	REVISIONS -	
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	624
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



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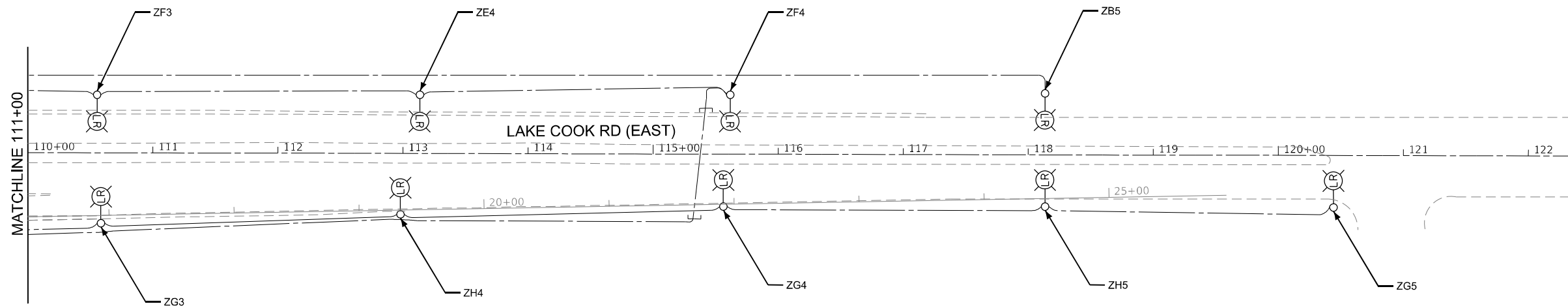
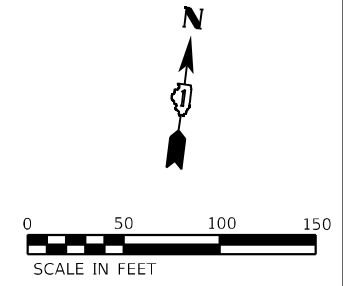
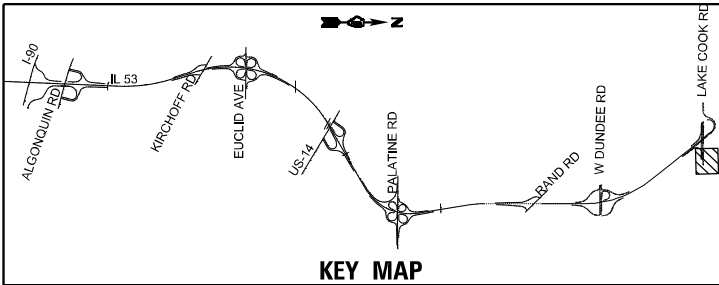
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PLOT DATE = 12/11/2024	CHECKED - RP/MG	REVISED -
	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 625
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



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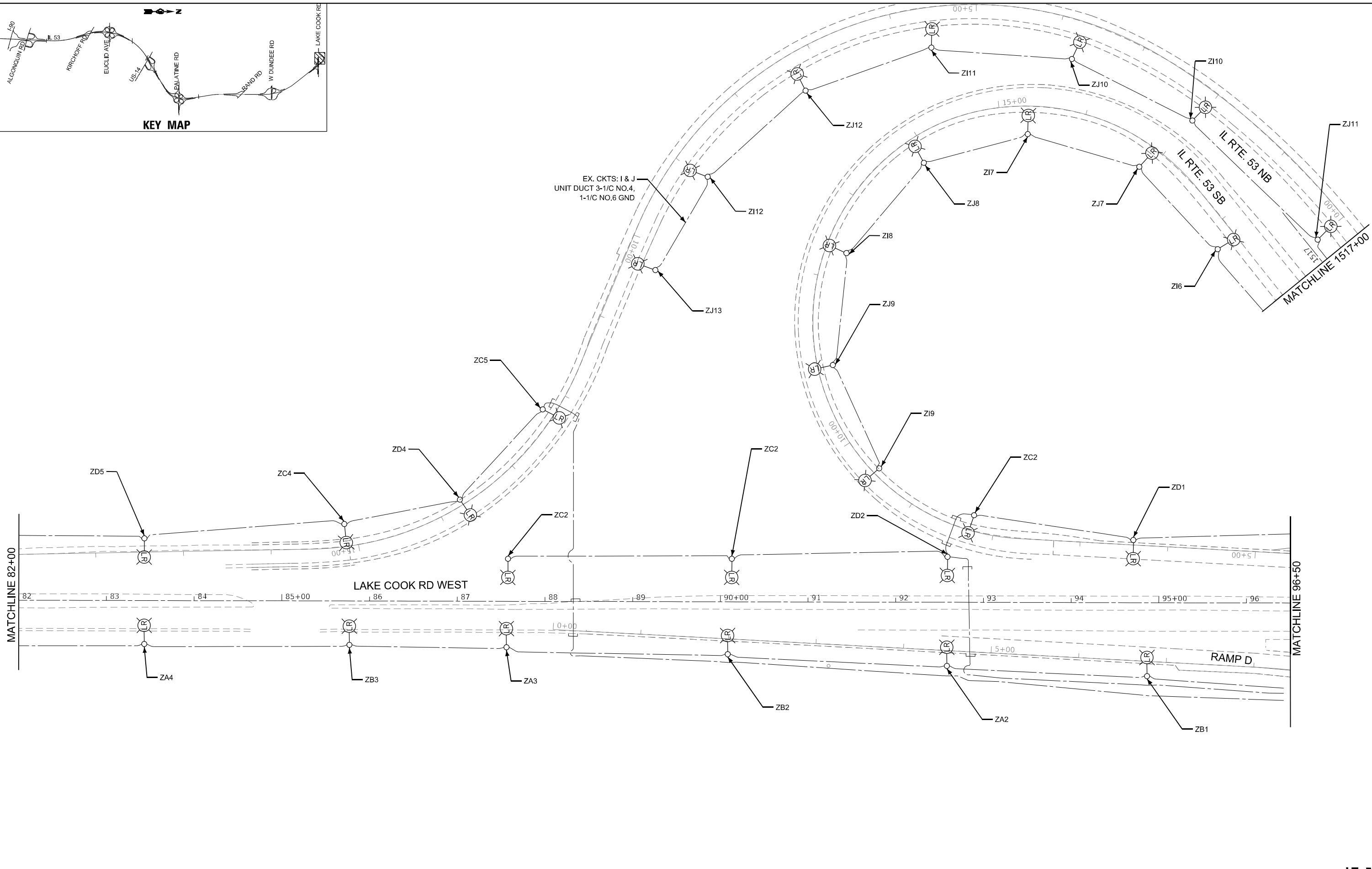
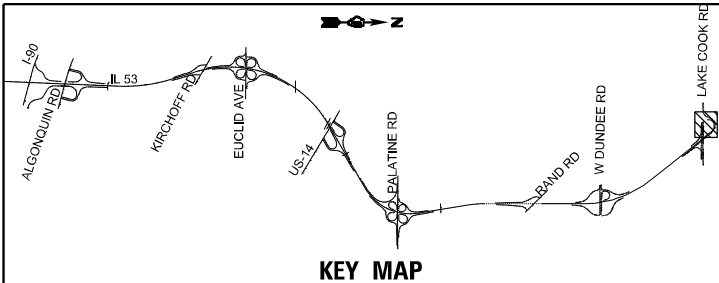
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	626
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

LT-50



MODEL: D:\p\h\p\...  
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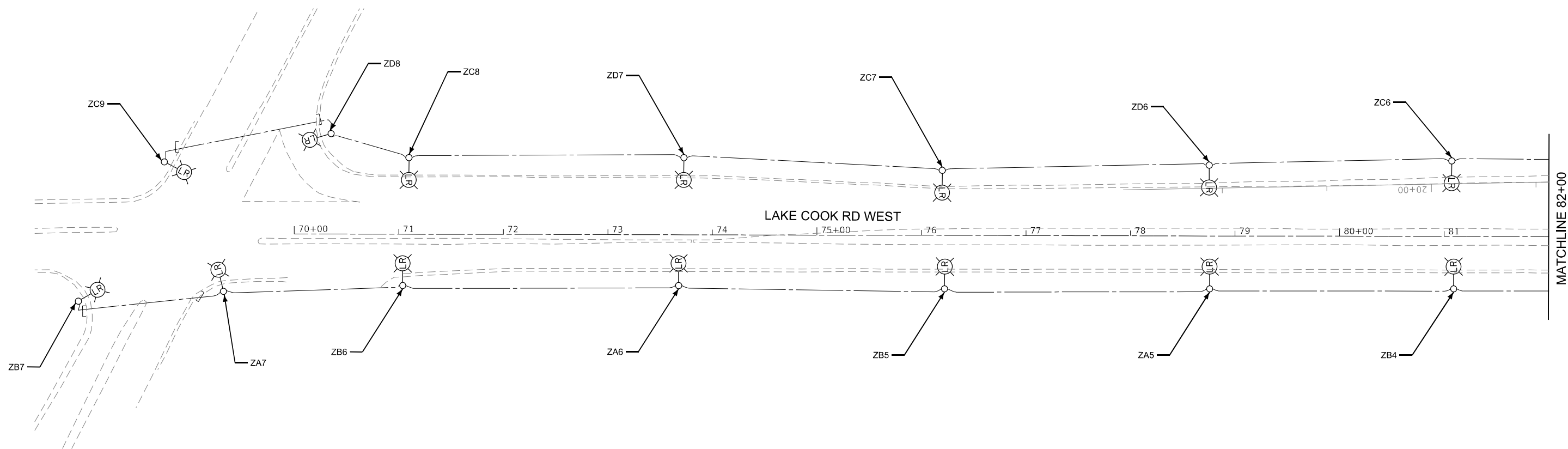
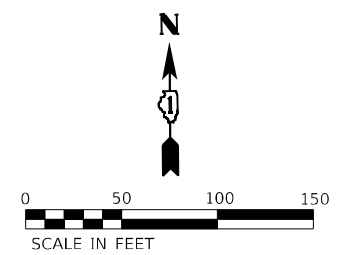
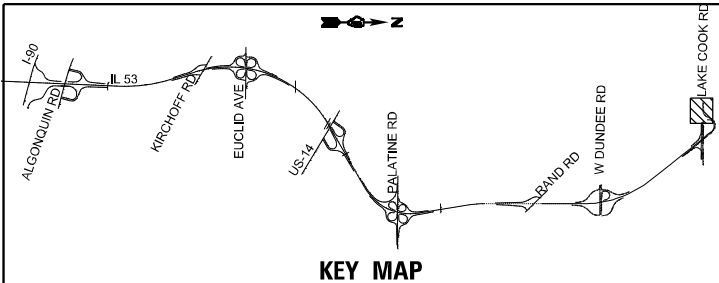
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
PROPOSED LIGHTING PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 627
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



MODEL: D:\p\h\l  
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DRAWN - AP/MAG	CHECKED - RP/MG	REVISED -
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PLOT DATE = 12/11/2024		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

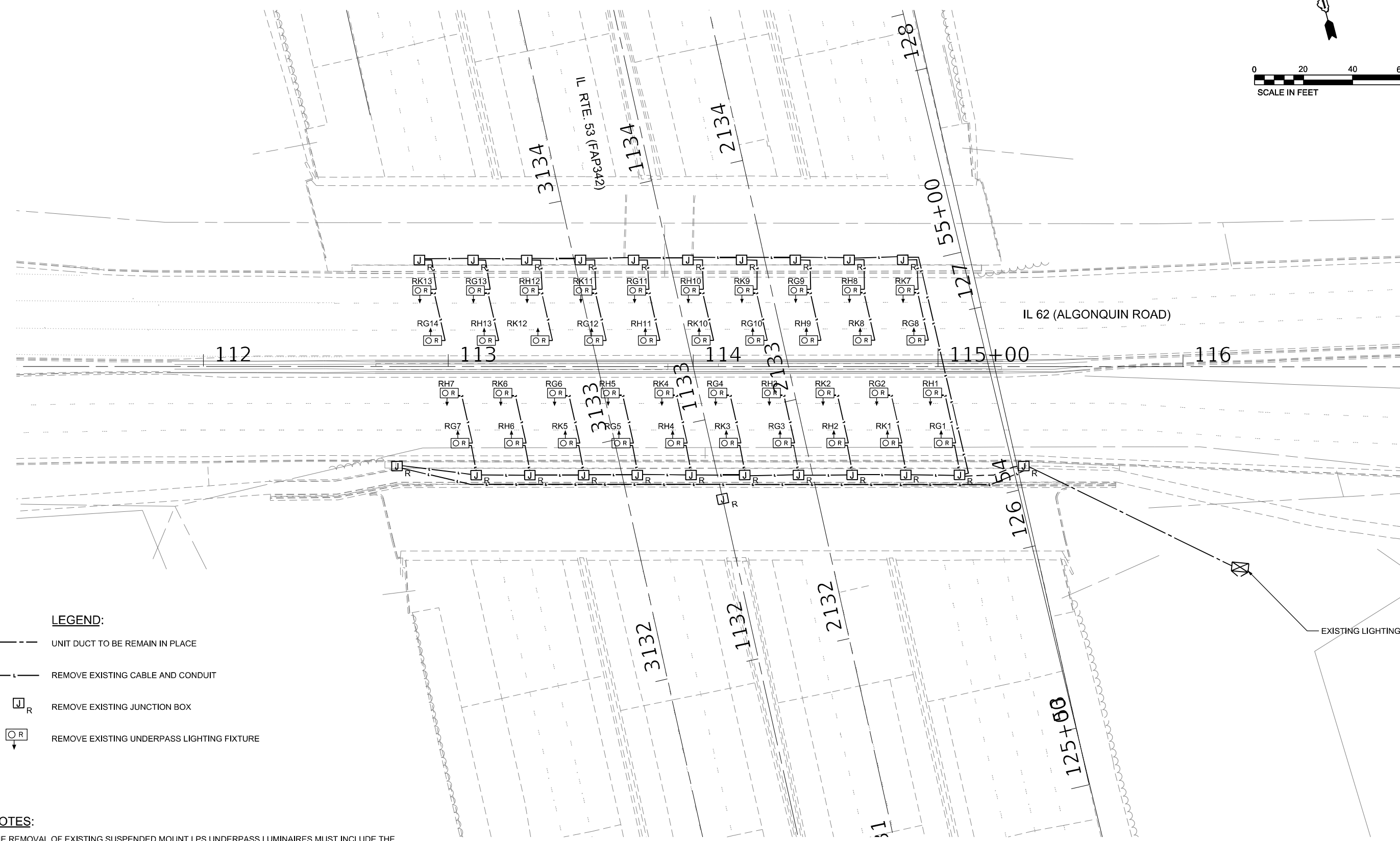
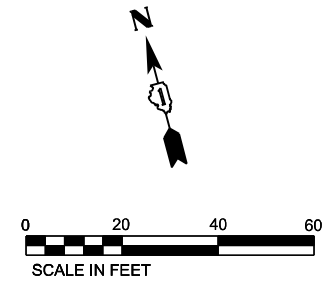
IL ROUTE 53  
PROPOSED LIGHTING PLAN

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 628
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

LT-52





**LEGEND:**

- UNIT DUCT TO BE REMAIN IN PLACE
- REMOVE EXISTING CABLE AND CONDUIT
- REMOVE EXISTING JUNCTION BOX
- REMOVE EXISTING UNDERPASS LIGHTING FIXTURE

**NOTES:**

1. THE REMOVAL OF EXISTING SUSPENDED MOUNT LPS UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE."

MODEL: D:\p\h\... FILE NAME: IEG\1190\sect27.145\04\_CADD\CADD\_Sheets\Contract\_2\1162\N91\_LC3.dwg



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DRAWN - AP/MAG	REVISED -	
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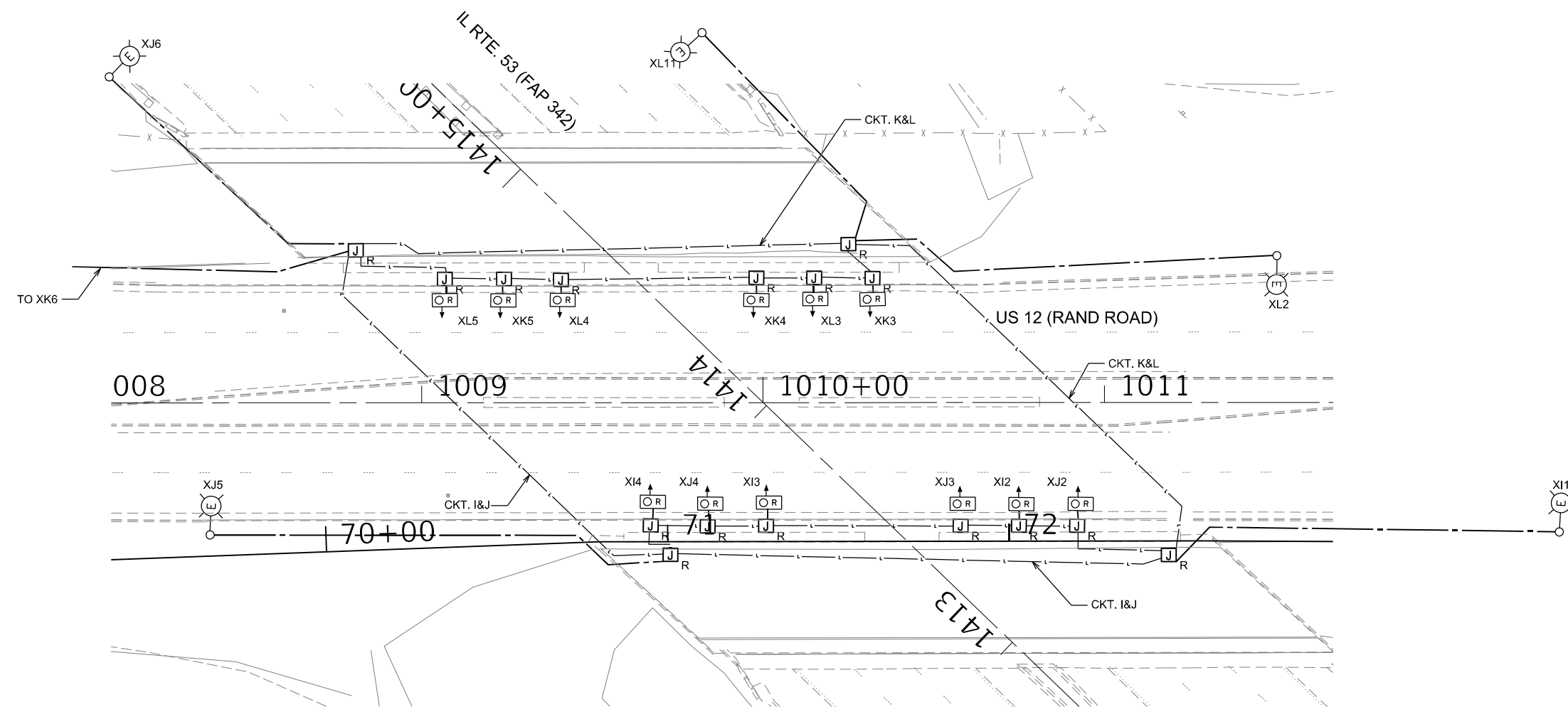
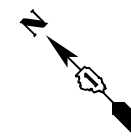
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**UNDERPASS REMOVAL LIGHTING PLAN  
IL 53 OVER ALGONQUIN ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 629
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**LT-53**



**LEGEND:**

- UNIT DUCT TO BE REMAIN IN PLACE
- L — REMOVE EXISTING CABLE AND CONDUIT
- J<sub>R</sub> REMOVE EXISTING JUNCTION BOX
- OR REMOVE EXISTING UNDERPASS LIGHTING FIXTURE

**NOTES:**

1. THE REMOVAL OF EXISTING SUSPENDED MOUNT HPS UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF UNDERPASS LIGHTING UNIT, SALVAGE."

MODEL: D:\p\h\... FILE NAME: IEG\110\project\27143\04\_CADD\CADD\_Sheets\Contract\_2\10162\N91\_LC3\_460c-01h\Bpht-54.dgn



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DRAWN - AP/MAG	CHECKED - RP/IMG	REVISED -
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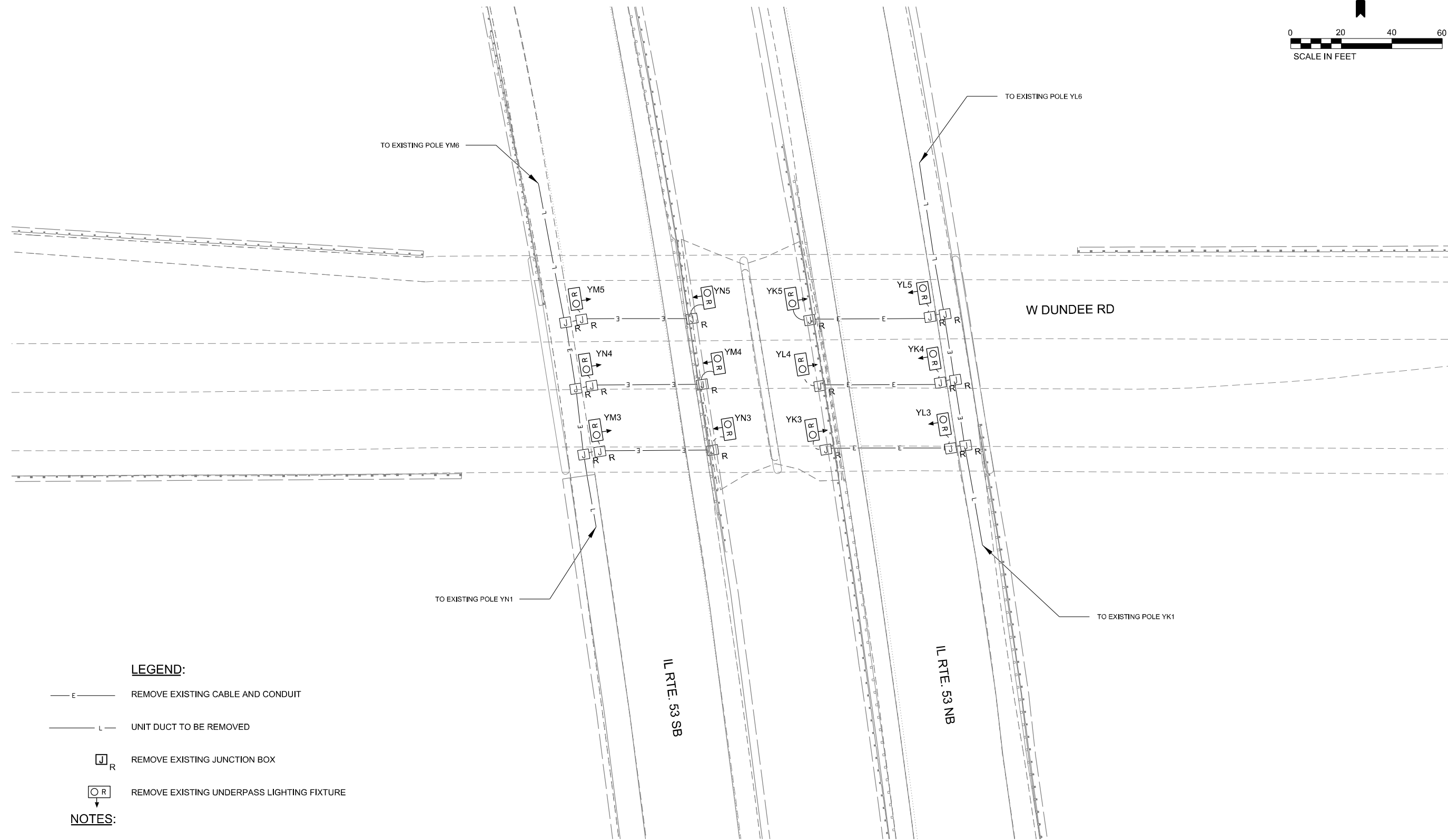
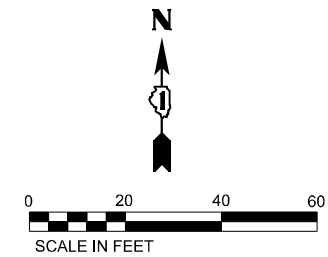
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**UNDERPASS REMOVAL LIGHTING PLAN  
IL 53 OVER RAND ROAD**



SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 630
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

LT-54



**LEGEND:**

- E — REMOVE EXISTING CABLE AND CONDUIT
- L — UNIT DUCT TO BE REMOVED
-  REMOVE EXISTING JUNCTION BOX
-  REMOVE EXISTING UNDERPASS LIGHTING FIXTURE

**NOTES:**

1. THE REMOVAL OF EXISTING SUSPENDED MOUNT LPS UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE."

MODEL: D:\p\h\... FILE NAME: IEG\11\proj\sect\27145\04\_CADD\CADD\_Sheets\Contract\_2\1D162\N91\_LC2\_460c-2111\light-55.dgn



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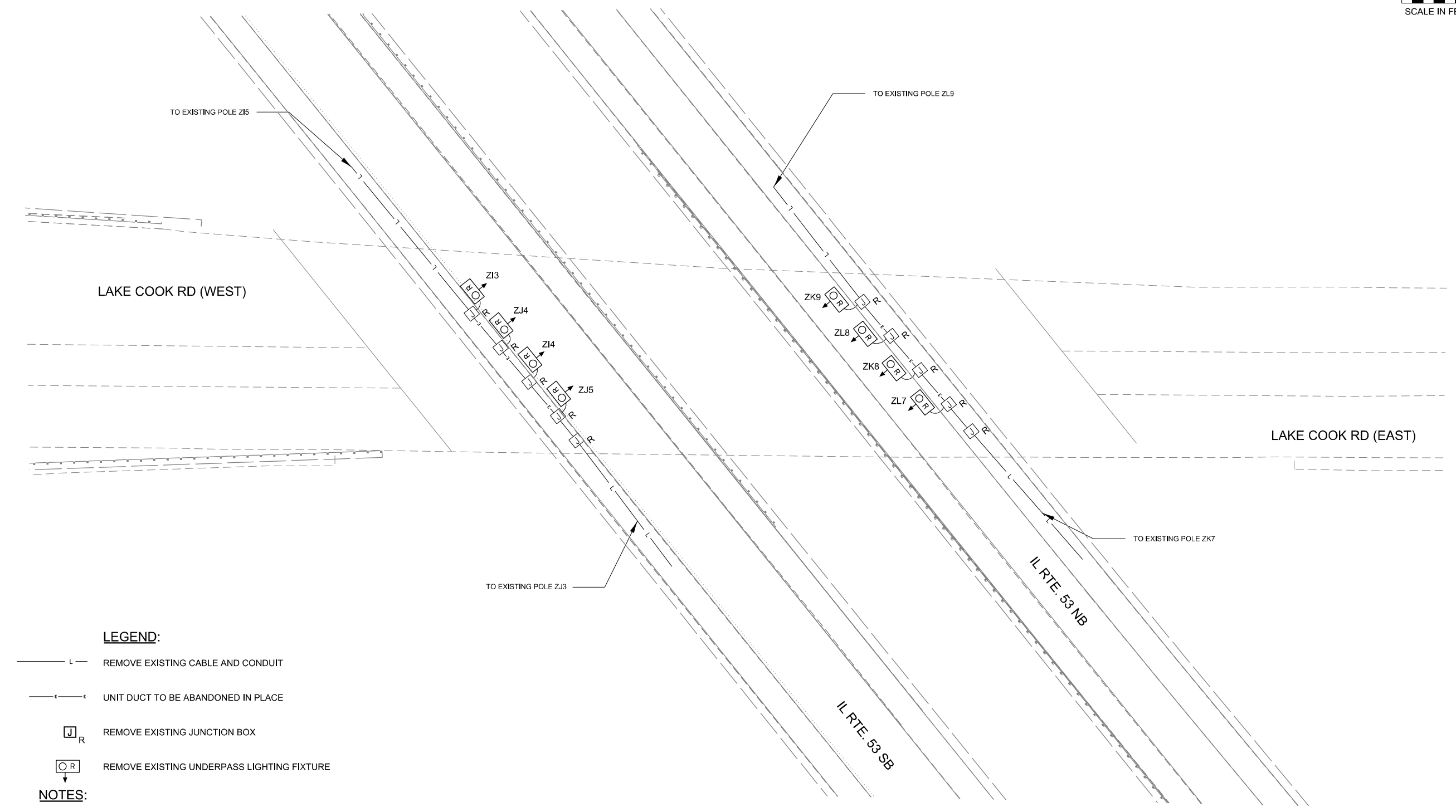
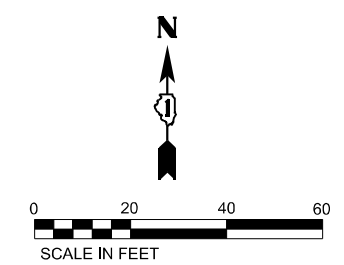
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

UNDERPASS REMOVAL LIGHTING PLAN  
DUNDEE ROAD OVER IL 53

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	631
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

LT-55



**LEGEND:**

- REMOVE EXISTING CABLE AND CONDUIT
- UNIT DUCT TO BE ABANDONED IN PLACE
- REMOVE EXISTING JUNCTION BOX
- REMOVE EXISTING UNDERPASS LIGHTING FIXTURE

**NOTES:**

1. THE REMOVAL OF EXISTING SUSPENDED MOUNT HPS UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF UNDERPASS LIGHTING UNIT, SALVAGE."

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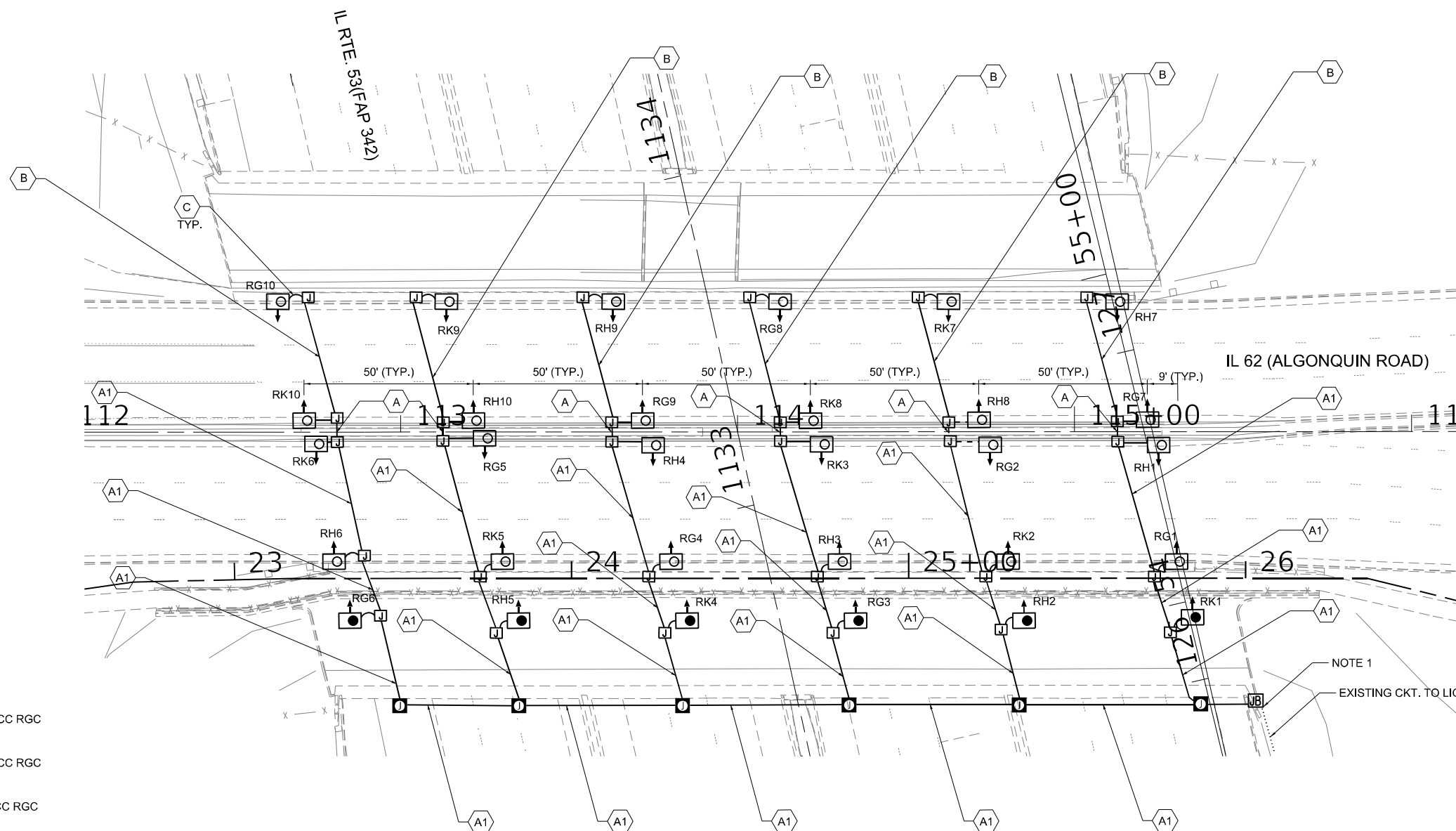
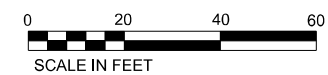
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

UNDERPASS REMOVAL LIGHTING PLAN  
LAKE COOK ROAD OVER IL 53

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 632
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



**LEGEND**

- A 3-1/C NO.10 AND 1/C NO.10 GND IN 1" PVCC RGC
- A1 4-1/C NO.10 AND 1/C NO.10 GND IN 1" PVCC RGC
- B 2-1/C NO.10 AND 1/C NO.10 GND IN 1"PVCC RGC
- C 2-1/C NO.10 AND 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (14.5-FT M.H.)
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D (14.5-FT M.H.)
- J JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"X6"X4"
- JB JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JB PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

**NOTES:**

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX. JUNCTION BOX SHALL BE INSTALLED 13'-6" ABOVE GROUND.

MODEL: D:\p\h\... FILE NAME: ILL11\proj\sect27\_143\04\_CADD\CADD\_Sheets\Contract\_2\1162\N91\_LC3\_460-211\Light57.dgn



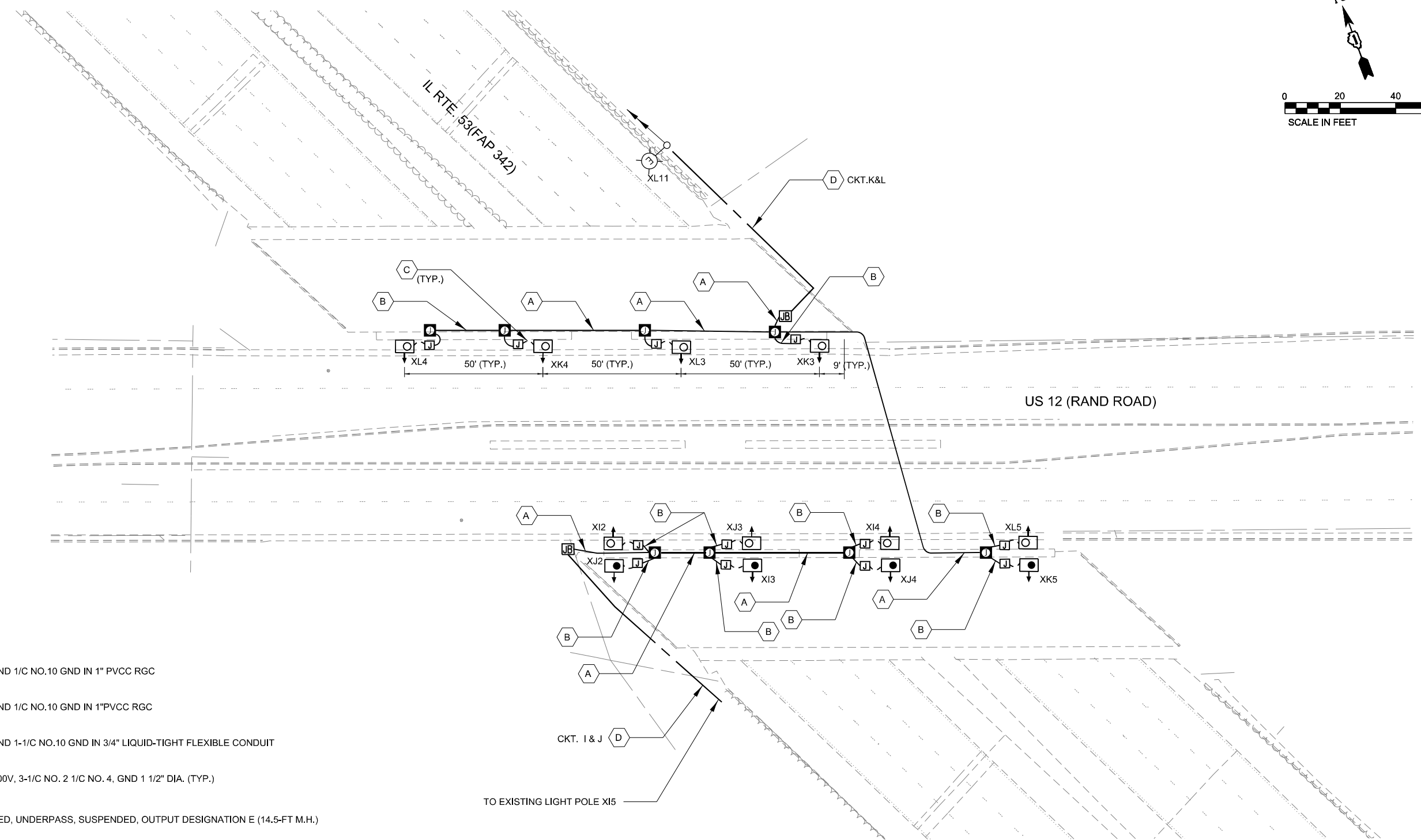
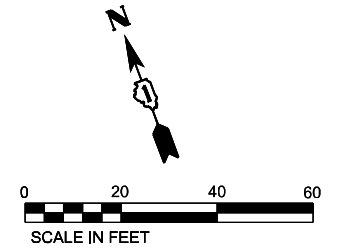
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	DATE - 1/24/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**UNDERPASS PROPOSED LIGHTING PLAN  
IL 53 OVER ALGONQUIN ROAD**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	633
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	



**LEGEND**

- A** 3-1/C NO.10 AND 1/C NO.10 GND IN 1" PVCC RGC
- B** 2-1/C NO.10 AND 1/C NO.10 GND IN 1"PVCC RGC
- C** 2-1/C NO.10 AND 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- D** UNIT DUCT, 600V, 3-1/C NO. 2 1/C NO. 4, GND 1 1/2" DIA. (TYP.)
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (14.5-FT M.H.)
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D (14.5-FT M.H.)
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"X6"X4"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

**NOTES**

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX. JUNCTION BOX SHALL BE INSTALLED MINIMUM 13'-6" ABOVE GROUND.

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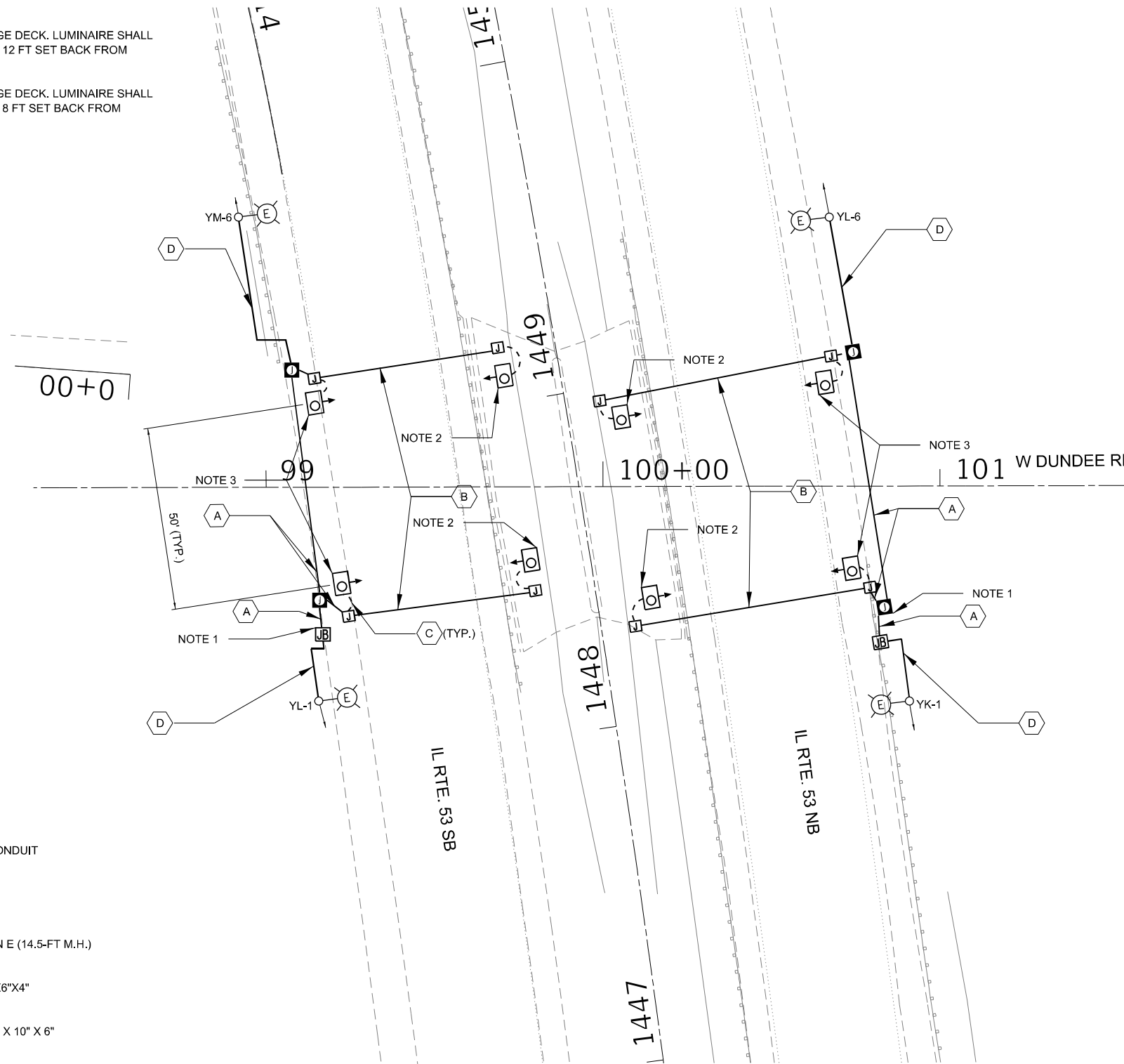
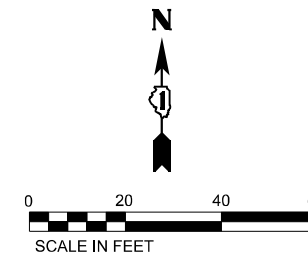
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>UNDERPASS PROPOSED LIGHTING PLAN</b>			
<b>IL 53 OVER RAND ROAD</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 634
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX. JUNCTION BOX SHALL BE INSTALLED 13'-6" ABOVE GROUND
2. PROPOSED UNDERPASS LUMINAIRE SUSPENDED FROM THE BRIDGE DECK. LUMINAIRE SHALL BE CENTERED IN THE BEAM SPACE AND SHALL BE POSITIONED AT 12 FT SET BACK FROM EXISTING EDGE OF SHOULDER.
3. PROPOSED UNDERPASS LUMINAIRE SUSPENDED FROM THE BRIDGE DECK. LUMINAIRE SHALL BE CENTERED IN THE BEAM SPACE AND SHALL BE POSITIONED AT 8 FT SET BACK FROM EXISTING EDGE OF PAVEMENT.



**LEGEND**

- A** 3-1/C NO.10 AND 1/C NO.10 GND IN 1" PVCC RGC
- B** 2-1/C NO.10 AND 1/C NO.10 GND IN 1"PVCC RGC
- C** 2-1/C NO.10 AND 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- D** UNIT DUCT, 600V, 3-1/C NO. 2 1/C NO. 4, GND 1 1/2" DIA. (TYP.)
- O** LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (14.5-FT M.H.)
- JB** JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"X6"X4"
- JB** JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JB** JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

**NOTES**

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.

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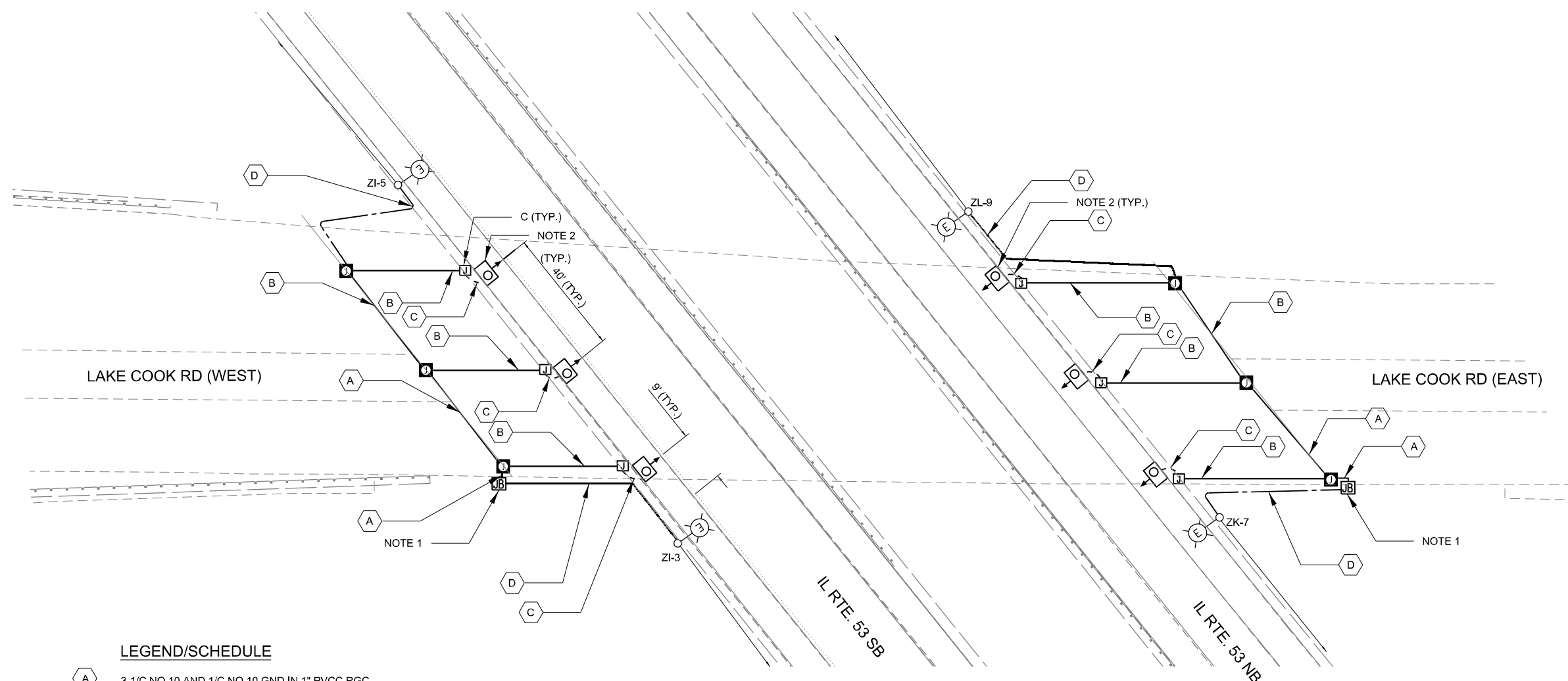
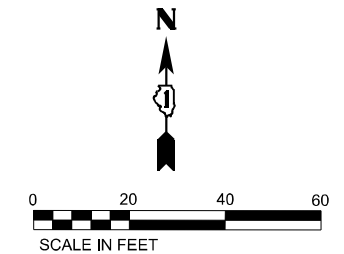
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	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

UNDERPASS PROPOSED LIGHTING PLAN  
DUNDEE ROAD OVER IL 53

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	635
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



**LEGEND/SCHEDULE**

- A 3-1/C NO.10 AND 1/C NO.10 GND IN 1" PVCC RGC
- B 2-1/C NO.10 AND 1/C NO.10 GND IN 1"PVCC RGC
- C 2-1/C NO.10 AND 1-1/C NO.10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- D UNIT DUCT, 600V, 3-1/C NO. 2 1/C NO. 4, GND 1 1/2" DIA. (TYP.)
- E LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (14.5-FT M.H.)
- J JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"X6"X4"
- O JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JB JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

**NOTES:**

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX. JUNCTION BOX SHALL BE INSTALLED MINIMUM 13'-6" ABOVE GROUND.
2. PROPOSED UNDERPASS LUMINAIRE SUSPENDED FROM THE BRIDGE DECK. LUMINAIRE SHALL BE CENTERED IN THE BEAM SPACE AND SHALL BE POSITIONED AT 12 FT SET BACK FROM EXISTING EDGE OF SHOULDER.

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	DATE - 1/24/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

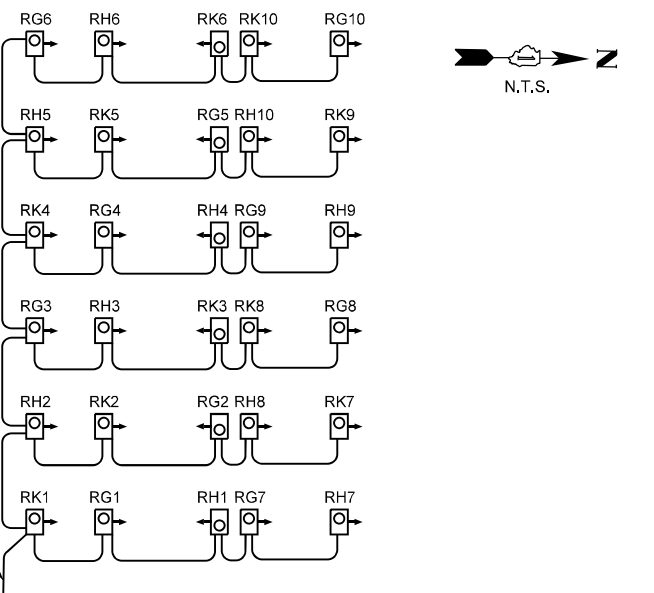
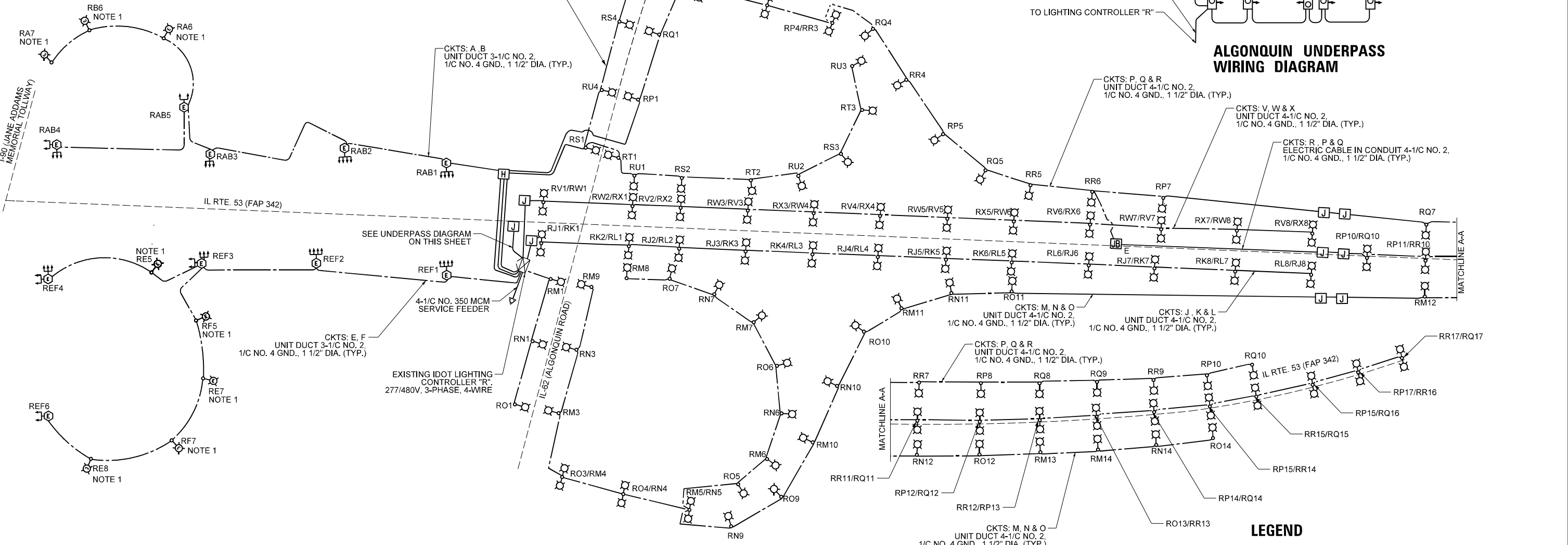
<b>UNDERPASS PROPOSED LIGHTING PLAN LAKE COOK ROAD OVER IL 53</b>			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 636
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

**LT-60**



LOAD TABLE							
LIGHTING CONTROLLER 'R', 240/480V, 1-Ø, 3-WIRE							
RED PHASE	NO. LUM.	AMPS	WATTS	BLACK PHASE	NO. LUM.	AMPS	WATTS
A	2-230W 9-480	19.92	4780.0	B	1-230W 9-480	18.96	4550.0
E	3-230W 9-480	20.88	5010.0	F	2-230W 9-480	19.92	4780.0
G	10-50W	2.08	500.0	H	10-50W	2.08	500.0
J	8-230W	7.67	1840.0	K	8-230W 9-50W	9.54	2290.0
L	8-230W	7.67	1840.0	M	13-200W	10.83	2600.0
N	14-230W	13.42	3220.0	O	13-230W	12.46	2990.0
P	17-230W	16.29	3910.0	Q	17-230W	16.29	3910.0
R	17-230W	16.29	3910.0	S	3-230W	16.29	3910.0
T	3-230W	2.88	690.0	U	5-230W	4.79	1150.0
X	8-230W	7.67	1840.0	V	8-230W	7.67	1840.0
TOTAL	46-230W 31-480W 6-100W	114.8	27540.0	TOTAL	45-230W 31-480W 6-100W	118.8	28520.0
TOTAL CONNECTED LOAD CAPACITY: 56.06 KVA							
LED H=230W; INTERSECTION=480W; UNDERPASS=100W							

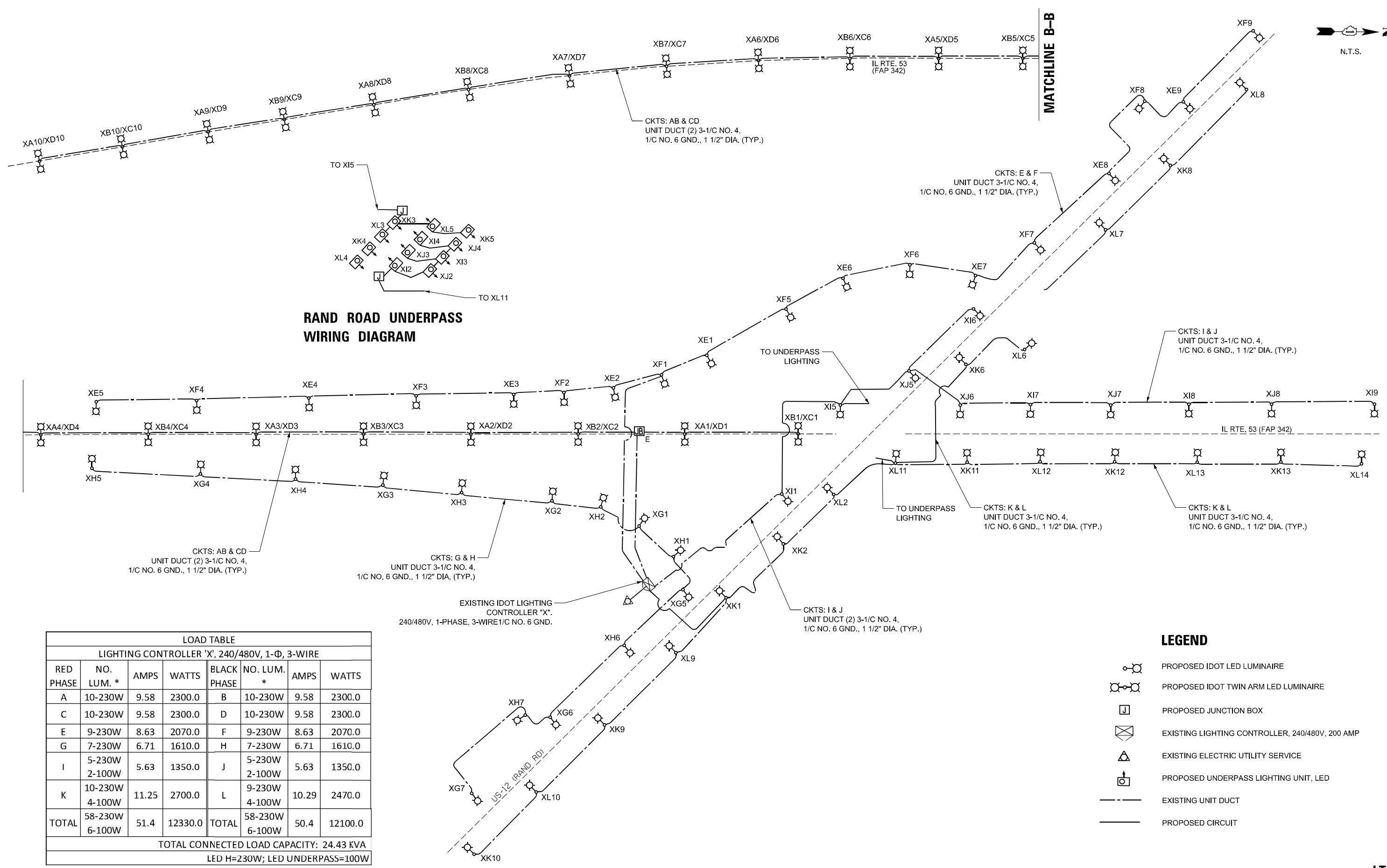
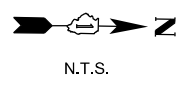


**ALGONQUIN UNDERPASS WIRING DIAGRAM**

**NOTES:**  
1. THE EXISTING ELECTRICAL CABLE ROUTING FOR THE LIGHT POLES ARE NOT SHOWN ON THE SINGLE LINE DIAGRAM AS RECORD DRAWINGS ARE NOT AVAILABLE.

- LEGEND**
- PROPOSED IDOT LED LUMINAIRE
  - PROPOSED JUNCTION BOX
  - EXISTING IDOT LED LUMINAIRE
  - PROPOSED HANDHOLE
  - PROPOSED IDOT TWIN ARM LED LUMINAIRE
  - EXISTING ELECTRIC UTILITY SERVICE
  - EXISTING HIGH MAST LIGHT TOWER
  - PROPOSED UNDERPASS LIGHTING UNIT, LED
  - EXISTING LIGHTING CONTROLLER, 277/480V, 200 AMP
  - EXISTING UNIT DUCT
  - PROPOSED CIRCUIT

USER NAME = vnuñez	DESIGNED - VG	REVISED -
DRAWN - AP/MAG	REVISED -	
PLOT SCALE = 2,0000' / in.	CHECKED - RP/IMG	REVISED -
PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -



**RAND ROAD UNDERPASS  
WIRING DIAGRAM**

CKTS: AB & CD  
UNIT DUCT (2) 3-1/C NO. 4,  
1/C NO. 6 GND., 1 1/2" DIA. (TYP.)

CKTS: G & H  
UNIT DUCT 3-1/C NO. 4,  
1/C NO. 6 GND., 1 1/2" DIA. (TYP.)

EXISTING IDOT LIGHTING  
CONTROLLER "X".  
240/480V, 1-PHASE, 3-WIRE 1/C NO. 6 GND.

CKTS: AB & CD  
UNIT DUCT (2) 3-1/C NO. 4,  
1/C NO. 6 GND., 1 1/2" DIA. (TYP.)

CKTS: E & F  
UNIT DUCT 3-1/C NO. 4,  
1/C NO. 6 GND., 1 1/2" DIA. (TYP.)

CKTS: I & J  
UNIT DUCT 3-1/C NO. 4,  
1/C NO. 6 GND., 1 1/2" DIA. (TYP.)

CKTS: K & L  
UNIT DUCT 3-1/C NO. 4,  
1/C NO. 6 GND., 1 1/2" DIA. (TYP.)

CKTS: I & J  
UNIT DUCT (2) 3-1/C NO. 4,  
1/C NO. 6 GND., 1 1/2" DIA. (TYP.)

LOAD TABLE							
LIGHTING CONTROLLER 'X', 240/480V, 1-Φ, 3-WIRE							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	10-230W	9.58	2300.0	B	10-230W	9.58	2300.0
C	10-230W	9.58	2300.0	D	10-230W	9.58	2300.0
E	9-230W	8.63	2070.0	F	9-230W	8.63	2070.0
G	7-230W	6.71	1610.0	H	7-230W	6.71	1610.0
I	5-230W 2-100W	5.63	1350.0	J	5-230W 2-100W	5.63	1350.0
K	10-230W 4-100W	11.25	2700.0	L	9-230W 4-100W	10.29	2470.0
TOTAL	58-230W 6-100W	51.4	12330.0	TOTAL	58-230W 6-100W	50.4	12100.0
TOTAL CONNECTED LOAD CAPACITY: 24.43 KVA							
LED H=230W; LED UNDERPASS=100W							

**LEGEND**

- PROPOSED IDOT LED LUMINAIRE
- PROPOSED IDOT TWIN ARM LED LUMINAIRE
- PROPOSED JUNCTION BOX
- EXISTING LIGHTING CONTROLLER, 240/480V, 200 AMP
- EXISTING ELECTRIC UTILITY SERVICE
- PROPOSED UNDERPASS LIGHTING UNIT, LED
- EXISTING UNIT DUCT
- PROPOSED CIRCUIT

MODEL: P:\mfr\h...  
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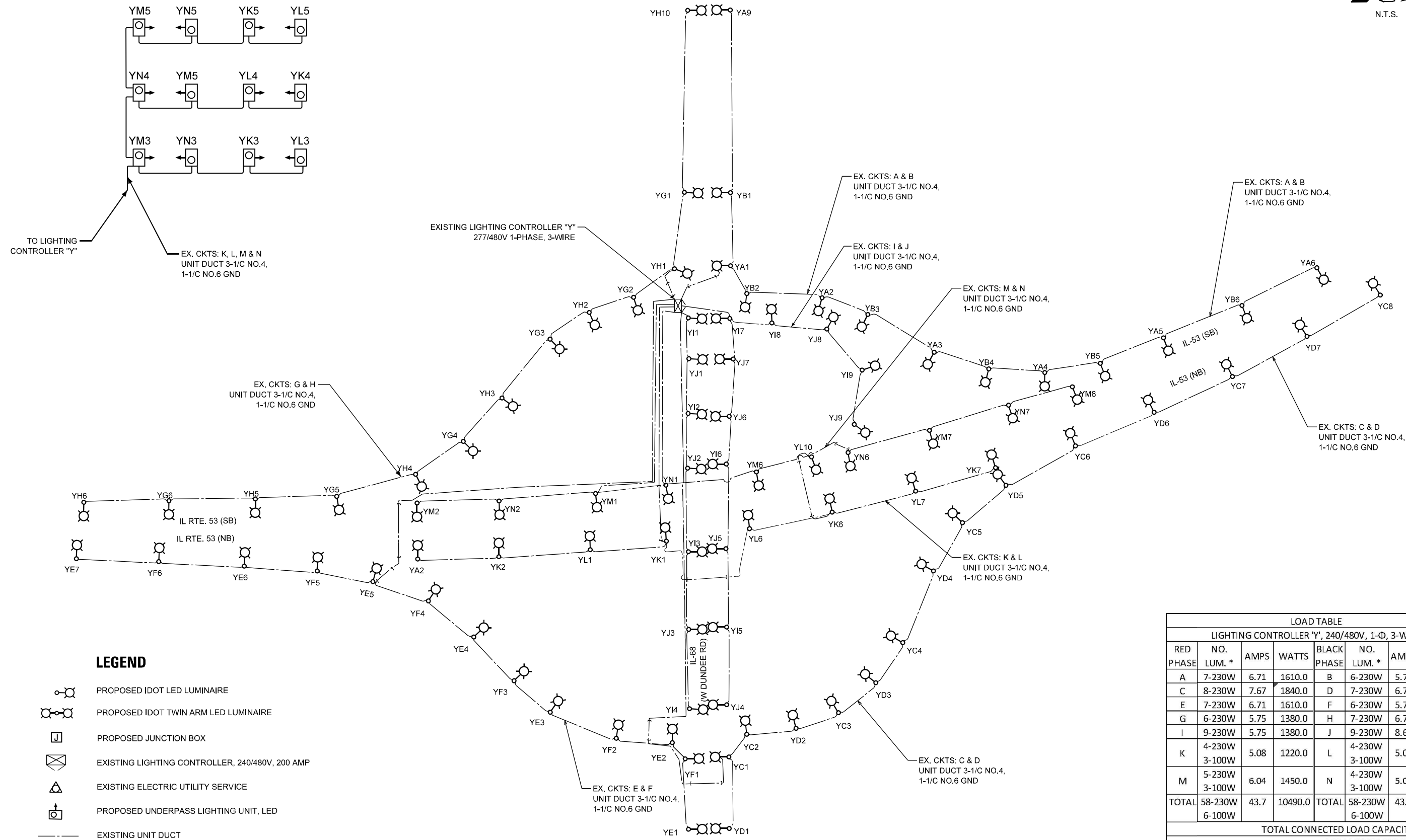
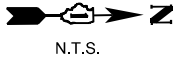
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WIRING DIAGRAM - IDOT CONTROLLER "X"**

SCALE: N.T.S SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 638
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

# DUNDEE UNDERPASS WIRING DIAGRAM



## LEGEND

- PROPOSED IDOT LED LUMINAIRE
- PROPOSED IDOT TWIN ARM LED LUMINAIRE
- PROPOSED JUNCTION BOX
- EXISTING LIGHTING CONTROLLER, 240/480V, 200 AMP
- EXISTING ELECTRIC UTILITY SERVICE
- PROPOSED UNDERPASS LIGHTING UNIT, LED
- EXISTING UNIT DUCT
- PROPOSED CIRCUIT

LOAD TABLE							
LIGHTING CONTROLLER 'Y', 240/480V, 1-Ø, 3-WIRE							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	7-230W	6.71	1610.0	B	6-230W	5.75	1380.0
C	8-230W	7.67	1840.0	D	7-230W	6.71	1610.0
E	7-230W	6.71	1610.0	F	6-230W	5.75	1380.0
G	6-230W	5.75	1380.0	H	7-230W	6.71	1610.0
I	9-230W	5.75	1380.0	J	9-230W	8.63	2070.0
K	4-230W 3-100W	5.08	1220.0	L	4-230W 3-100W	5.08	1220.0
M	5-230W 3-100W	6.04	1450.0	N	4-230W 3-100W	5.08	1220.0
TOTAL	58-230W 6-100W	43.7	10490.0	TOTAL	58-230W 6-100W	43.7	10490.0
TOTAL CONNECTED LOAD CAPACITY: 20.98 KVA							
LED H=230W; UNDERPASS=100W							

MODEL: D:\p\h\l...  
 FILE NAME: I:\G\1\proj\sect\27145\04\_CADD\CADD\_Sheets\Contract\_2\1162\N91\_LC3-460c-218\Bldg63.dwg



USER NAME = vnuirez	DESIGNED - VN	REVISED -
DRAWN - MAG/AP	REVISED -	
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PLOT DATE = 12/11/2024	DATE - 08/11/23	REVISED -

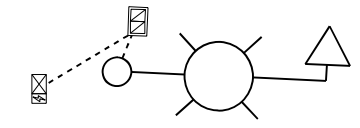
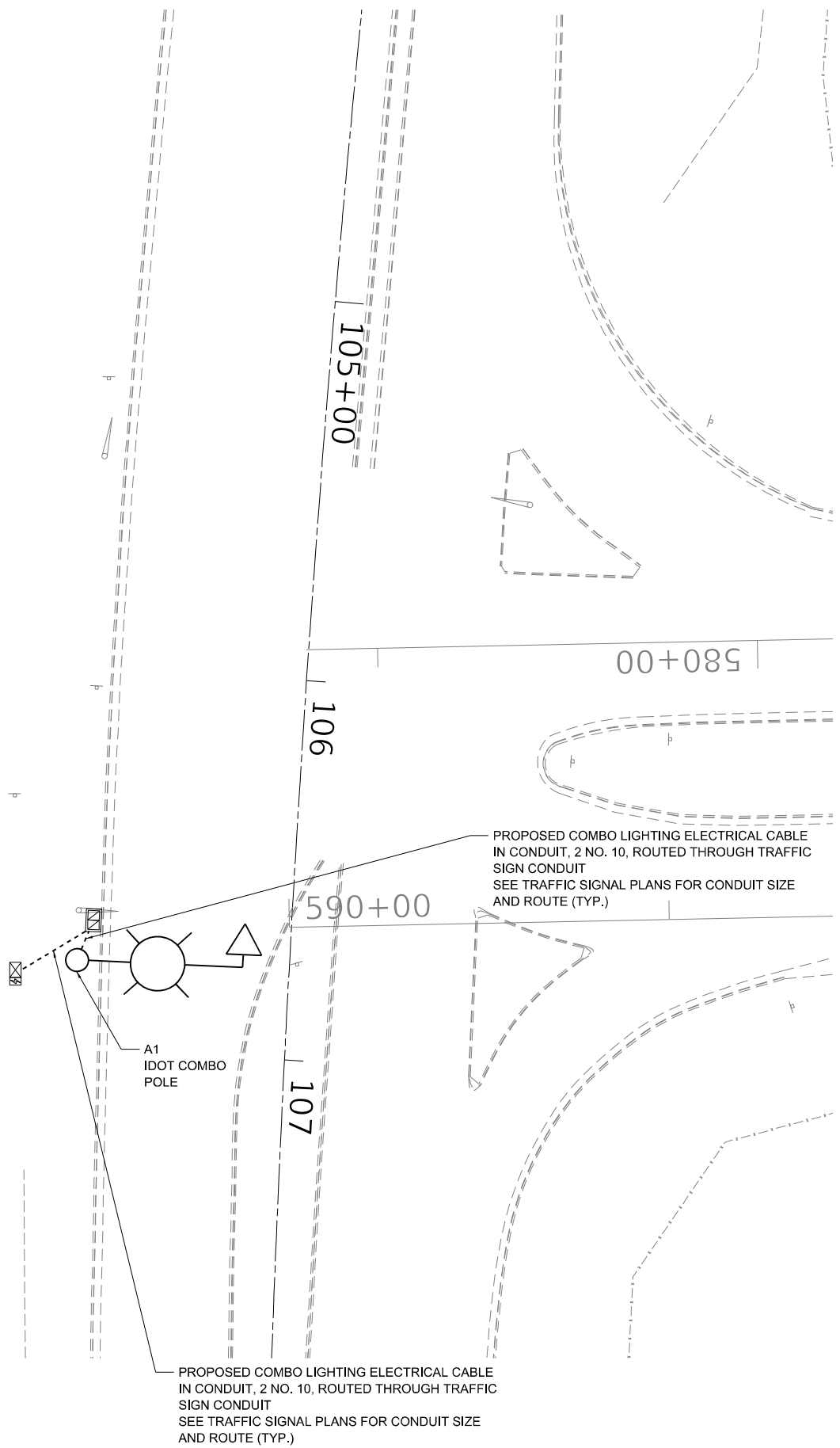
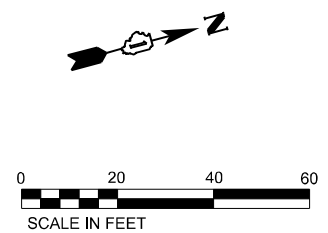
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM - IDOT CONTROLLER "Y"

SCALE: N.T.S    SHEET    OF    SHEETS    STA.    TO STA.

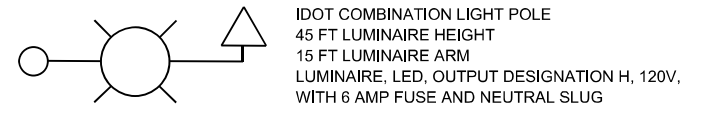
F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 639
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				





ONE LINE DIAGRAM

**LEGEND**



DESCRIPTION	UNIT	QUANTITY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	1
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V, (XLP TYPE USE) 1/C NO. 10	FOOT	110

**NOTES:**

1. THE IDOT LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. LUMINAIRES ARE POWERED FROM IDOT TRAFFIC CONTROLLER, SEE DETAIL BE-240
3. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES, CIRCUITING DECALS SHOWN ARE FOR GUIDANCE ONLY.

MODEL: P:\64611\1100\6227143\04\_CADD\CADD\_Sheets\Contract\_2\10162\N91\_LC3.dwg - 12/11/2024 10:44:00 AM



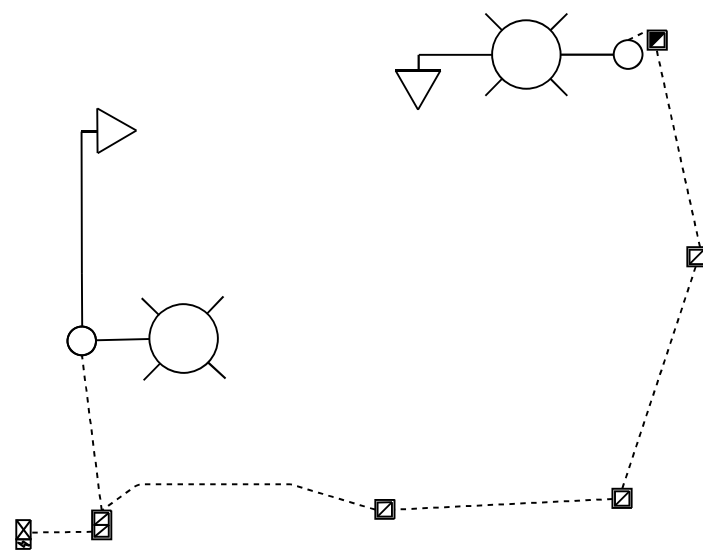
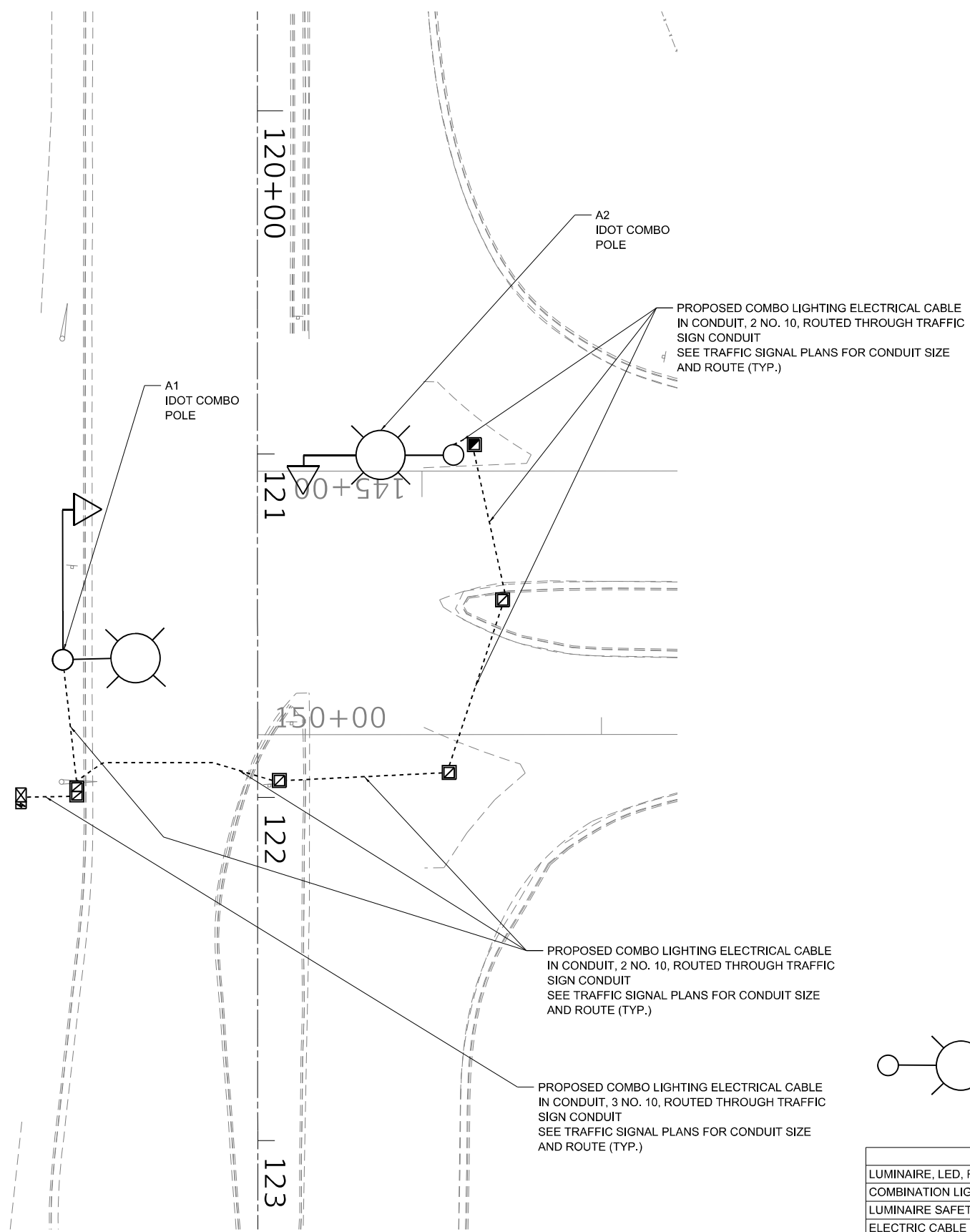
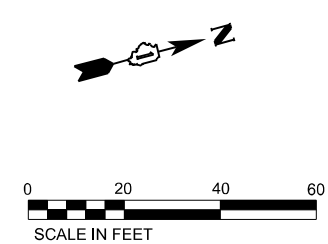
USER NAME = vturner	DESIGNED - VG	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - AP/MAG	REVISED -
PLOT DATE = 12/11/2024	CHECKED - RP/MG	REVISED -
	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED COMBINATION LIGHTING PLAN**  
**ALGONQUIN ROAD AND IL-53 NORTH INTERSECTION**

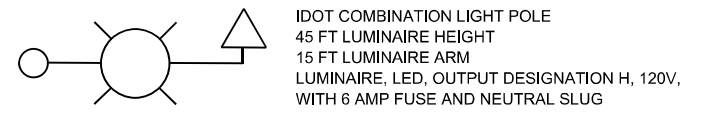
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	641
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



ONE LINE DIAGRAM

LEGEND



DESCRIPTION	UNIT	QUANTITY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V, (XLP TYPE USE) 1/C NO. 10	FOOT	650

NOTES:

1. THE IDOT LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. LUMINAIRES ARE POWERED FROM IDOT TRAFFIC CONTROLLER, SEE DETAIL BE-240
3. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES, CIRCUITING DECALS SHOWN ARE FOR GUIDANCE ONLY.

MODEL: D:\p6\h... FILE NAME: IEG\11901\sect27\_145\04\_CADD\CADD\_Sheets\Contract\_2\162N91\_LC3\_460c-shr-18phtc-648.dgn

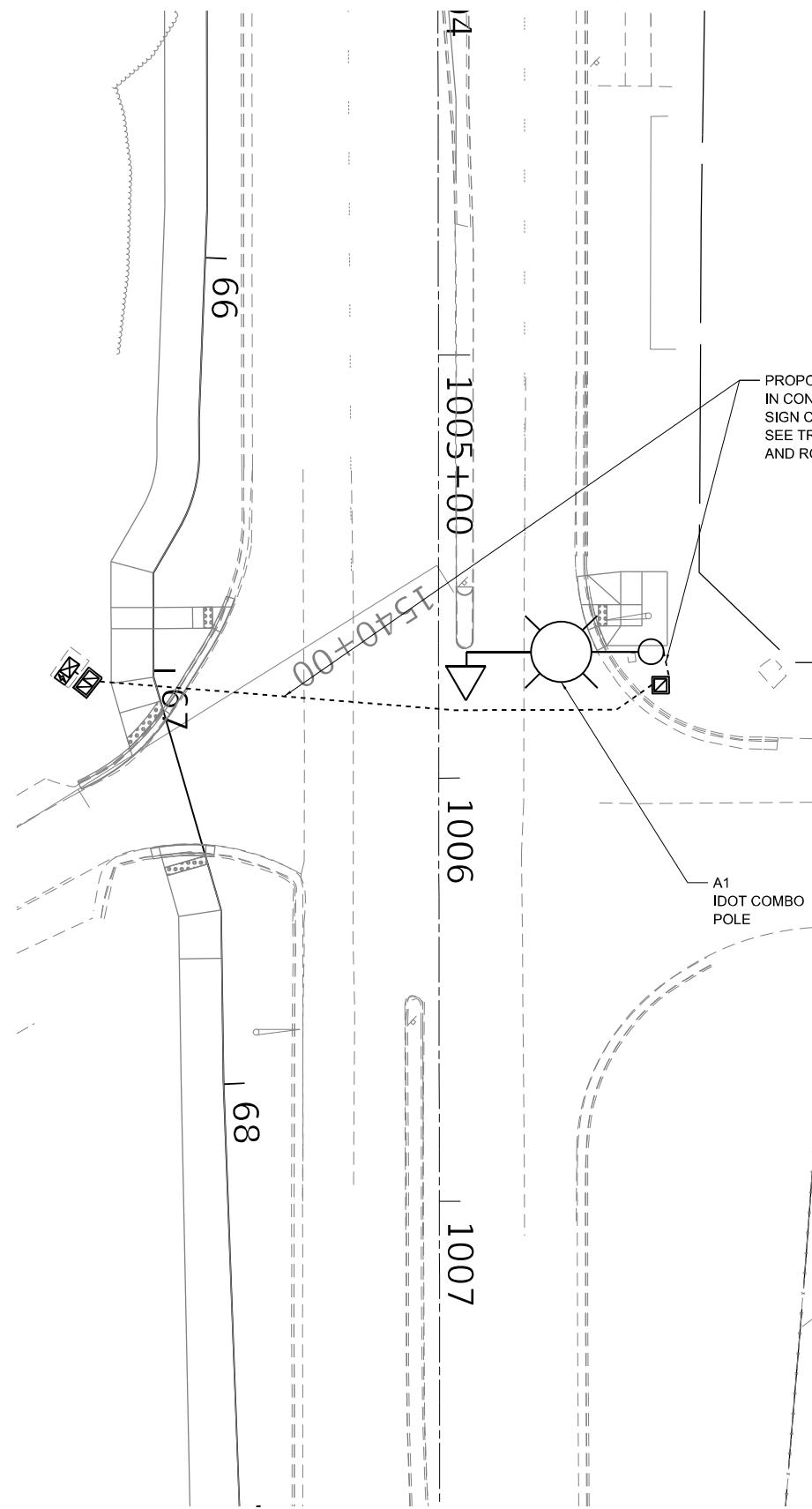
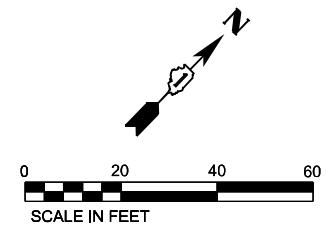


USER NAME = vnuuriz	DESIGNED - VG	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - AP/MAG	REVISED -
PLOT DATE = 12/11/2024	CHECKED - RP/MG	REVISED -
	DATE - 12/20/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED COMBINATION LIGHTING PLAN ALGONQUIN ROAD AND IL-53 SOUTH INTERSECTION			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 642
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	



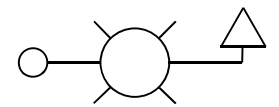
PROPOSED COMBO LIGHTING ELECTRICAL CABLE  
IN CONDUIT, 2 NO. 10, ROUTED THROUGH TRAFFIC  
SIGN CONDUIT  
SEE TRAFFIC SIGNAL PLANS FOR CONDUIT SIZE  
AND ROUTE (TYP.)

A1  
IDOT COMBO  
POLE



ONE LINE DIAGRAM

LEGEND



IDOT COMBINATION LIGHT POLE  
45 FT LUMINAIRE HEIGHT  
15 FT LUMINAIRE ARM  
LUMINAIRE, LED, OUTPUT DESIGNATION H, 120V,  
WITH 6 AMP FUSE AND NEUTRAL SLUG

DESCRIPTION	UNIT	QUANTITY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	1
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V, (XLP TYPE USE) 1/C NO. 10	FOOT	304

NOTES:

1. THE IDOT LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. LUMINAIRES ARE POWERED FROM IDOT TRAFFIC CONTROLLER, SEE DETAIL BE-240
3. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES, CIRCUITING DECALS SHOWN ARE FOR GUIDANCE ONLY.

MODEL: D:\p\h\... FILE NAME: IEG\1\proj\sect\27\45\04\_CADD\CADD\_Sheets\Contract\_2\0162\N91\_LC3\460c-rlt\lighting.dwg



USER NAME = vnuirez	DESIGNED - VG	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - AP/MAG	REVISED -
PLOT DATE = 12/11/2024	CHECKED - RP/MG	REVISED -
	DATE - 12/20/2024	REVISED -

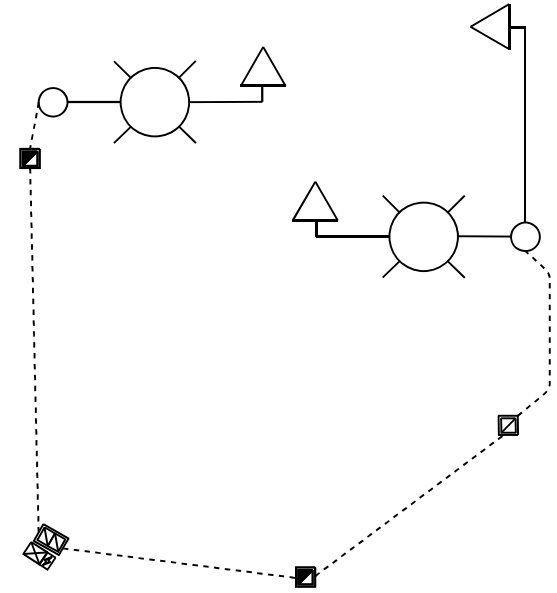
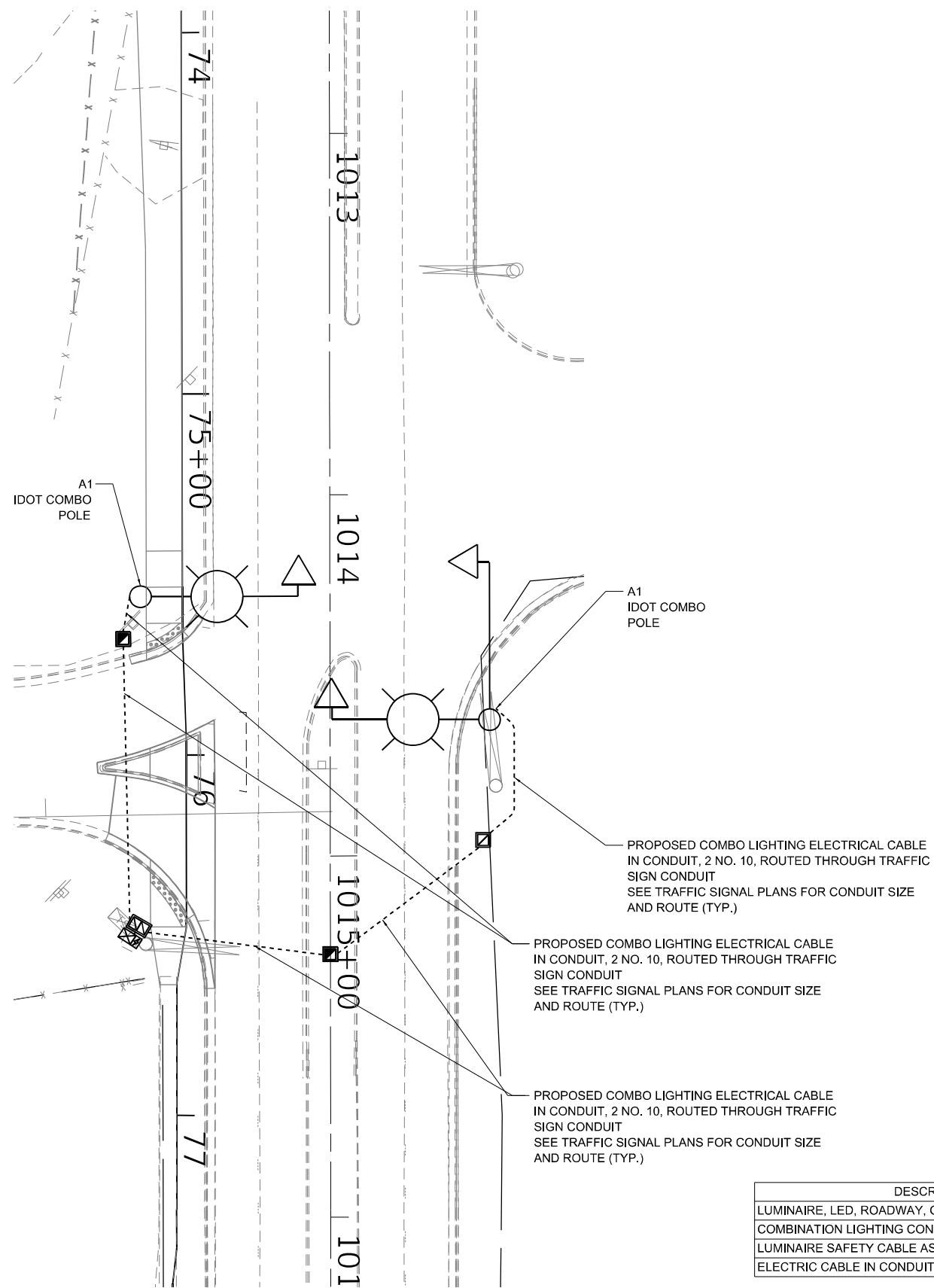
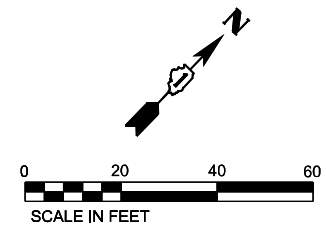
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED COMBINATION LIGHTING PLAN  
RAND ROAD AND IL-53 NORTH INTERSECTION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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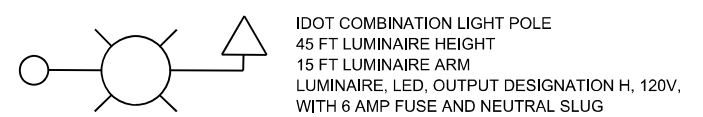
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	643
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

LT-67



ONE LINE DIAGRAM

LEGEND



NOTES:

1. THE IDOT LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. LUMINAIRES ARE POWERED FROM IDOT TRAFFIC CONTROLLER, SEE DETAIL BE-240
3. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES, CIRCUITING DECALS SHOWN ARE FOR GUIDANCE ONLY.

DESCRIPTION	UNIT	QUANTITY
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V, (XLP TYPE USE) 1/C NO. 10	FOOT	522

MODEL: D:\p\h\... FILE NAME: IEG\1190\project\27145\04\_CADD\CADD\_Sheets\Contract\_2\10162N91\_LC3.dwg  
 USER: vnuirez  
 PLOT SCALE = 40,0000 \* / in.  
 PLOT DATE = 1/23/2025



USER NAME = vnuirez	DESIGNED - VG	REVISED -
	DRAWN - AP/MAG	REVISED -
	CHECKED - RP/MG	REVISED -
	DATE - 1/24/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED COMBINATION LIGHTING PLAN  
RAND ROAD AND IL-53 SOUTH INTERSECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	644
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

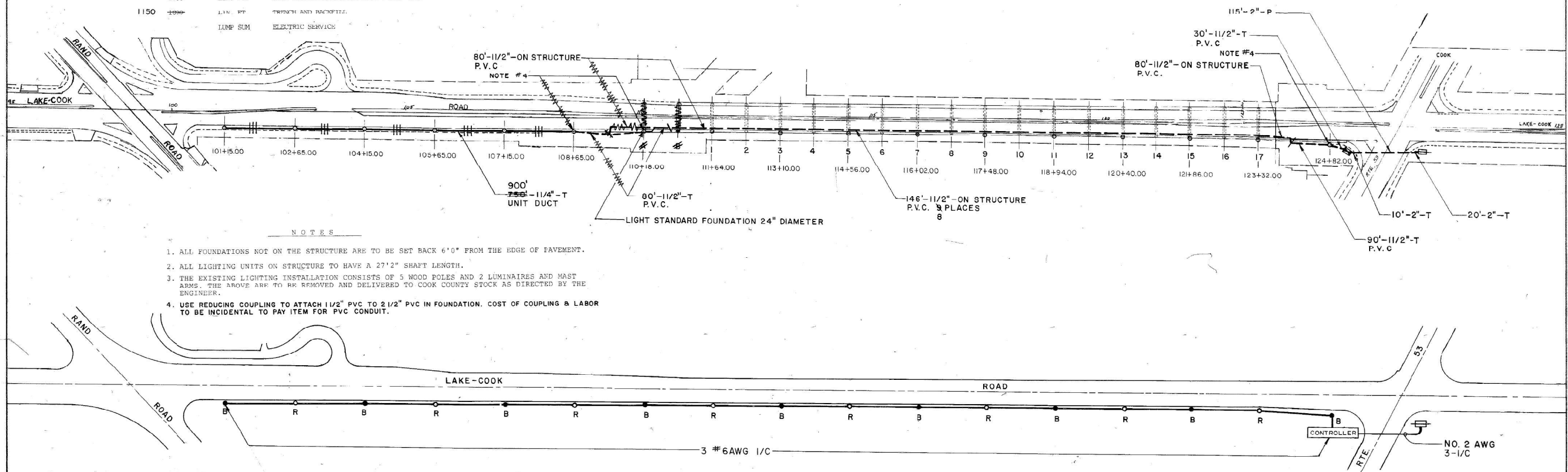


County Highway	Fiscal Year	Sheet No.	Total Sheets
A50	85	3	14

Section 85-A5011-02-LT

BILL OF MATERIAL

QUANTITY	UNIT	DESCRIPTION
1	EACH	LIGHTING CONTROL CENTER COMPLETE IN PLACE
8	EACH	LIGHTING UNIT COMPLETE IN PLACE 200 WATT HIGH PRESSURE SODIUM, 35" MOUNTING HEIGHT, 8' MAST ARM, 27'2" SHAFT LENGTH
9	EACH	LIGHTING UNIT COMPLETE IN PLACE 200 WATT HIGH PRESSURE SODIUM, 35" MOUNTING HEIGHT, 8' MAST ARM 27'2" SHAFT LENGTH
1	EACH	REMOVE EXISTING LIGHTING INSTALLATION COMPLETE
8	EACH	LIGHT STANDARD FOUNDATION 24" DIAMETER
200	LN. FT.	PVC CONDUIT IN TRENCH - 1 1/2"
1180	LN. FT.	PVC CONDUIT ON STRUCTURE - 1 1/2"
40	LN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH - 2"
120	LN. FT.	GALVANIZED STEEL CONDUIT PUSHED - 2"
900	LN. FT.	ELECTRIC CABLE, UNIT DUCT, 3-1/C NO. 6 AWG. IN 1 1/4" DUCT
4600	LN. FT.	ELECTRIC CABLE IN CONDUIT NO. 6 AWG. -1/C
500	LN. FT.	ELECTRIC CABLE IN CONDUIT NO. 2 AWG -1/C
2500	LN. FT.	BARE COPPER GROUND WIRE NO. 8 AWG -1/C
1150	LN. FT.	TRENCH AND BACKFILL
	LUMP SUM	ELECTRIC SERVICE



- NOTES
1. ALL FOUNDATIONS NOT ON THE STRUCTURE ARE TO BE SET BACK 6'0" FROM THE EDGE OF PAVEMENT.
  2. ALL LIGHTING UNITS ON STRUCTURE TO HAVE A 27'2" SHAFT LENGTH.
  3. THE EXISTING LIGHTING INSTALLATION CONSISTS OF 5 WOOD POLES AND 2 LUMINAIRES AND MAST ARMS. THE ABOVE ARE TO BE REMOVED AND DELIVERED TO COOK COUNTY STOCK AS DIRECTED BY THE ENGINEER.
  4. USE REDUCING COUPLING TO ATTACH 1 1/2" PVC TO 2 1/2" PVC IN FOUNDATION. COST OF COUPLING & LABOR TO BE INCIDENTAL TO PAY ITEM FOR PVC CONDUIT.

**LEGEND**

- GALVANIZED STEEL CONDUIT (UNLESS OTHERWISE NOTED).
- ||| 1 1/4" UNIT DUCT W/3 #6 1/C AND #8 1/C BARE COPPER GROUND.
- SERVICE LOCATION
- ⊠ CONTROL CABINET
- LIGHTING STANDARD
- CIRCUIT INDICATOR

**B.C. TO CONTRACT 3-24-86.**

85-A5011-02-LT

REV. 1, 1-21-86

**FOR INFORMATION ONLY**

COUNTY OF COOK  
DEPARTMENT OF HIGHWAYS

LAKE-COOK ROAD  
SLOUGH BRIDGE LIGHTING  
STA. 101+15 TO STA. 124+82

COMPUTED R.J.J.  
DRAWN W.A.C.  
CHECKED [Signature]

APPROVED [Signature]  
CHIEF ENGINEER OF DISTRICT

MODEL: D:\p1\1100\contract\27145\04\_CADD\CADD\_Sheets\Contract\_27145\04\_LC3-4600-RHT\Bht-644D-1.dgn



USER NAME = vnuñez	DESIGNED - VG	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - AP/MAG	REVISED -
PLOT DATE = 1/23/2025	CHECKED - RP/MG	REVISED -
	DATE - 1/24/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

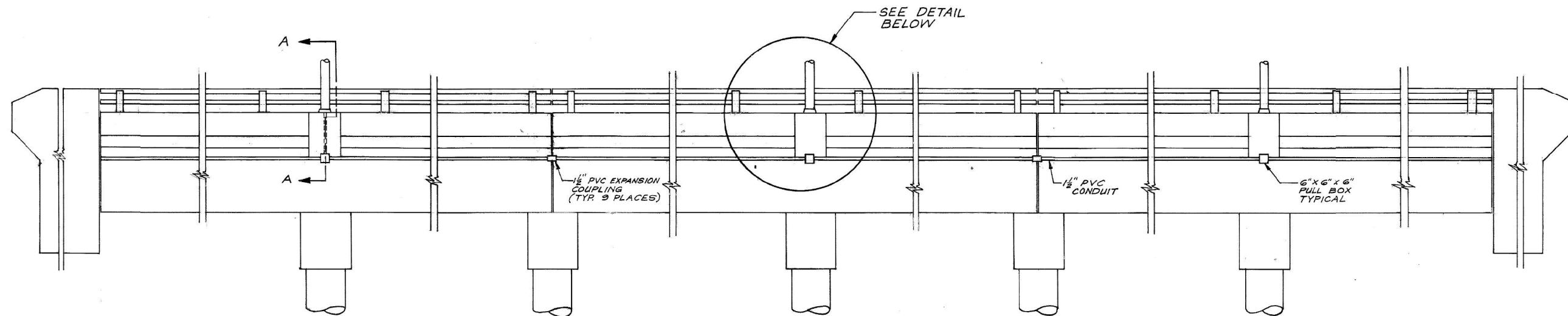
IDOT RECORD DRAWINGS

SCALE: SHEET OF SHEETS STA. TO STA.

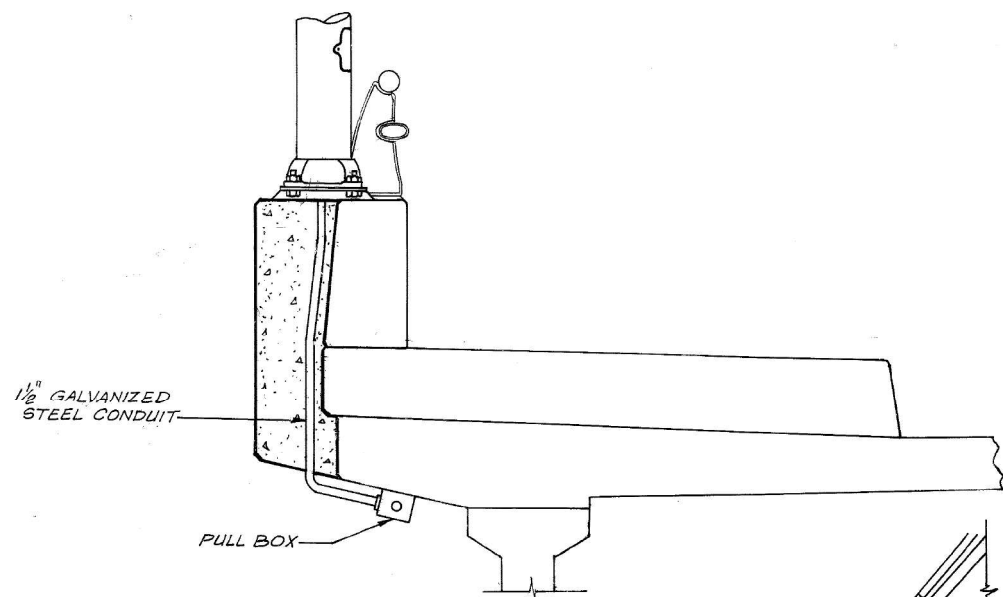
F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 644A
CONTRACT NO. 62N91				

LT-68A

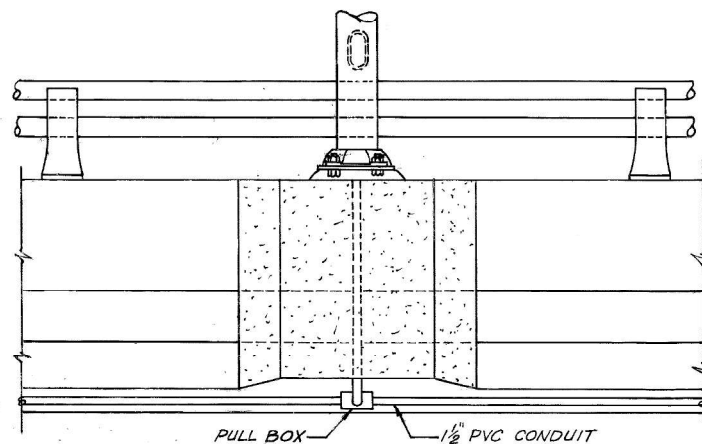
County	Fiscal	Sheet	Total
Highway	Year	No.	Sheets
A50	85	4	14
Section: 85-A5011-02-LT			



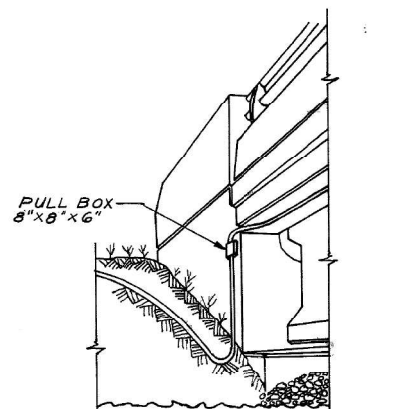
ELEVATION  
SCALE 1/4" = 1'-0"



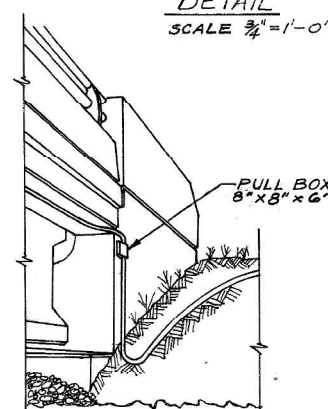
SECTION A-A  
SCALE 3/4" = 1'-0"



DETAIL  
SCALE 3/4" = 1'-0"



CONNECTION TO STRUCTURE  
N.T.S.



CONNECTION TO STRUCTURE  
N.T.S.

NOTE:  
ALL PULL BOXES TO BE INCIDENTAL TO  
THE COST OF PVC CONDUIT ON STRUCTURE.

FOR INFORMATION ONLY

COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
PRESIDENT	SUPERINTENDENT
LAKE-COOK RD. SLOUGH BRIDGE LIGHTING DETAILS	
COMPUTED R.W.C.	APPROVED [Signature]
DRAWN W.A.C.	CHECKED [Signature]

MODEL: D:\p\h\... FILE NAME: I:\G\190\project\27145\04\_CADD\CADD\_Sheets\Contract\_2\ID162\N91\_LC3\_460c-rlt\lighting.dwg

**SINGH**  
SINGH + ASSOCIATES INC.  
CONSULTING ENGINEERS

USER NAME = vturnerz	DESIGNED - VG	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - AP/MAG	REVISED -
PLOT DATE = 1/23/2025	CHECKED - RP/IMG	REVISED -
	DATE - 1/24/2025	REVISED -

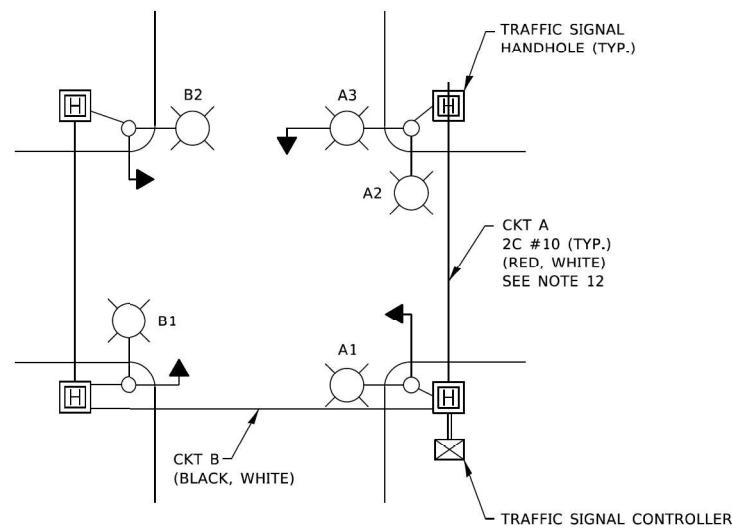
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IDOT RECORD DRAWINGS

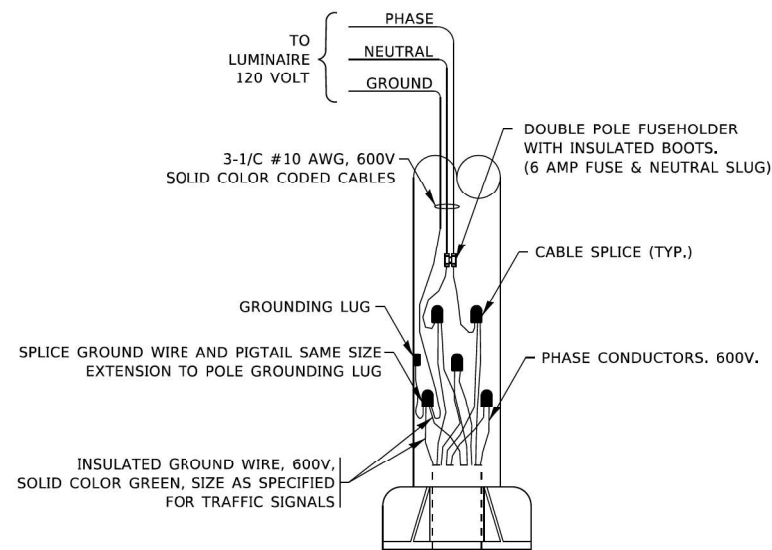
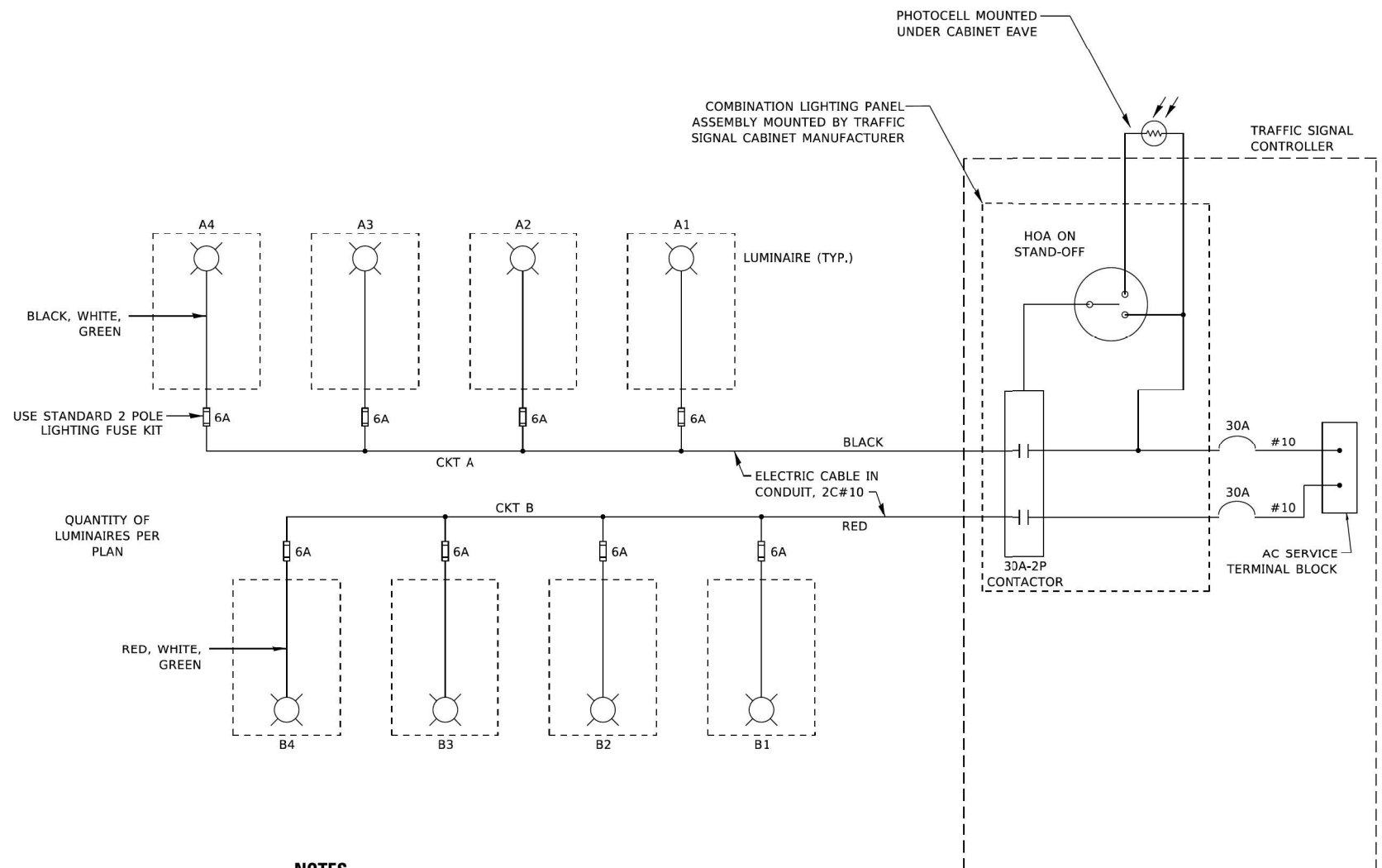
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	644B
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

LT-68B



**TYPICAL LIGHTING CIRCUIT**  
(NOT TO SCALE)



**COMBINATION POLE WIRING DETAIL**  
(NOT TO SCALE)

**NOTES**

- 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
- TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
- ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
- FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
- THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
- LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
- COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
- LUMINAIRE VOLTAGE SHALL BE 120V
- POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
- THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.

MODEL: D:\p\h\... FILE NAME: ...

USER NAME = demanchell	DESIGNED - RT	REVISED - T.G. 4/12/2017
PLOT SCALE = 100,0000' / in.	CHECKED - RT	REVISED - R. TOMSONS 3/22/18
PLOT DATE = 5/5/2022	DATE - 08/18/2014	REVISED - T.G. 8/03/2021
		REVISED - T.G. 5/05/2022

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-240			
ILLINOIS			FED. AID PROJECT	

MODEL: D:\p\h\... FILE NAME: ...

**SINGH**  
SINGH & ASSOCIATES INC.  
CONSULTING ENGINEERS

USER NAME = vnuirez	DESIGNED - VG	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - RP/MG	REVISED -
PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

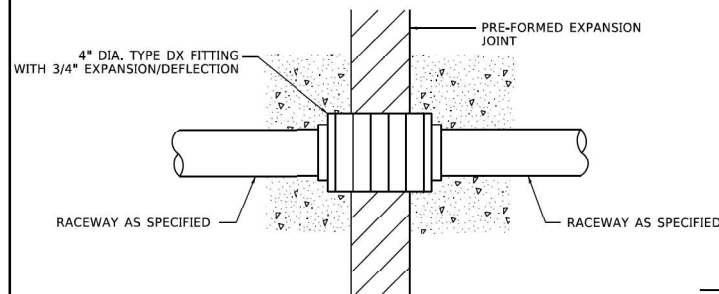
**IDOT D1 BUREAU OF TRAFFIC STANDARDS (BE-240)**

SCALE: SHEET OF SHEETS STA. TO STA.

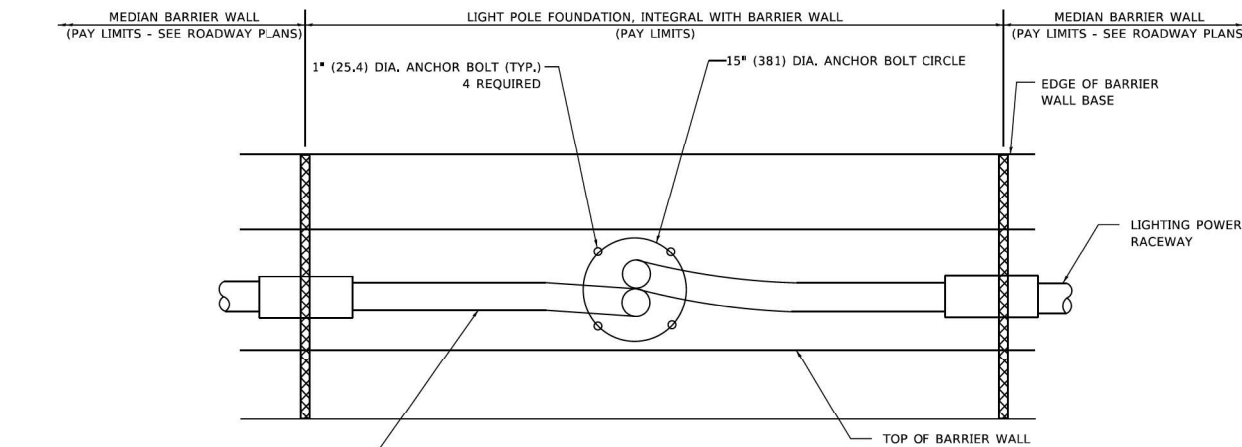
F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	645
ILLINOIS			FED. AID PROJECT	

**NOTES:**

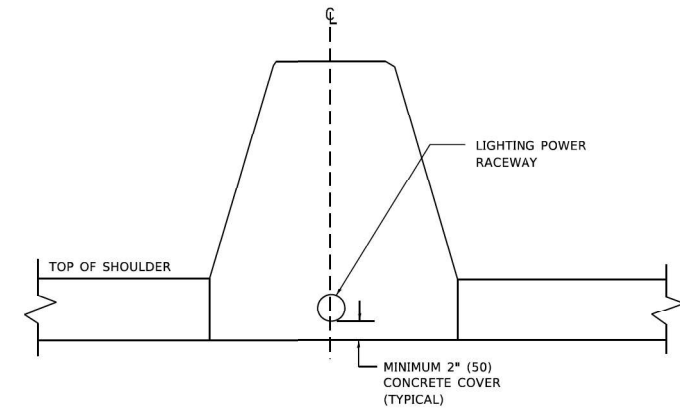
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORMS.
3. THE CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #4 (15 m) TIES AT 12" (304.8 m) CTRS. FOR THE #3 (3 m) SPIRAL. TACKLED TYPE BOLT MAY BE SUBSTITUTED FOR THE HOOK TYPE BOLT.
4. COLD BENDING OF THE HOOK BOLT SHALL NOT BE ALLOWED.
5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24 INCHES (609.6 m) IN DIAMETER. ROCK EXCAVATION IF REQUIRED SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 502.
6. THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.
7. BARRIER WALL EXPANSION AND CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL 637006-05 AS APPLICABLE. SHAPE OF BARRIER TO MATCH ADJACENT BARRIER SECTIONS (TYPICAL OR VARIABLE HEIGHT).
8. ANCHOR RODS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS ARTICLES 1070.02 AND 1006.09.



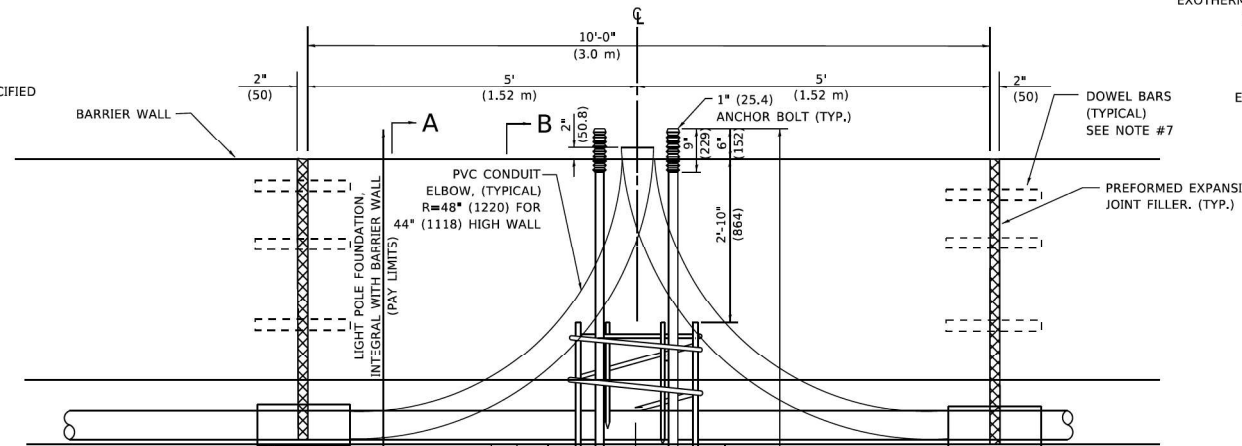
**CONDUIT DEFLECTION FITTING DETAIL**



4" (102) DIA. PVC SCH 40 CONDUIT UNLESS OTHERWISE INDICATED ON PLAN SHEETS. (TYPICAL)



**SECTION A-A**



COUPLING SEE DETAIL (TYPICAL)

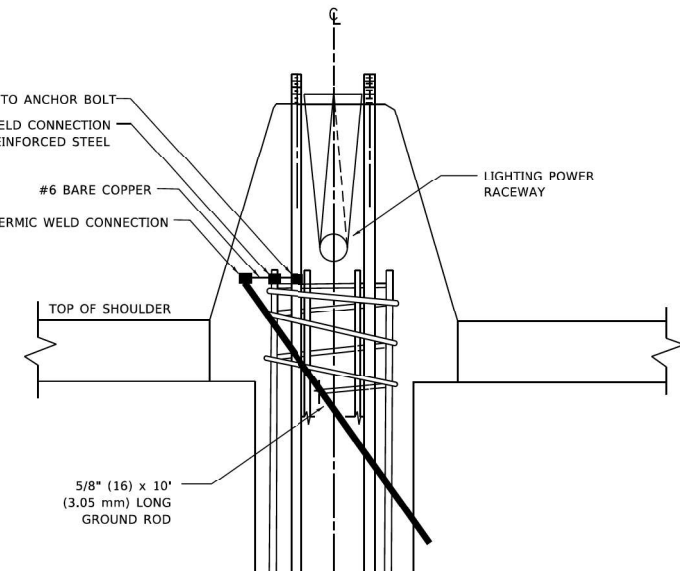
1" DIA. GROUND CLAMP TO ANCHOR BOLT EXOTHERMIC WELD CONNECTION TO REINFORCED STEEL

#6 BARE COPPER

EXOTHERMIC WELD CONNECTION

PREFORMED EXPANSION JOINT FILLER. (TYP.)

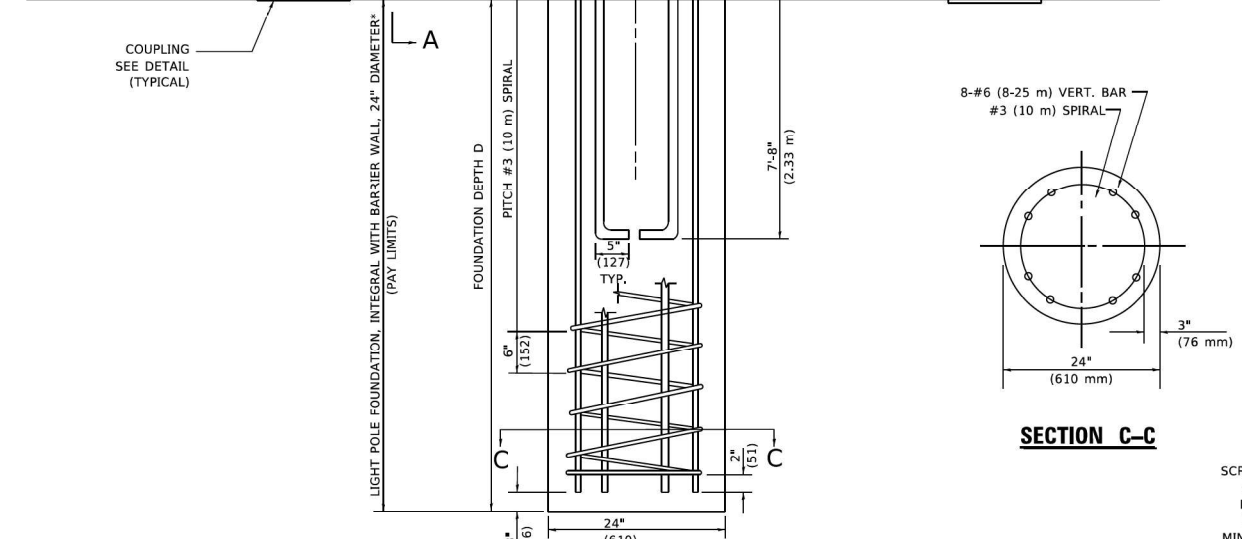
DOWEL BARS (TYPICAL) SEE NOTE #7



**SECTION B-B**

ASSURE THAT REINFORCING STEEL IS ALL INTERCONNECTED VIA TIE WRAPPING OF OTHER SUITABLE MEANS TO ANCHOR BOLTS.

TYPE OF SOIL	FOUND DEPTH D	REINFORCEMENT IN FOUNDATION	
		VERTICAL BARS	SPIRAL
ROCK OR SOLIDIFIED SLAG	5'-0" (1.52 m)	NONE	NONE
DENSE SAND	7'-9" (2.35 m)	8-#6 x 9'-0" (8-20 m x 2.74 m)	#3 x 90' (3 m x 27.43 m)
MEDIUM SAND	8'-3" (2.51 m)	8-#6 x 9'-5" (8-20 m x 2.87 m)	#3 x 94' (3 m x 28.65 m)
LOOSE SAND	9'-0" (2.74 m)	8-#6 x 10'-2" (8-20 m x 3.09 m)	#3 x 100' (3 m x 30.48 m)
STIFF CLAY	7'-0" (2.13 m)	8-#6 x 10'-8" (8-20 m x 2.48 m)	#3 x 80' (3 m x 24.38 m)
MEDIUM CLAY	9'-6" (2.89 m)	8-#6 x 10'-8" (8-20 m x 3.25 m)	#3 x 104' (3 m x 31.69 m)
SOFT CLAY	13'-0" (3.95 m)	8-#6 x 14'-2" (8-20 m x 4.32 m)	#3 x 144' (3 m x 43.89 m)

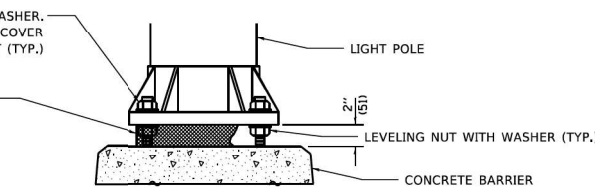


**SECTION C-C**

\* ALL ANCHOR RODS AND REINFORCEMENT SHALL BE INCLUDED IN THE PAY ITEM "LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL, 24" DIAMETER".

HEX NUT WITH WASHER, WASHER SHALL COVER ENTIRE SLOT (TYP.)

SCREEN WRAPPED AROUND NUTS AND ANCHOR RODS BETWEEN FOUNDATION AND BOTTOM OF POLE BASE. PROVIDE 6" (152) MINIMUM OVERLAP AND WIRE-TIE WITH MATCHING WIRE.



**ELEVATION AT CONCRETE BARRIER**

MODEL: D:\naik... FILE NAME: I:\projects\22145\04\_CADD\CADD\_Sheets\Contract\_2\0162\N91\_LC3\_460r-01r\lpfbc65.dgn

USER NAME = Lawrence,DeManche	DESIGNED -	REVISED - T. GODINHO 01-30-24
PLCT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLCT DATE = 1/30/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**24" (610 mm) DIA. LIGHT POLE FOUNDATION  
INTEGRAL WITH DOUBLE FACE BARRIER WALL, CONSTANT SLOPE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-323			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

MODEL: D:\naik... FILE NAME: I:\projects\22145\04\_CADD\CADD\_Sheets\Contract\_2\0162\N91\_LC3\_460r-01r\lpfbc65.dgn

**SINGH**  
SINGH & ASSOCIATES INC.  
CONSULTING ENGINEERS

USER NAME = vnuirez	DESIGNED - VG	REVISED -
PLCT SCALE = 2,0000' / in.	CHECKED - RP/MG	REVISED -
PLCT DATE = 1/23/2025	DATE - 1/24/2025	REVISED -

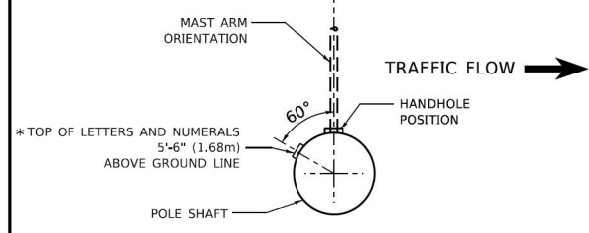
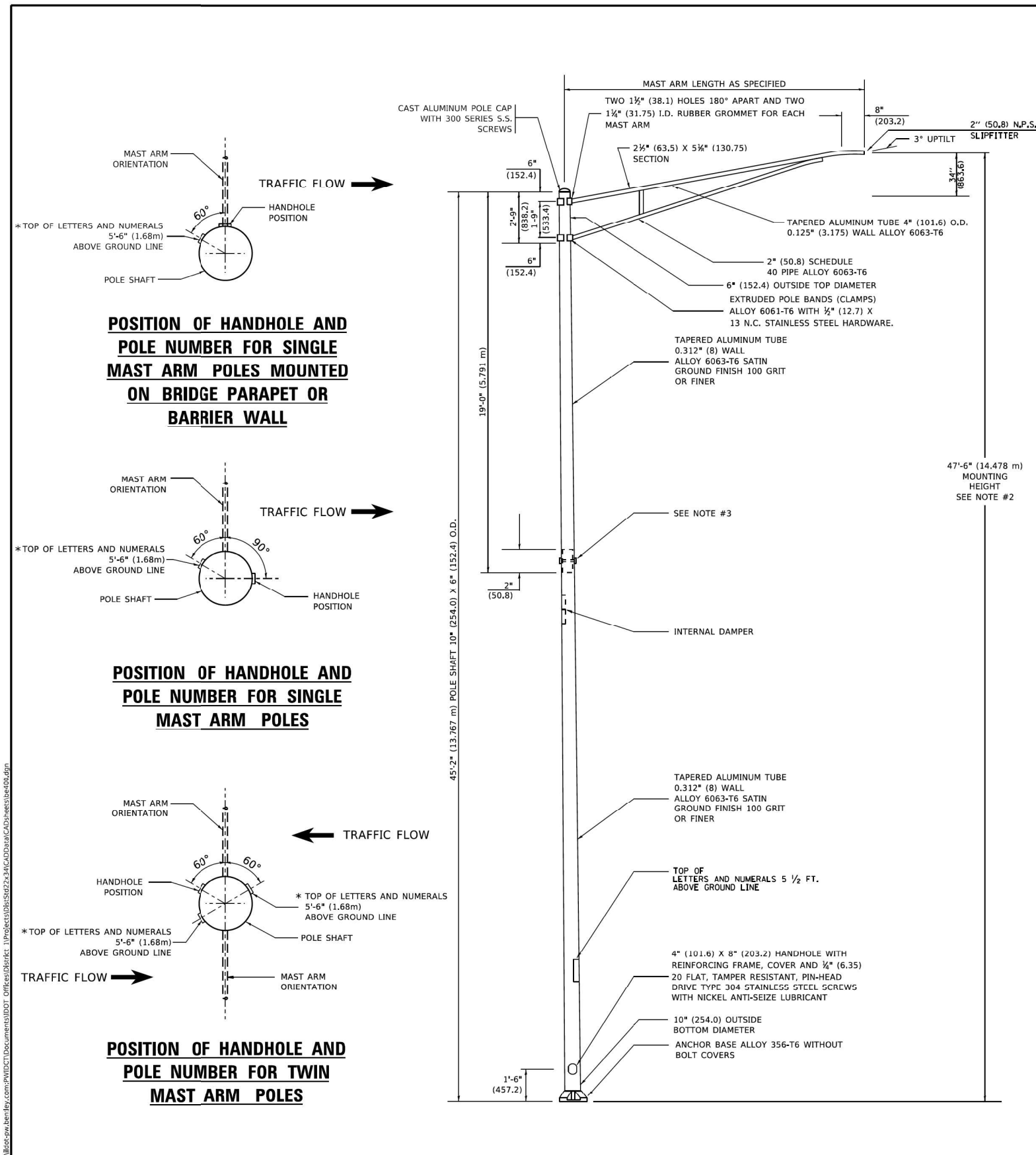
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT D1 BUREAU OF TRAFFIC STANDARDS (BE-323)**

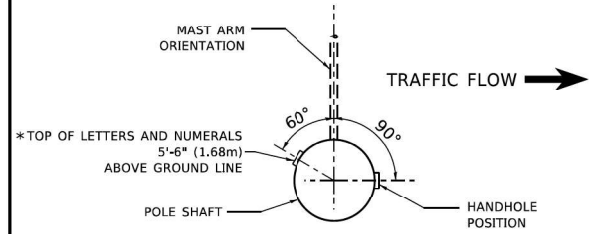
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	646
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

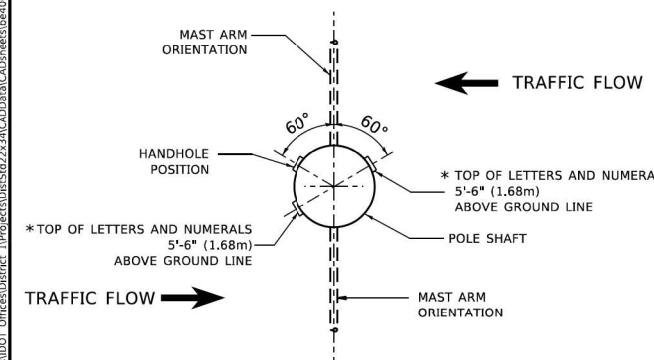
**LT-70**



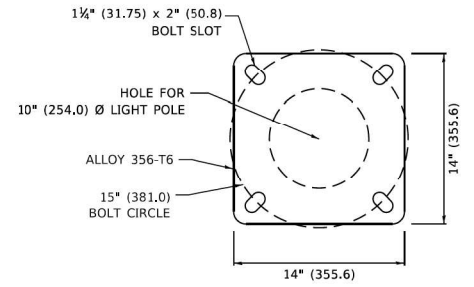
**POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL**



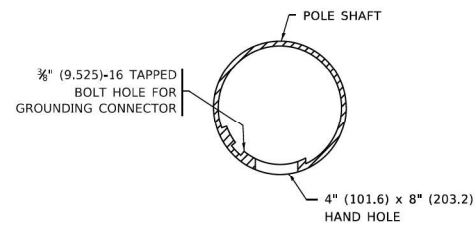
**POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES**



**POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES**



**LIGHT POLE BASE PLATE DETAIL**  
15 INCH (381.0) BOLT CIRCLE



**HANDHOLE DETAIL**  
(N.T.S.)

**NOTES**

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

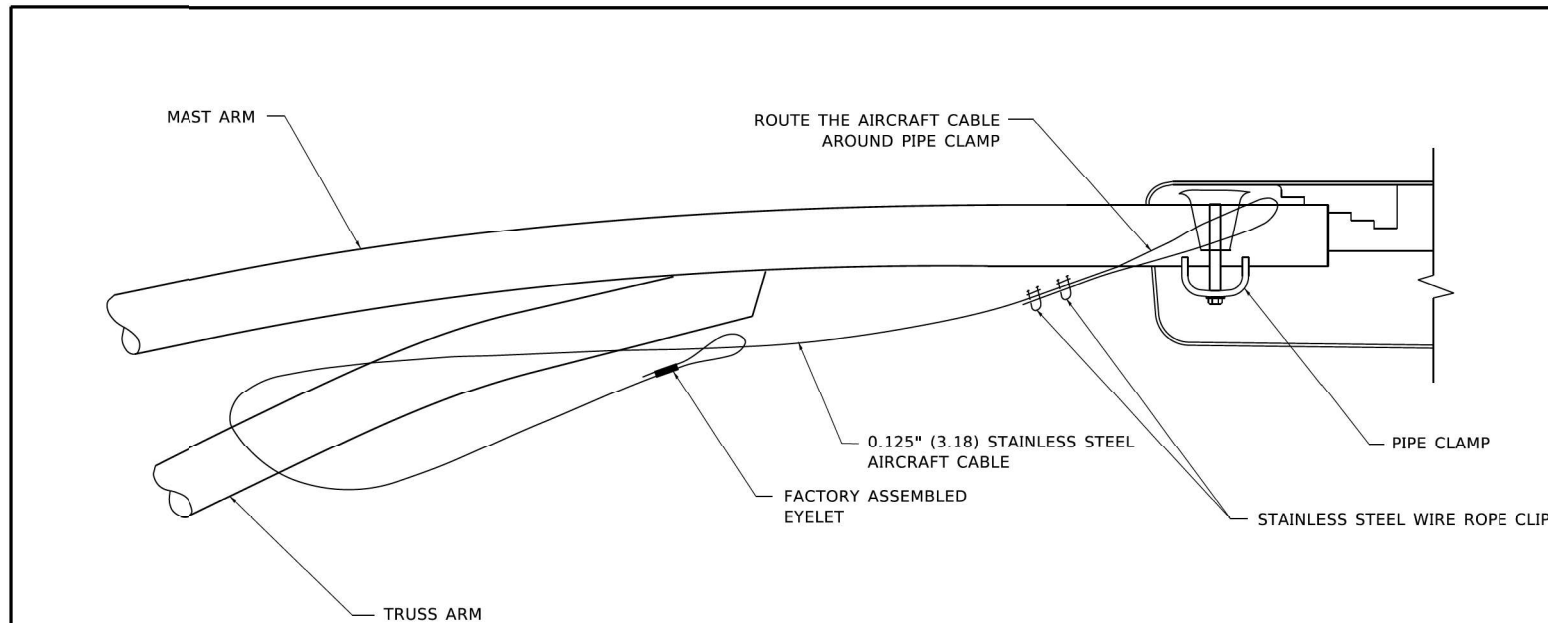
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USER NAME = Lawrence,DeManche	DESIGNED -	REVISED - R. TOMSONS 01-18-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALUMINUM LIGHT POLE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLCT SCALE = 100.0000 ' / in.	DRAWN -	REVISED - R. TOMSONS 03-18-15		<b>47'-6" (14.478 m) MOUNTING HEIGHT</b>		<b>BE-400</b>		CONTRACT NO.		
PLCT DATE = 12/19/2023	CHECKED -	REVISED - TG 06-13-22		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS   FED. AID PROJECT
	DATE -	REVISED - R. TOMSONS 12-19-23								

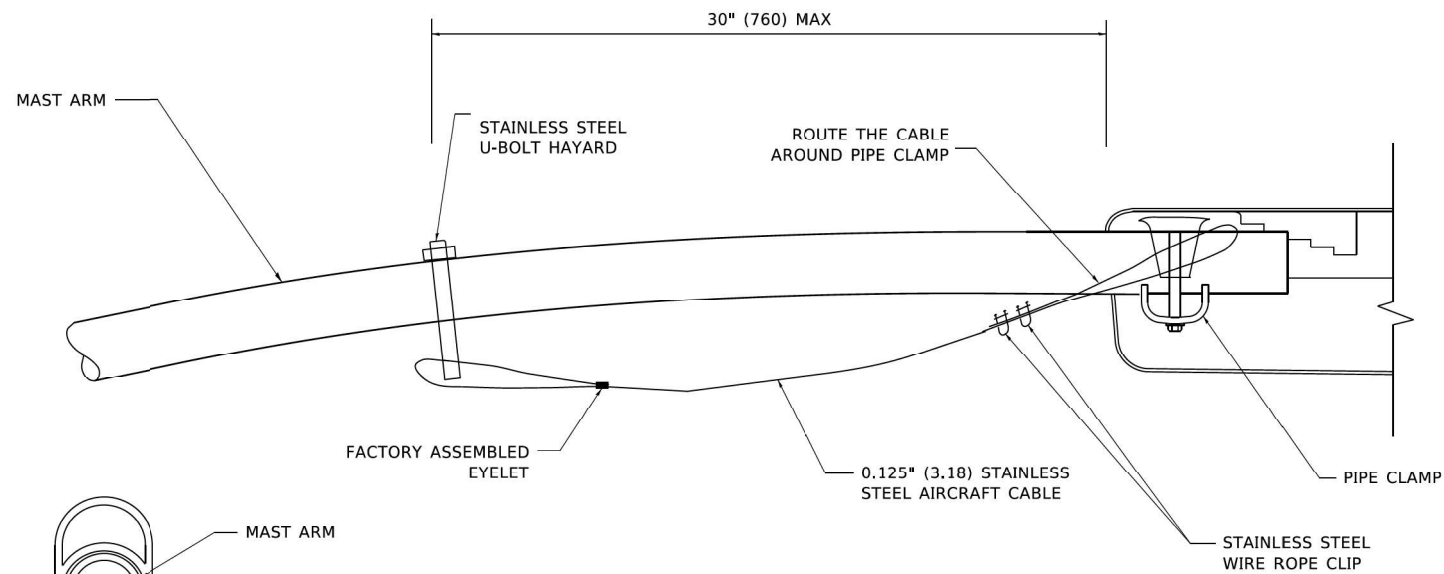
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PLCT SCALE = 2,000.000 ' / in.	DRAWN - AP/MAG	REVISED -
PLCT DATE = 12/11/2024	CHECKED - RP/MG	REVISED -
	DATE - 12/20/2024	REVISED -

<b>IDOT D1 BUREAU OF TRAFFIC STANDARDS (BE-400)</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

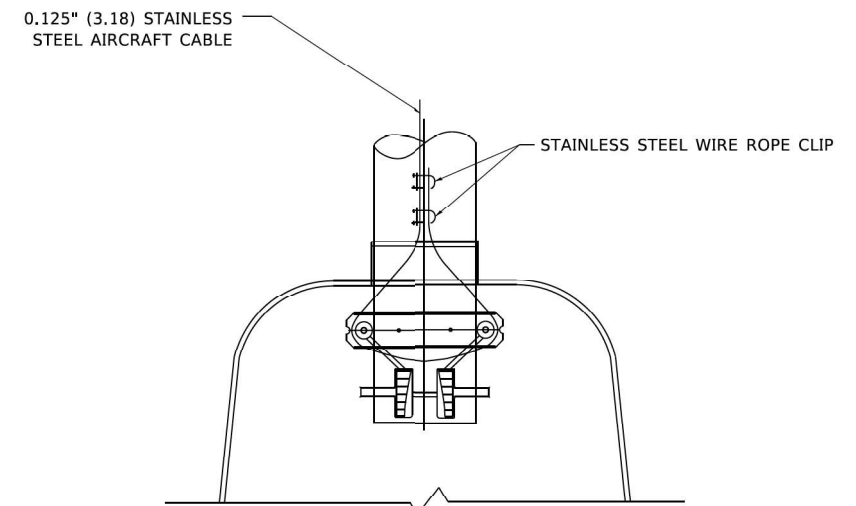
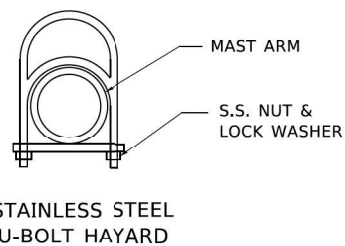
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	647
CONTRACT NO. 62N91				
ILLINOIS   FED. AID PROJECT				



**SIDE VIEW (TRUSS ARM)**  
**N.T.S.**



**SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)**  
**N.T.S.**



**BOTTOM VIEW**  
**N.T.S.**

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

USER NAME = footemj	DESIGNED -	REVISED - 08-08-03
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LUMINAIRE SAFETY CABLE ASSEMBLY**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-701			
SCALE: NONE			SHEET 1 OF 1 SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT				

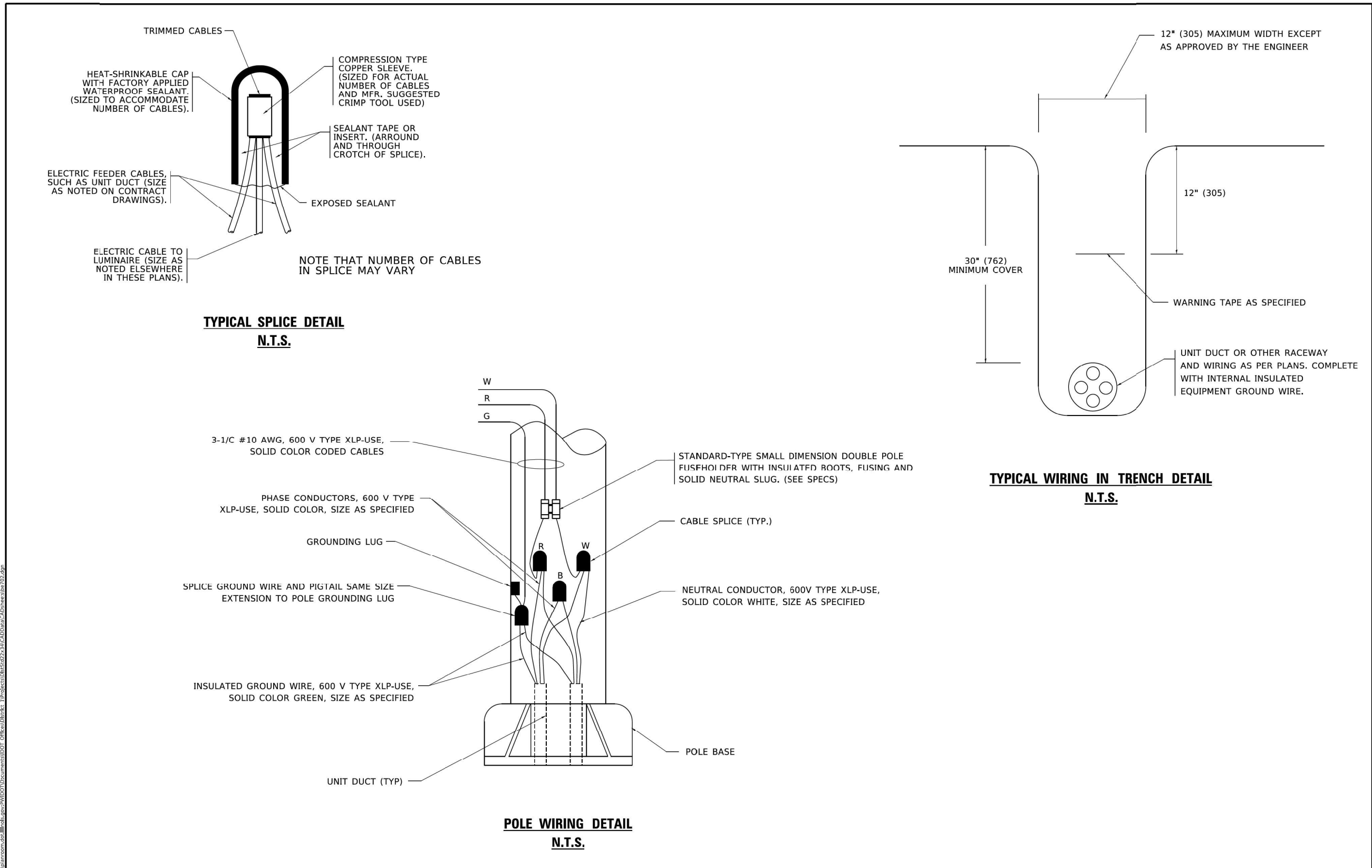
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USER NAME = vturnez	DESIGNED - VG	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - AP/MAG	REVISED -
PLOT DATE = 12/11/2024	CHECKED - RP/IMG	REVISED -
	DATE - 12/20/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT D1 BUREAU OF TRAFFIC STANDARDS (BE-701)**

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	648
SCALE:			SHEET OF SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT				



MODEL: D:\m\h...  
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USER NAME = lveysa	DESIGNED -	REVISED - 02/04/2020
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/2/2020	DATE - 08/08/2003	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS**  
**SHEET A**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	<b>BE-702</b>			
CONTRACT NO. ILLINOIS FED. AID PROJECT				

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USER NAME = vnuñez	DESIGNED - VG	REVISED -
	DRAWN - AP/MAG	REVISED -
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PLOT DATE = 12/11/2024	DATE - 12/20/2024	REVISED -

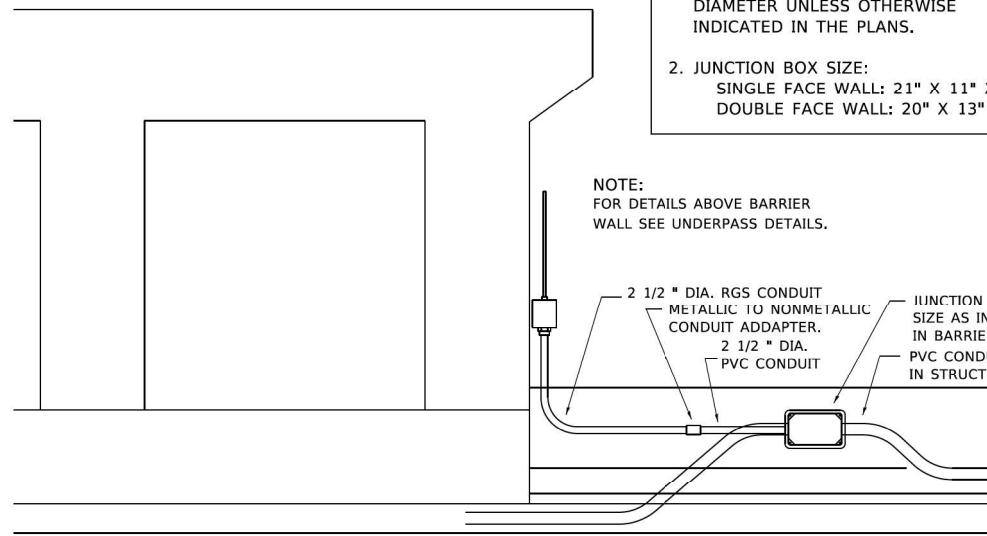
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IDOT D1 BUREAU OF TRAFFIC STANDARDS (BE - 702)**

SCALE:    SHEET    OF    SHEETS    STA.    TO STA.

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	649
CONTRACT NO. 62N91 ILLINOIS FED. AID PROJECT				



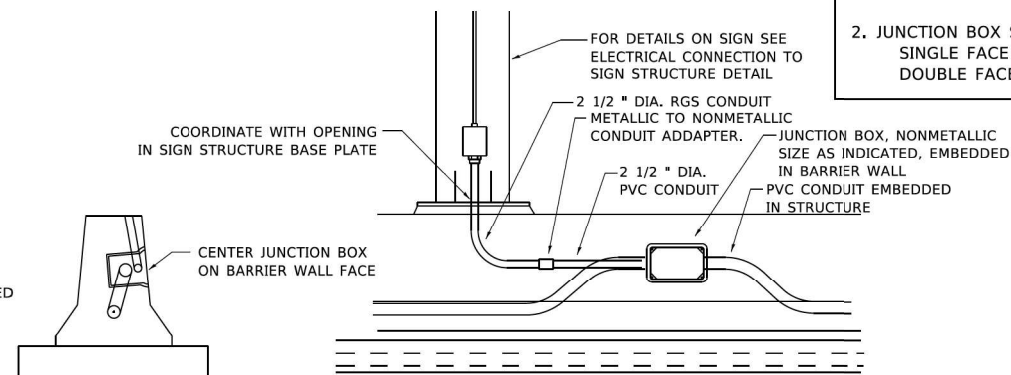


**NOTES**

1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE:  
SINGLE FACE WALL: 21" X 11" X 8"  
DOUBLE FACE WALL: 20" X 13" X 12"

**NOTE:**  
FOR DETAILS ABOVE BARRIER WALL SEE UNDERPASS DETAILS.

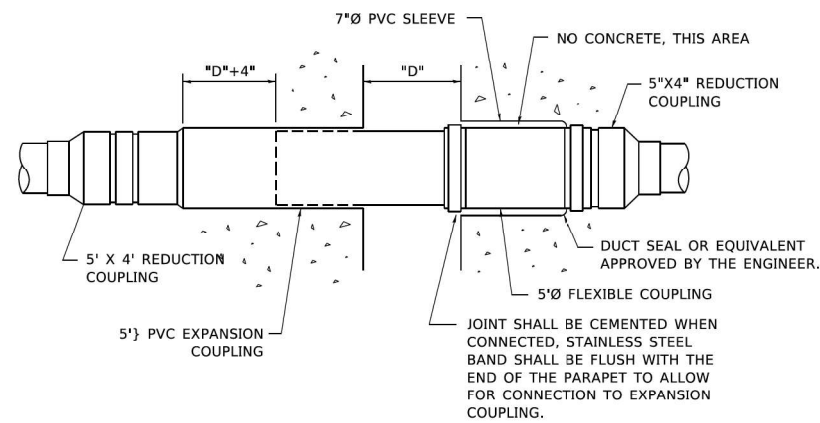
ED - BWD  
**ELECTRIC CONNECTION TO UNDERPASS LIGHTING**



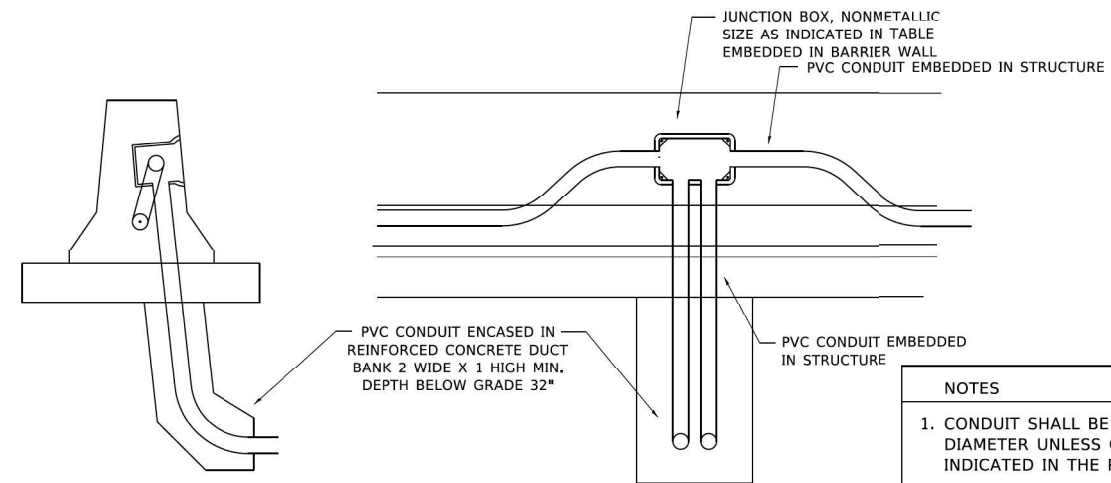
**NOTES**

1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE:  
SINGLE FACE WALL: 21" X 11" X 8"  
DOUBLE FACE WALL: 20" X 13" X 12"

ED - SGN  
**JUNCTION BOX EMBEDDED IN BARRIER WALL FOR SIGN LIGHTING**



**INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT**  
(N.T.S.)



**NOTES**

1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE:  
SINGLE FACE WALL: 21" X 11" X 8"  
DOUBLE FACE WALL: 20" X 13" X 12"

ED - BW  
**JUNCTION BOX EMBEDDED IN BARRIER WALL**

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE - 01-20-2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS ELECTRICAL DETAILS, SHEET B  
J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE  
PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-703			
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

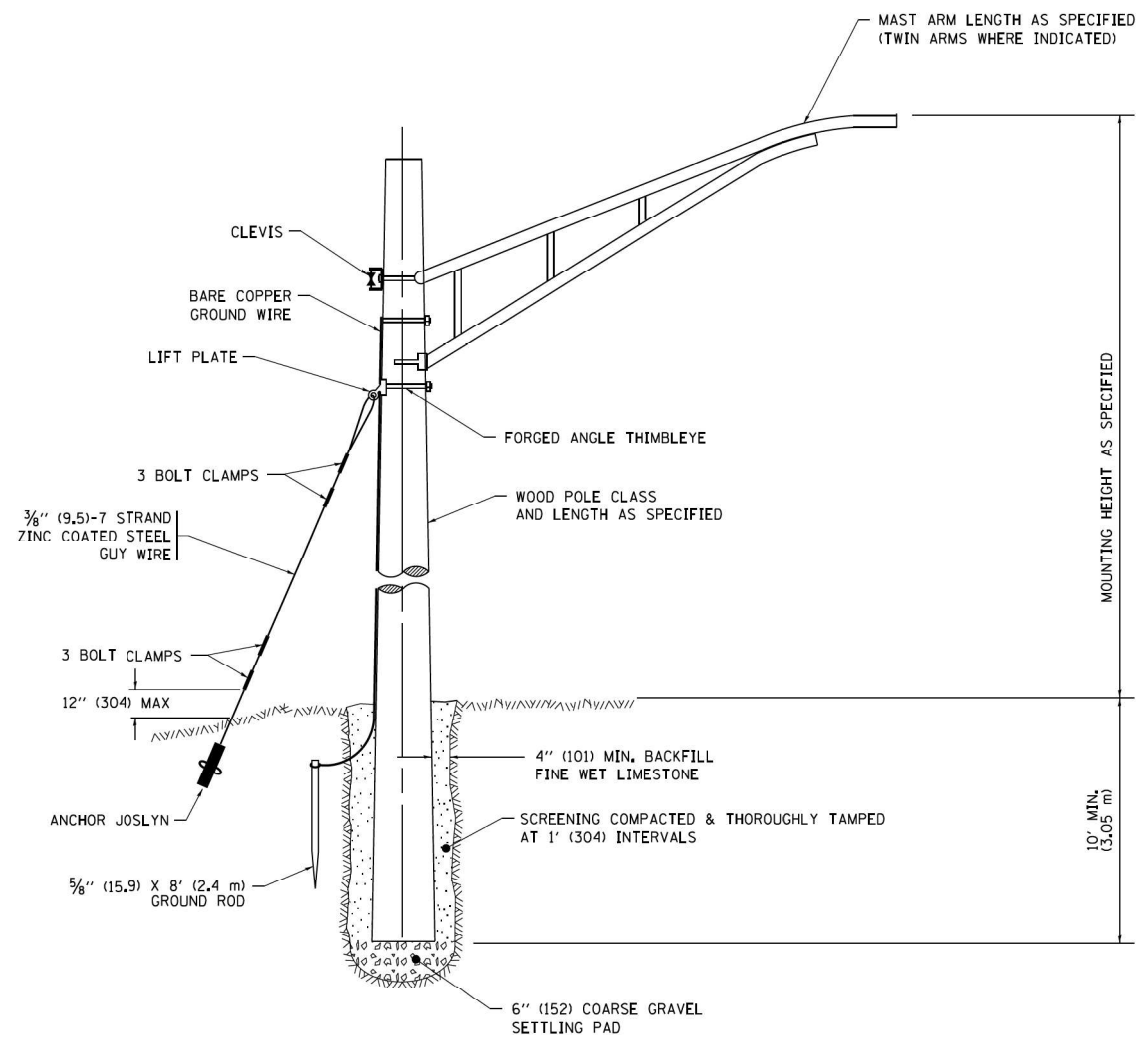
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USER NAME = vnuirez	DESIGNED - VG	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN - AP/MAG	REVISED -
PLOT DATE = 12/11/2024	CHECKED - RP/MG	REVISED -
	DATE - 12/20/2024	REVISED -

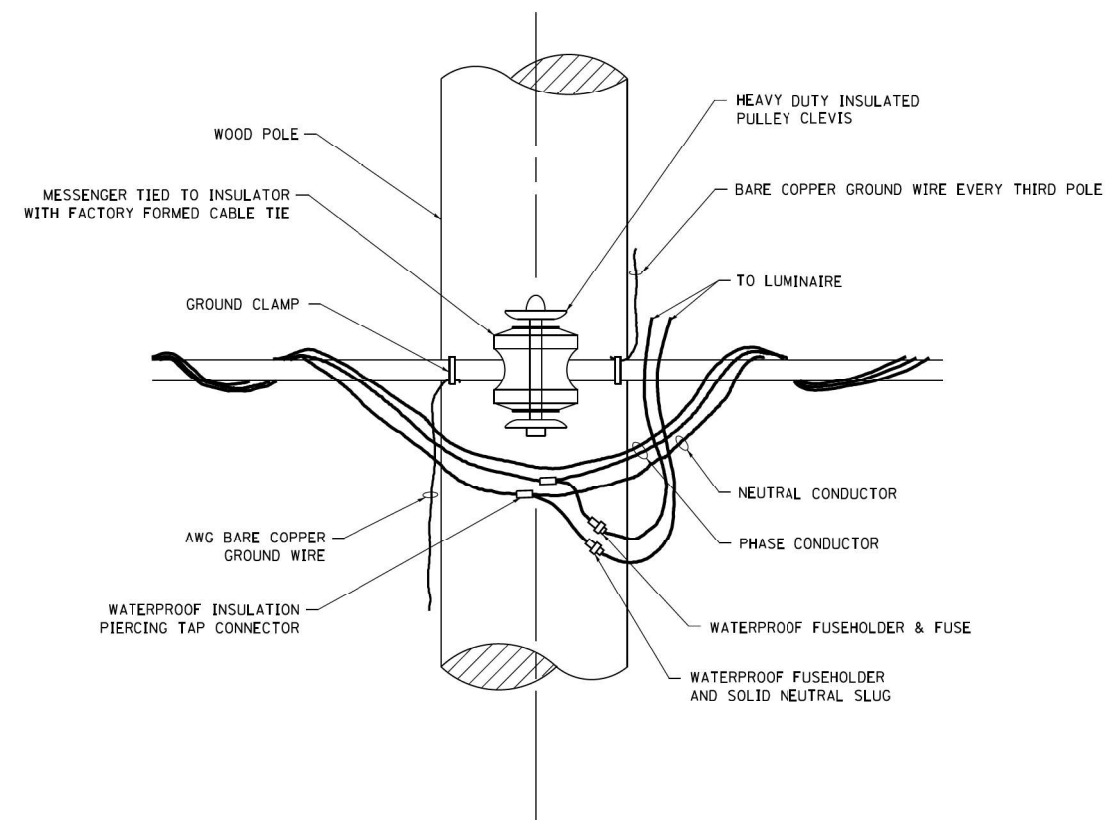
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	650
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				





**TEMPORARY LIGHT POLE DETAIL**



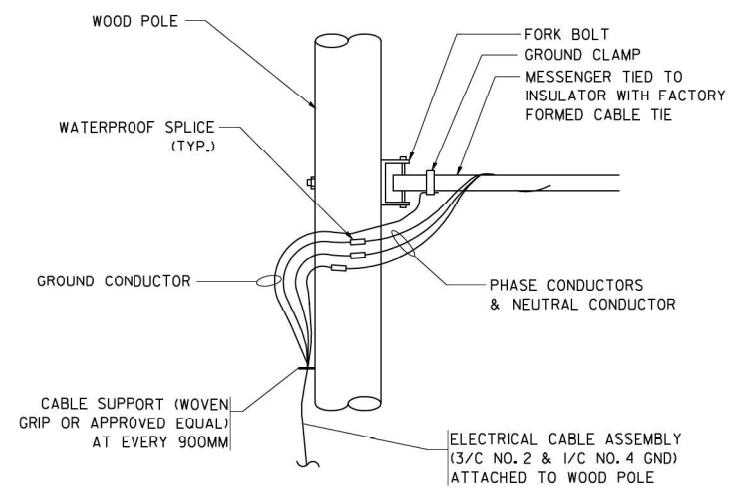
**TEMPORARY LIGHT POLE ATTACHMENT DETAIL**

**NOTE:**

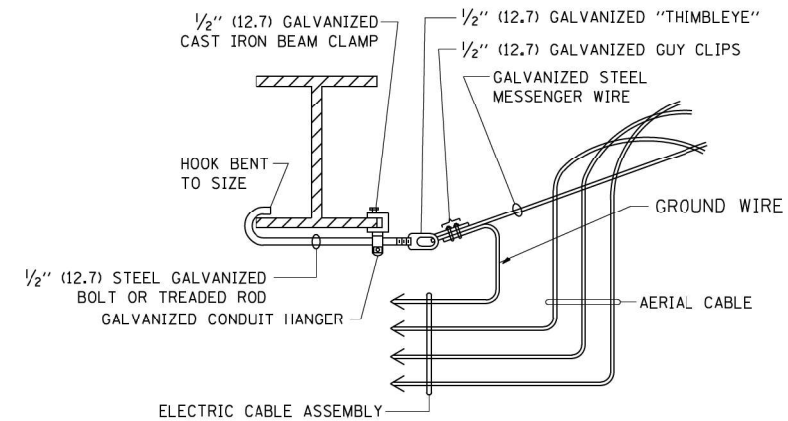
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

FILE NAME - p:\1\IL084EB\INTEG\Illinois\gov\IDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CAD\CADData\CAD\sheet\be800.dgn	USER NAME = vfosemj	DESIGNED - DRAWN - AP/MAG	REVISED - 08-08-03 REVISED - R.T. 07-26-16	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY LIGHT POLE DETAILS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 50.000' / in.	CHECKED - DATE - 9/1/2016	REVISED -		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	BE-800	CONTRACT NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/23/2025	DATE - 1/24/2025	REVISED -										

MODEL: Default  
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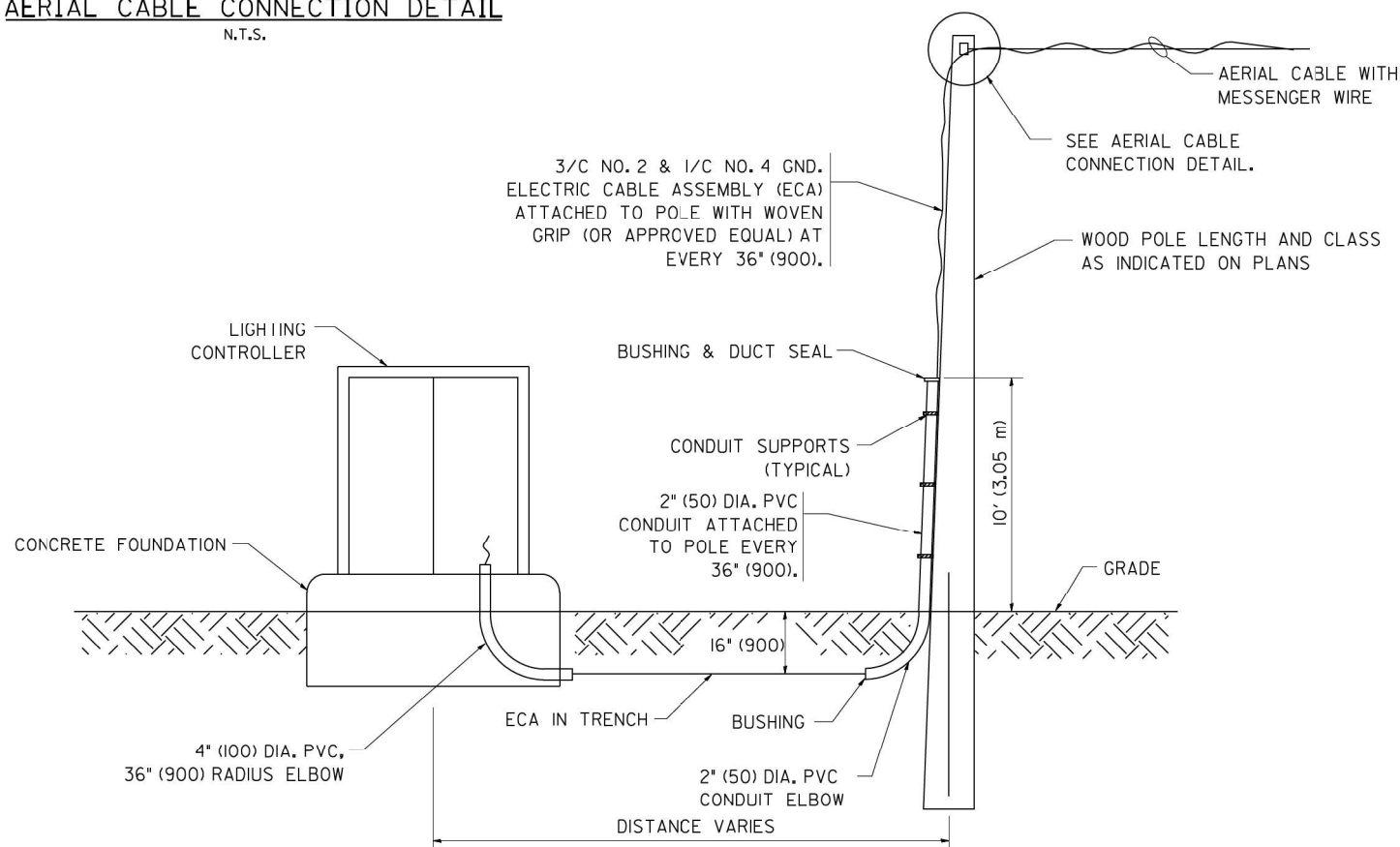
**AERIAL CABLE CONNECTION DETAIL**  
N.T.S.



**AERIAL CABLE ATTACHED TO STRUCTURE**  
NOT TO SCALE

**NOTES:**

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



**WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL**  
N.T.S.

FILE NAME = W:\dvssta\22x34\ba801.dgn	USER NAME = gag1amobt	DESIGNED - DRAWN -	REVISED - REVISED -	08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY AERIAL CABLE INSTALLATION</b>			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE =	DATE =	1/24/2025	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

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FILE NAME: \\...  
PROJECT: 22x34...  
SHEET: 652

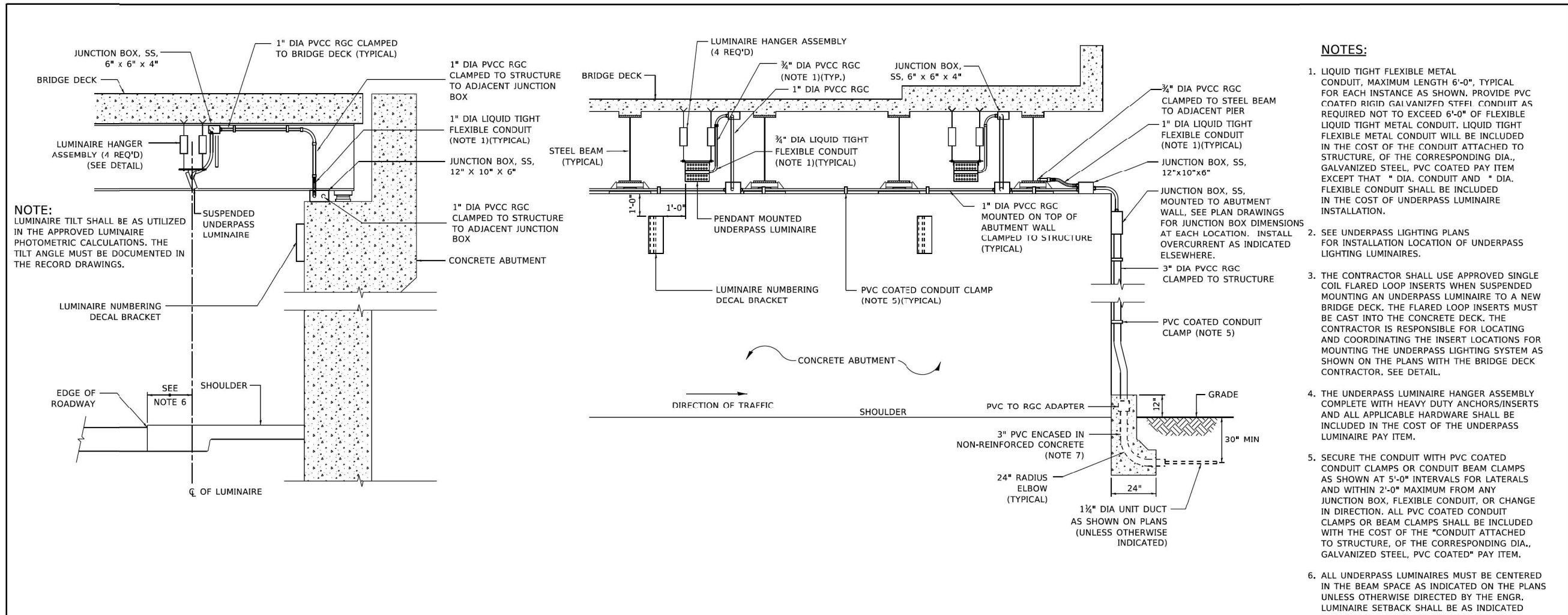


USER NAME = vnuirez	DESIGNED - DRAWN -	VG AP/MAG	REVISED - REVISED -	
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PLOT DATE =	DATE =	1/23/2025	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

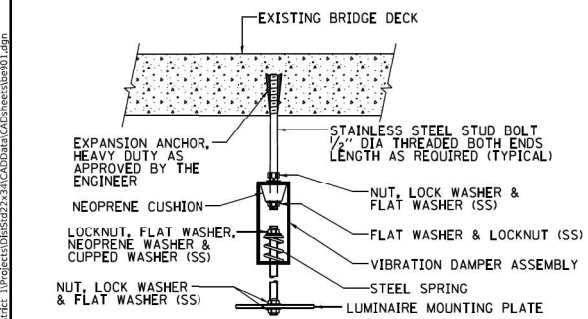
<b>IDOT D1 BUREAU OF TRAFFIC STANDARDS (BE - 801)</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	652
<b>CONTRACT NO. 62N91</b>				
ILLINOIS FED. AID PROJECT				

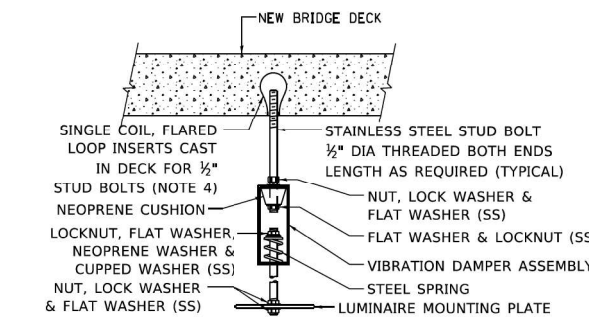


**NOTE:**  
LUMINAIRE TILT SHALL BE AS UTILIZED IN THE APPROVED LUMINAIRE PHOTOMETRIC CALCULATIONS. THE TILT ANGLE MUST BE DOCUMENTED IN THE RECORD DRAWINGS.

- NOTES:**
- LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN. PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT " DIA. CONDUIT AND " DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE COST OF UNDERPASS LUMINAIRE INSTALLATION.
  - SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRES.
  - THE CONTRACTOR SHALL USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN SUSPENDED MOUNTING AN UNDERPASS LUMINAIRE TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND COORDINATING THE INSERT LOCATIONS FOR MOUNTING THE UNDERPASS LIGHTING SYSTEM AS SHOWN ON THE PLANS WITH THE BRIDGE DECK CONTRACTOR. SEE DETAIL.
  - THE UNDERPASS LUMINAIRE HANGER ASSEMBLY COMPLETE WITH HEAVY DUTY ANCHORS/INSERTS AND ALL APPLICABLE HARDWARE SHALL BE INCLUDED IN THE COST OF THE UNDERPASS LUMINAIRE PAY ITEM.
  - SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
  - ALL UNDERPASS LUMINAIRES MUST BE CENTERED IN THE BEAM SPACE AS INDICATED ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGR. LUMINAIRE SETBACK SHALL BE AS INDICATED IN PLANS FOR EACH SPECIFIC UNDERPASS
  - THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
  - ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.
  - IN NO INSTANCE SHALL ANY UNDERPASS LUMINAIRE OR ANY OTHER ELECTRICAL EQUIPMENT BE INSTALLED BELOW THE ELEVATION OF THE BOTTOM OF THE BRIDGE BEAM WHEN OVER ANY PAVEMENT (ROADWAY OR SHOULDER).

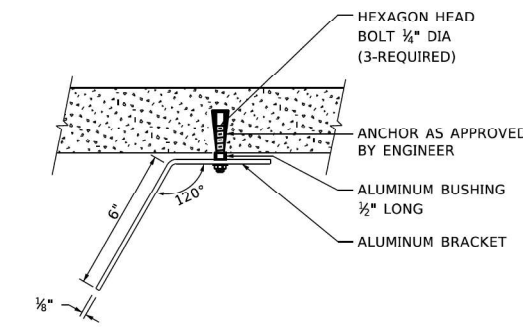


**EXISTING BRIDGE DECK INSTALLATION**

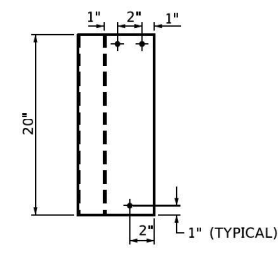


**NEW BRIDGE DECK INSTALLATION**

**TYPICAL LUMINAIRE HANGER ASSEMBLY DETAILS**



**TOP VIEW**



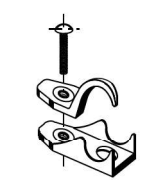
**ELEVATION**

**LUMINAIRE NUMBERING DECAL BRACKET**

NOT TO SCALE



**PVC COATED CONDUIT BEAM CLAMP**  
NOT TO SCALE



**PVC COATED CONDUIT CLAMP**  
NOT TO SCALE

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUSPENDED MOUNT LED UNDERPASS  
LUMINAIRE INSTALLATION DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-901		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

USER NAME = vnuirez	DESIGNED - VG	REVISED -
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	DATE - 12/20/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT D1 BUREAU OF TRAFFIC STANDARDS (BE - 901)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	653
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- A MINIMUM OF SEVENTY-TWO (72) HOURS BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800-892-0123) OR 811 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
- IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT MEADE ELECTRIC COMPANY AT 773-287-7672.
- AFTER THE INITIAL LOCATE OF IDOT FACILITIES, THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY ENCOUNTERED DISCREPANCIES TO THE ENGINEER AT ONCE. THE CONTRACTOR SHALL TAKE DUE CARE.
- POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT PAY ITEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
- THE CONTRACTOR SHALL VERIFY ADEQUATE CLEARANCE OVER/UNDER EXISTING AND PROPOSED FACILITIES BEFORE INSTALLING DUCTS, CONDUIT AND CABLES. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION.
- CONDUIT CROSSING OVER/UNDER OTHER UTILITIES SHALL MAINTAIN A SEPERATION OF AT LEAST 12 INCHES OR AS SPECIFIED BY OWNING UTILITY.
- CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES.
- NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 30 INCHES MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES AND STRUCTURES OR TO ENTER COMMUNICATIONS VAULTS OR HANDHOLES.
- THE CONTRACTOR SHALL AVOID TRENCHING THROUGH WETLAND AREA, ROADSIDE DITCHES AND RETENTION PONDS.
- IDOT MICRODUCT SHALL ONLY ENTER IDOT COMMUNICATIONS VAULTS OR JUNCTION BOXES.
- THE COMMUNICATION VAULT SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- ITS REMOVAL PLAN SHEETS DEPICT EXISTING CONDITIONS AND WORK TO BE PERFORMED TO MAINTAIN, REMOVE, SALVAGE, OR ABANDON EXISTING ITS INFRASTRUCTURE. PROPOSED ITS PLAN SHEETS DEPICT NEW ITS INFRASTRUCTURE TO BE INSTALLED.
- ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS. EXCAVATED MATERIALS SHALL BE DISPOSED OF AT LOCATIONS DESIGNATED BY THE ENGINEER. ANY SUCH DISPOSAL SHALL BE COMPLETED IN SUCH A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED AND SHALL NOT CREATE AN UNSIGHTLY OR OBJECTIONABLE APPEARANCE OR DETRACT FORM THE NATURAL TOPOGRAPHIC FEATURES WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
- ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
- ELECTRICAL HANDHOLE COVER LEGEND SHALL BE "IDOT ITS".
- ITS SYMBOLS ARE OVERSIZED ON THE PLANS FOR CLARITY. CONTRACTOR SHALL USE STATIONS AND OFFSETS TO ACCURATELY LOCATE EQUIPMENT.
- FIBER OPTIC DISTRIBUTION AND LATERAL CABLES SHALL BE INSTALLED BETWEEN COMMUNICATIONS VAULTS AND CABINETS AS SHOWN ON THE PLANS. FIBER OPTIC SLACK SHALL BE AS FOLLOWS:
  - 100 FEET FOR EACH CABLE (144, 24 AND 12 FIBER) IN COMMUNICATIONS VAULTS.
  - 50 FEET FOR EACH CABLE (144, 24 AND 12 FIBER) IN HEAVY-DUTY HANDHOLES.
  - 25 FEET FOR EACH CABLE (144, 24 AND 12 FIBER) IN JUNCTION BOXES.
  - 13 FEET FOR EACH CABLE AT CABINETS.
- A MAINLINE SPLICE SHALL NOT BE IN THE SAME COMMUNICATION VAULT AS A LATERAL SPLICE.

**LIST OF ABBREVIATIONS**

NOTATION	DESCRIPTION
(A)	TO BE ABANDONED IN PLACE OR REMOVED BY OTHERS
(E)	EXISTING, TO REMAIN IN PLACE
(I)	INSTALL
(R)	REMOVE
ATS	ATTACHED TO STRUCTURE
CCTV	CLOSED-CIRCUIT TELEVISION
CNC	COILABLE NONMETALLIC CONDUIT
COMM	COMMUNICATIONS
DMS	DYNAMIC MESSAGE SIGN
EIS	EMBEDDED IN STRUCTURE
EX	EXISTING
FDN	FOUNDATION
FRE	FIBERGLASS REINFORCED EPOXY
HDPE	HIGH DENSITY POLYETHYLENE
HD HH	HEAVY DUTY HANDHOLE
RNM	RIGID NONMETALLIC
HH	HANDHOLE
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
JB	JUNCTION BOX
MM	MULTIMODE
MP	MILEPOST
PR	PROPOSED
RGS	RIGID GALVANIZED STEEL
ROW	RIGHT-OF-WAY
SM	SINGLE MODE
SS	STAINLESS STEEL
TYP	TYPICAL
GRN	GROUND

**DEVICE LEGEND**

EXISTING TO REMOVE	EXISTING TO REMAIN	TEMPORARY	PROPOSED	DESCRIPTION
				COMMUNICATION VAULT
				HEAVY DUTY HANDHOLE
				JUNCTION BOX
				DISCONNECT SWITCH
				CABINET
				POLE (TYPE AND HEIGHT AS NOTED)
				CCTV CAMERA
				INDUCTION LOOP
				ROUND INDUCTION LOOP
				WIRELESS IN-PAVEMENT DETECTOR
				WIRELESS REPEATER
				WIRELESS DETECTOR ACCESS POINT
				TEMPORARY BLUETOOTH DETECTOR
				DYNAMIC MESSAGE SIGN
				ELECTRIC SERVICE (PROPOSED SERVICES ARE METERED)
				TELEPHONE SERVICE
				UTILITY SERVICE POLE

**CONDUIT LEGEND**

EXISTING	PROPOSED	DESCRIPTION
-----	-----	TRAFFIC SURVEILLANCE CONDUIT (TYPE, SIZE, AND CONTENTS AS NOTED)
		CONDUIT CASING (TYPE AND SIZE AS NOTED)
		CONDUIT ATTACHED TO STRUCTURE (TYPE AND SIZE AS NOTED)
		FIBER OPTIC CABLE (TYPE AND SIZE AS NOTED) IN CONDUIT (TYPE AND SIZE AS NOTED)
		ELECTRIC CABLE IN CONDUIT (TYPE, SIZE, AND CONTENTS AS NOTED)

**INDEX OF DRAWINGS**

ITS-01	ITS GENERAL NOTES AND LEGEND
ITS-02 TO ITS-3	ITS SCHEDULE OF DEVICES
ITS-04	ITS SUMMARY OF QUANTITIES
ITS-05 TO ITS-26	ITS REMOVAL AND TEMPORARY ITS PLANS
ITS-27 TO ITS-51	ITS INSTALLATION PLANS
ITS-52 TO ITS-94	ITS DETAILS

**NICOR GAS NOTES**

- WHERE CROSSING EXISTING GAS FACILITIES, THE INSTALLATION DEPTH OF PROPOSED FIBER OPTIC AND ELECTRICAL CONDUITS SHALL BE ADJUSTED IN THE FIELD AS NEEDED TO PROVIDE A 1 FT. MINIMUM VERTICAL CLEARANCE.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS GENERAL NOTES AND LEGEND

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	654
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**SCHEDULE OF DEVICES**

SITE NO.	ROUTE	DIRECTION	STATION	OFFSET	IDS	DEVICE TYPE	LOWERING DEVICE	DEVICE STATUS	MOUNTING HEIGHT	POLE/STRUCTURE TYPE	POLE/STRUCTURE STATUS
1	IL 53	SB	1118+27	154' LT	CCTV-IK-30A	PTZ CCTV CAM	INSTALL	INSTALL	80'	80' GS	INSTALL
2	IL 53	SB	1118+00	155' LT	CAB-IK-30A	CABINET	N/A	INSTALL	N/A	CABINET FDN	INSTALL
3	IL 53	SB	1130+72	162' LT	CCTV-IK-30B	PTZ CCTV CAM	INSTALL	INSTALL	80'	80' GS	INSTALL
4	IL 53	SB	1130+44	161' LT	CAB-IK-30B	CABINET	N/A	INSTALL	N/A	CABINET FDN	INSTALL
5	IL 53	SB	1142+63	133' LT	CAB-142	CABINET	N/A	INSTALL	N/A	CABINET FDN	INSTALL
6	IL 53	SB	1142+90	133' LT	CCTV-IL53-01	PTZ CCTV CAM	INSTALL	INSTALL	80'	80' GS	INSTALL
7	IL 53	SB	1411+03	93' LT	CAB-158	CABINET	N/A	INSTALL	N/A	CABINET FDN	INSTALL
8	IL 53	SB	1411+05	120' LT	CCTV-IL53-10	PTZ CCTV CAM	INSTALL	INSTALL	80' GS	80' GS	INSTALL
9	IL 53	SB	1443+16	124' LT	CAB-160	CABINET	N/A	INSTALL	N/A	CABINET FDN	INSTALL
10	IL 53	SB	1443+46	124' LT	CCTV-IL53-11	PTZ CCTV CAM	INSTALL	INSTALL	80' GS	80' GS	INSTALL
11	IL 53	NB	1455+46	103' RT	CCTV-IL53-12	PTZ CCTV CAM	INSTALL	INSTALL	80' GS	80' GS	INSTALL
12	IL 53	NB	1455+73	103' RT	CAB-139	CABINET	N/A	INSTALL	N/A	CABINET FDN	INSTALL
13	IL 53	SB	1509+45	160' LT	CAB-141	CABINET	N/A	INSTALL	N/A	CABINET FDN	INSTALL
14	IL 53	SB	1509+74	164' LT	CCTV-IL53-13	PTZ CCTV CAM	INSTALL	INSTALL	80' GS	80' GS	INSTALL

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
ITS SCHEDULE OF DEVICES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	655
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-02**

**SCHEDULE OF HANDHOLES AND COMMUNICATION VAULTS**

CONTRACT	TYPE	ID	STATION	OFFSET	NORTHING	EASTING
62N91	CMV	CMV-01-01	1117+75	149' LT		
62N91	HANDHOLE	HHF-01-01	1118+68	153' LT		
62N91	CMV	CMV-01-01A	1130+58	146' LT		
62N91	HANDHOLE	HHF-01-01A	1131+10	158' LT		
62N91	CMV	CMV-01-02	1133+00	189' LT		
62N91	HANDHOLE	HHF-01-02	1133+04	206' LT		
62N91	CMV	CMV-01-03	1134+07	146' LT		
62N91	HANDHOLE	HHF-01-03	1134+10	175' LT		
62N91	HANDHOLE	HHF-01-04	1141+86	139' LT		
62N91	CMV	CMV-01-04	1142+37	125' LT		
62N91	CMV	CMV-01-05	107+07	66' RT		
62N91	HANDHOLE	HHF-01-05	591+55	27' RT		
62N91	CMV	CMV-04-01	1411+06	75' LT		
62N91	HANDHOLE	HHF-04-01	14+52	85' LT		
62N91	CMV	CMV-04-02	1007+34	67' RT		
62N91	HANDHOLE	HHF-04-02	1007+19	69' RT		
62N91	CMV	CMV-04-03	1007+25	52' LT		
62N91	CMV	CMV-04-04	1438+54	136' LT		
62N91	CMV	CMV-04-05	1442+95	96' LT		
62N91	HANDHOLE	HHF-04-05	1443+67	107' LT		
62N91	CMV	CMV-04-06	98+14	57' RT		
62N91	HANDHOLE	HHF-04-06	97+95	57' RT		
62N91	CMV	CMV-04-07	98+17	63' LT		
62N91	HANDHOLE	HHF-04-07	97+97	63' LT		
62N91	CMV	CMV-04-08	1456+08	101' LT		
62N91	HANDHOLE	HHF-04-08	1456+37	100' LT		
62N91	CMV	CMV-04-09	1456+15	95' RT		
62N91	HANDHOLE	HHF-04-09	1456+37	112' RT		
62N91	CMV	CMV-04-10	1471+01	93' RT		
62N91	CMV	CMV-04-11	1470+98	89' LT		
62N91	CMV	CMV-04-12	93+86	68' RT		
62N91	CMV	CMV-04-13	13+13	28' RT		
62N91	HANDHOLE	HHF-04-13	12+37	55' RT		

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
 ITS SCHEDULE OF DEVICES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	656
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-03**

ITEM	UNIT	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	5
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,535
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	3,110
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	9,258
CONDUIT ATTACHED TO STRUCTURE, 6" DIA., GALVANIZED STEEL	FOOT	30
CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 6" DIA.	FOOT	100
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	670
CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	1,040
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	4
HEAVY-DUTY HANDHOLE	EACH	14
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	10,875
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	21,630
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	4
CONCRETE FOUNDATION, TYPE A	FOOT	15
DRILL EXISTING HANDHOLE	EACH	4
REMOVE EXISTING HANDHOLE	EACH	42
REMOVE EXISTING CONCRETE FOUNDATION	EACH	15
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	7
CABINET, MODEL 334	EACH	7
CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, FOUNDATION, 80 FT. MOUNTING HEIGHT	FOOT	105
CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 80 FT. MOUNTING HEIGHT	EACH	7
MAINTAINING ITS DURING CONSTRUCTION	CAL MO	24
REMOVAL OF CABLE IN CONDUIT	FOOT	8,125
WIRELESS VEHICLE DETECTION SYSTEM	EACH	5
TERMINATE FIBER IN CABINET	EACH	84
LAYER III (NETWORK) SWITCH	EACH	7
INTERCEPT EXISTING CONDUIT	EACH	6
UNDERGROUND CONDUIT, MULTI-DUCT, 4-18MM MICRODUCTS	FOOT	42,898
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 32" X 12" X 8"	EACH	6
WOOD POLE, 25 FT, CLASS 4	EACH	19
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	1,881
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	415
FIBER OPTIC TERMINATION PANEL, 12 F OR 24F	EACH	7
FIBER OPTIC CABLE, MICRO, 144 FIBERS, SINGLE MODE	FOOT	46,743
FIBER OPTIC CABLE SPLICE - LATERAL	EACH	10
FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	6
FIBER OPTIC UTILITY MARKER	EACH	48
FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	275
CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334	EACH	7
REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	L SUM	1
COMMUNICATIONS VAULT	EACH	20

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DATE - 1/24/2025	REVISED -

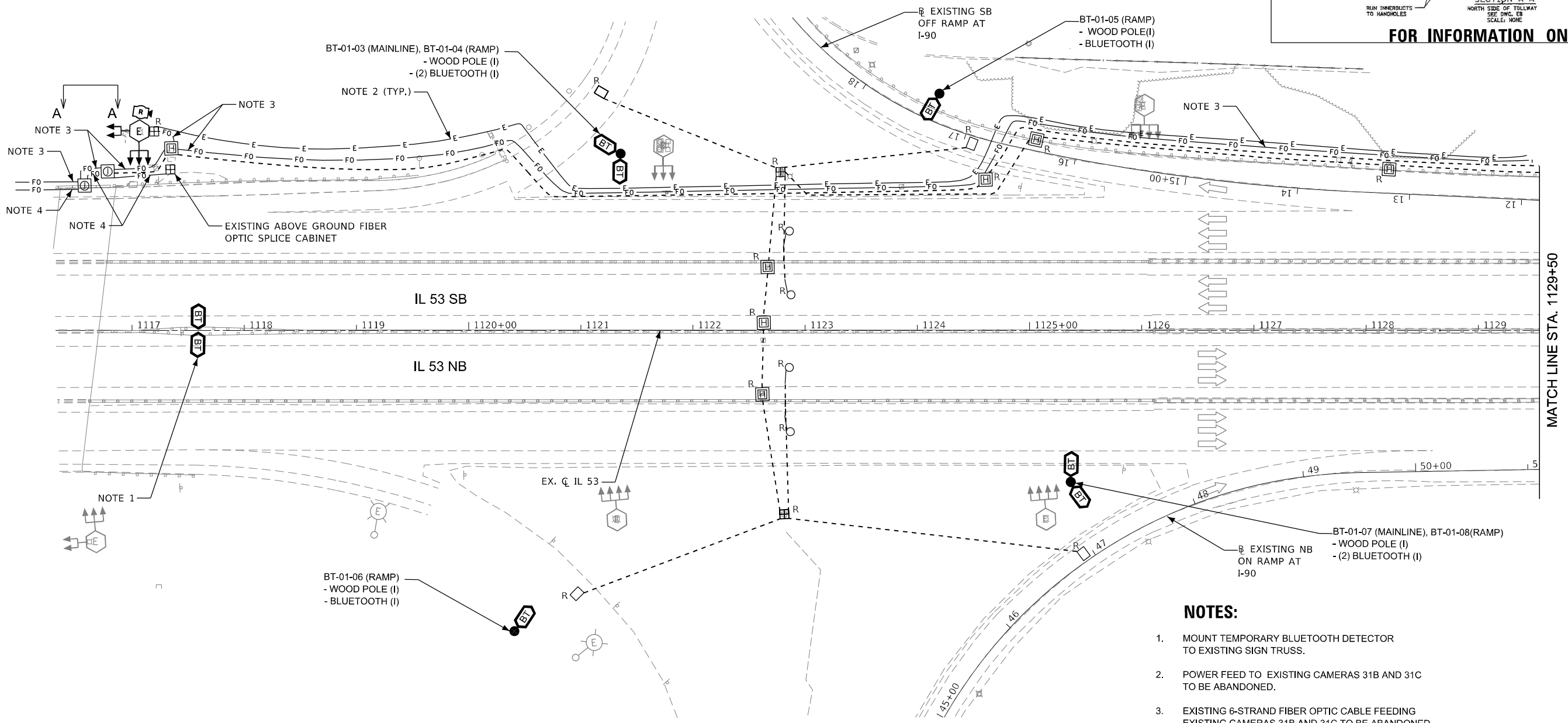
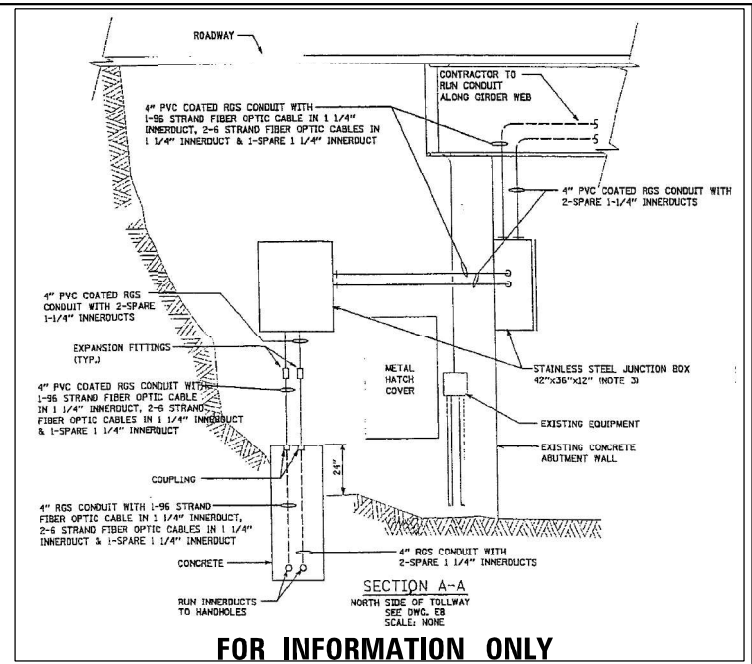
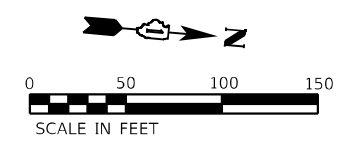
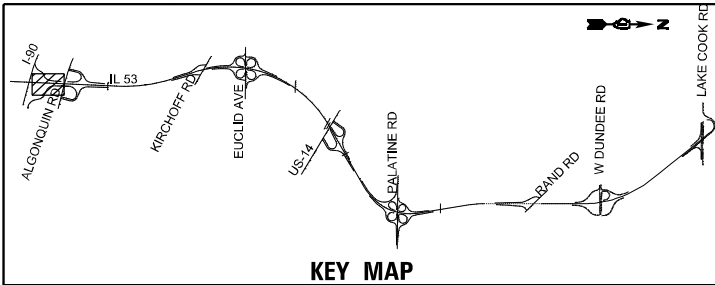
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	657
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-04**



- NOTES:**
1. MOUNT TEMPORARY BLUETOOTH DETECTOR TO EXISTING SIGN TRUSS.
  2. POWER FEED TO EXISTING CAMERAS 31B AND 31C TO BE ABANDONED.
  3. EXISTING 6-STRAND FIBER OPTIC CABLE FEEDING EXISTING CAMERAS 31B AND 31C TO BE ABANDONED.
  4. EXISTING 96-STRAND FIBER OPTIC CABLE TO REMAIN.

MATCH LINE STA. 1129+50

MODEL: D:\p\h\... FILE NAME: ILL1190\sect27\45\04\_CADD\CADD\_Sheets\Contract\_2\New\_SolentIS\_P\ANSI(D.62)N91-C2-Hot-rt-R-04.dwg



USER NAME = vnuirez	DESIGNED - SG	REVISED -
	DRAWN - MAG/VN	REVISED -
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

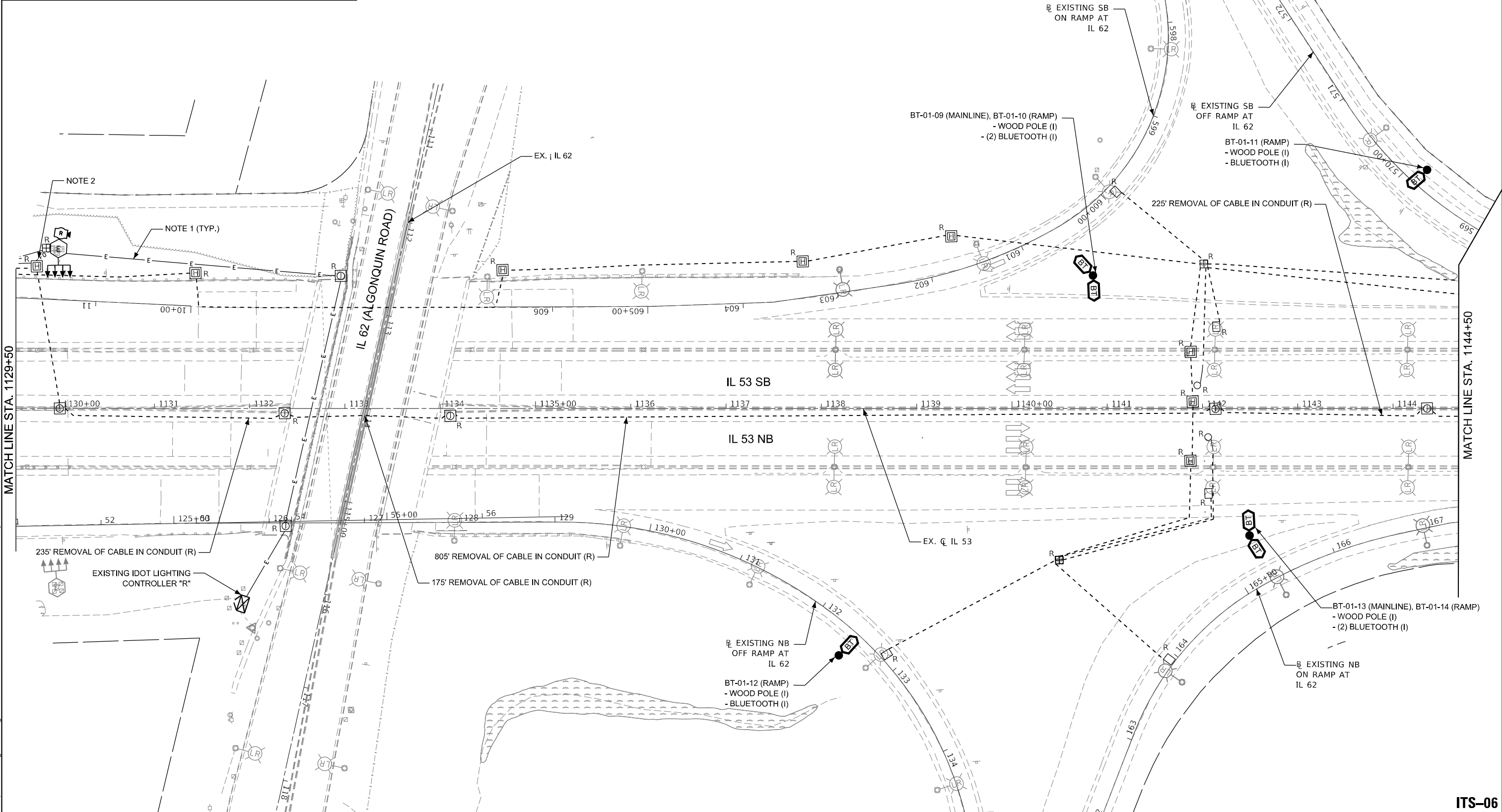
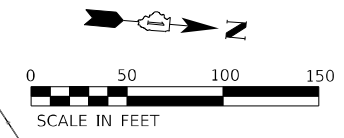
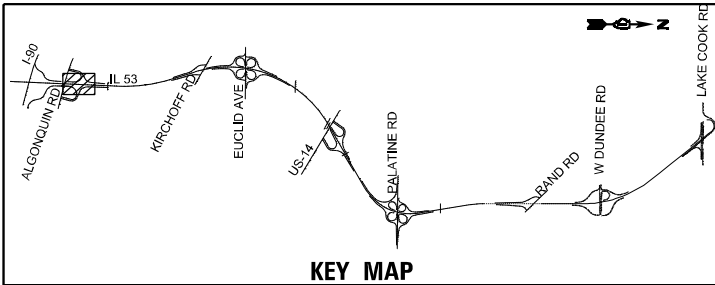
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53	
ITS REMOVAL AND TEMPORARY ITS PLAN	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	658
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-05





MODEL: D:\p\h\...  
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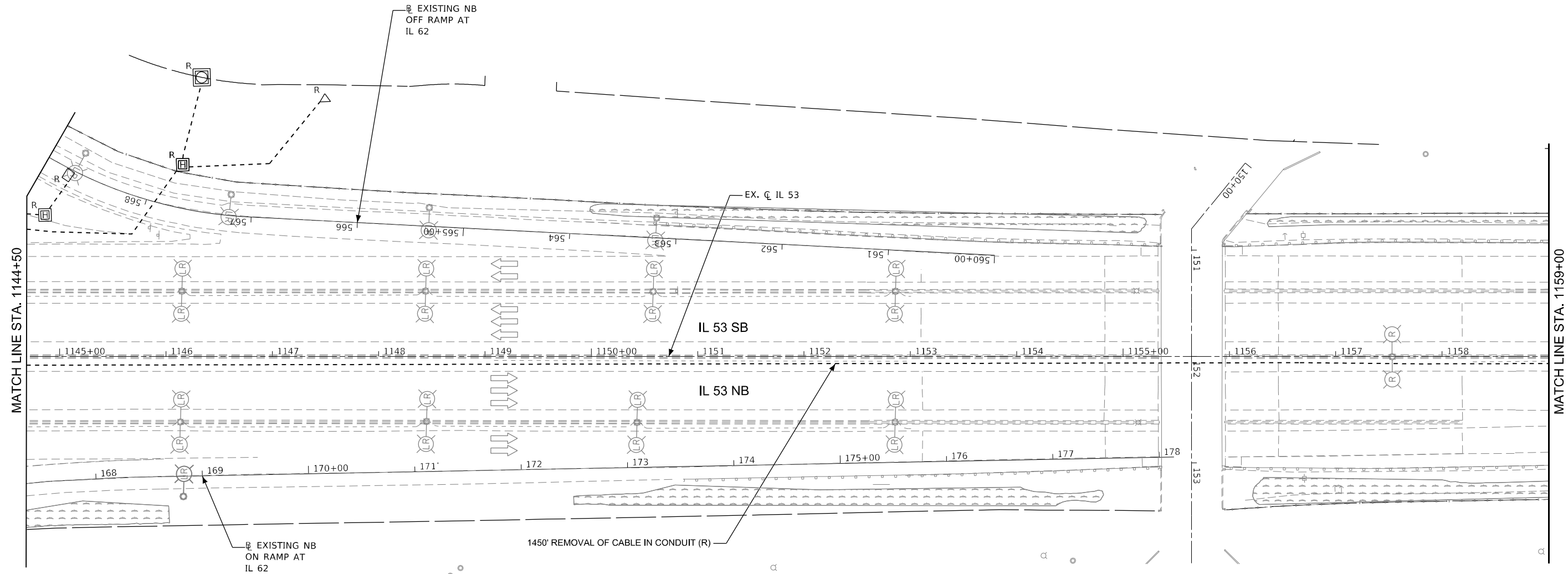
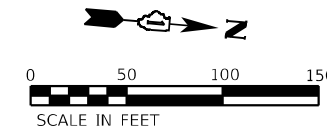
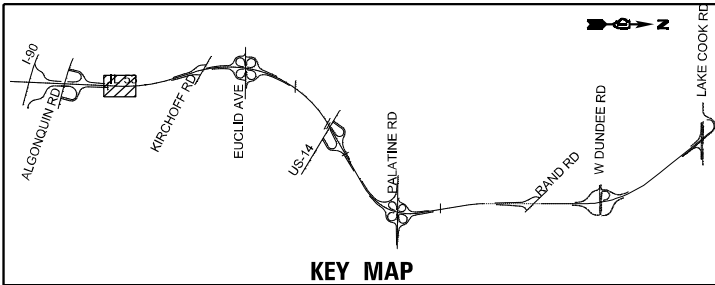
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PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 53</b>			
<b>ITS REMOVAL AND TEMPORARY ITS PLAN</b>			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 659
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-06**



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PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

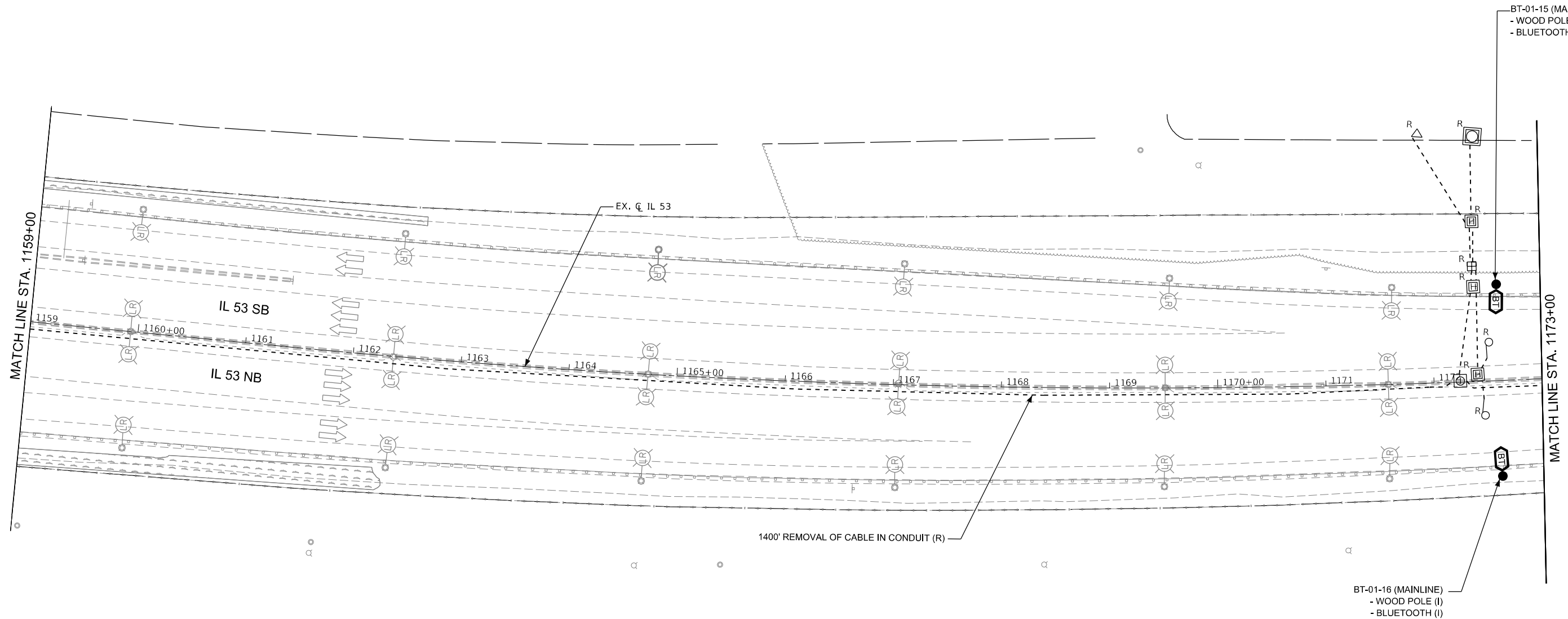
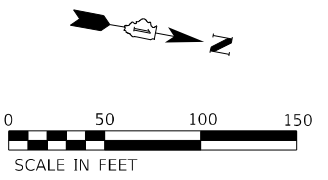
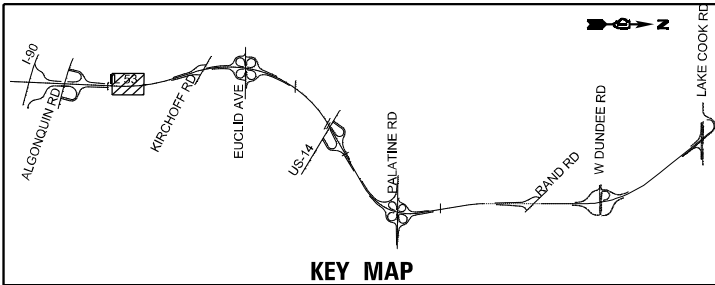
IL ROUTE 53  
ITS REMOVAL AND TEMPORARY ITS PLAN

SCALE: 1" = 50'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 660
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

ITS-07



MODEL: D:\p\h\...  
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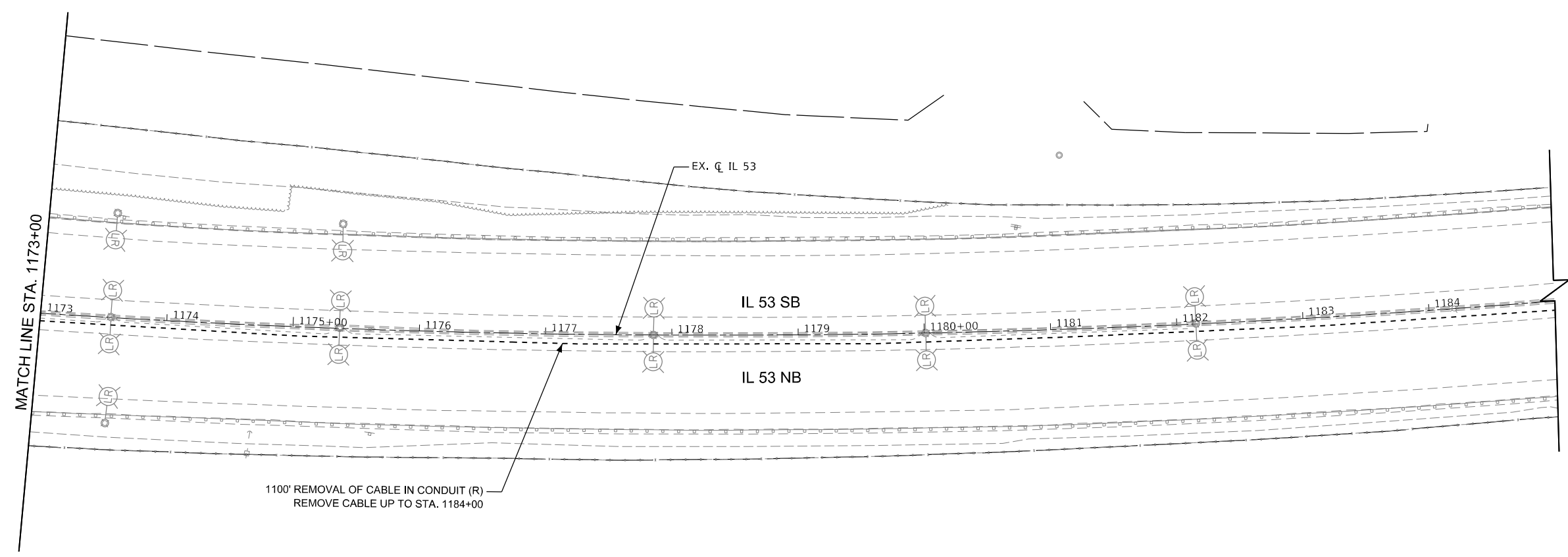
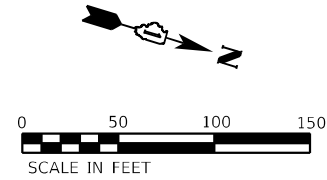
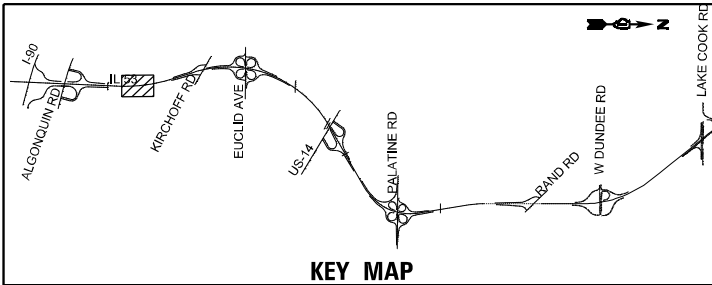
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PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 53</b> <b>ITS REMOVAL AND TEMPORARY ITS PLAN</b>			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 661
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-08**



MODEL Path: \\...  
 FILE NAME: \\...



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DRAWN - MAG/VN	REVISÉ -	
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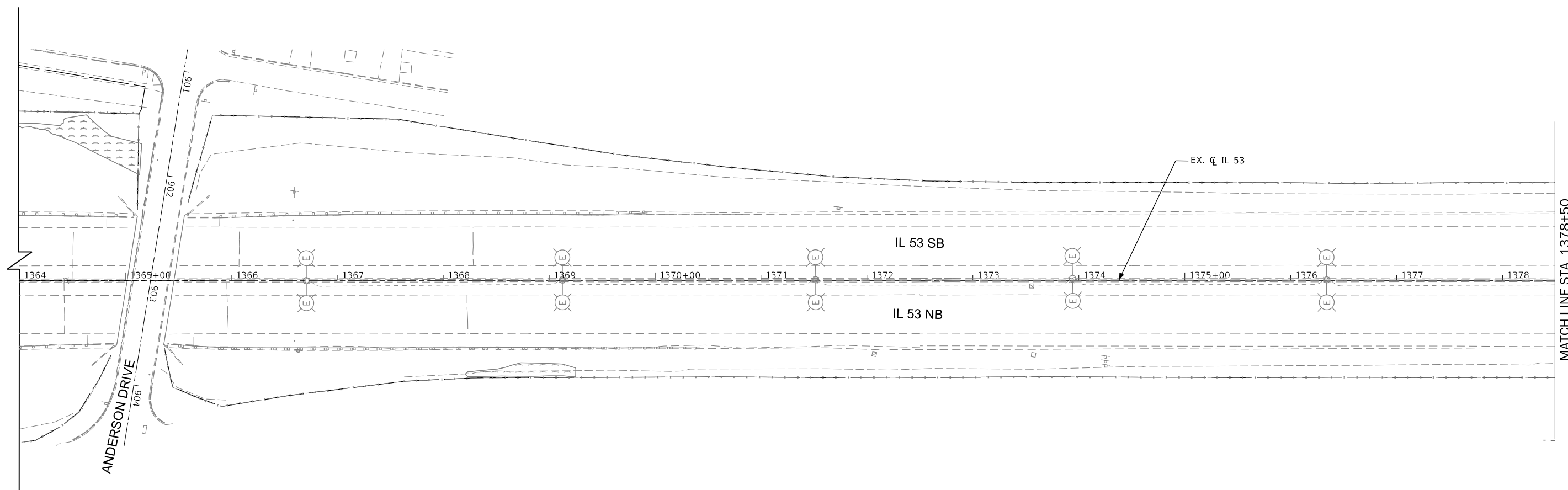
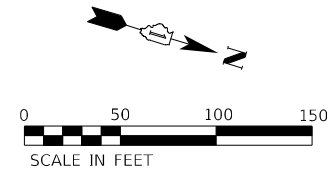
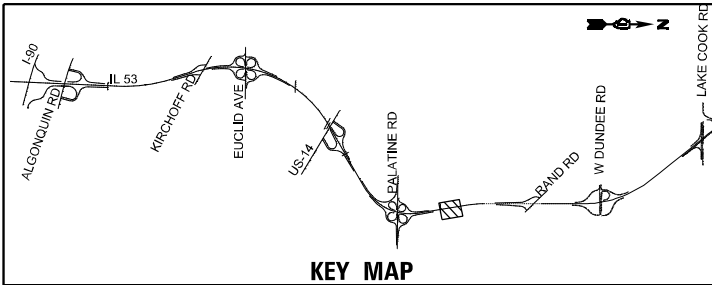
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	662
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-09**



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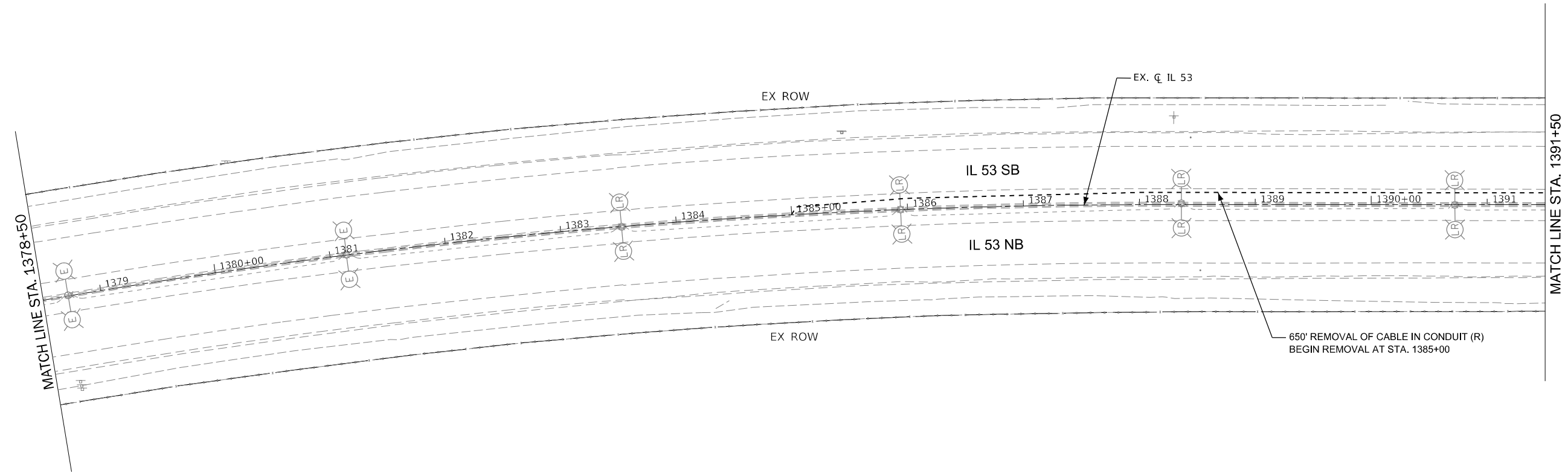
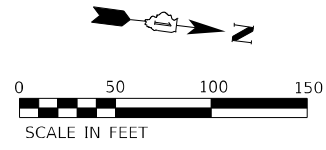
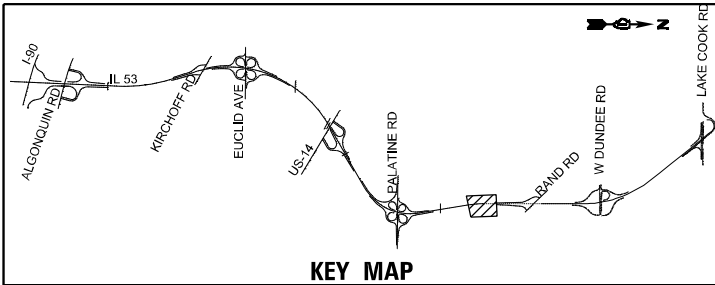
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DRAWN - MAG/VN	REVISIONS	REVISED -
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 53</b> <b>ITS REMOVAL AND TEMPORARY ITS PLAN</b>			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	663
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-10**



MODEL: D:\p\h\p\...  
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DRAWN - MAG/VN	CHECKED - RP	REVISED -
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PLOT DATE = 12/12/2024		

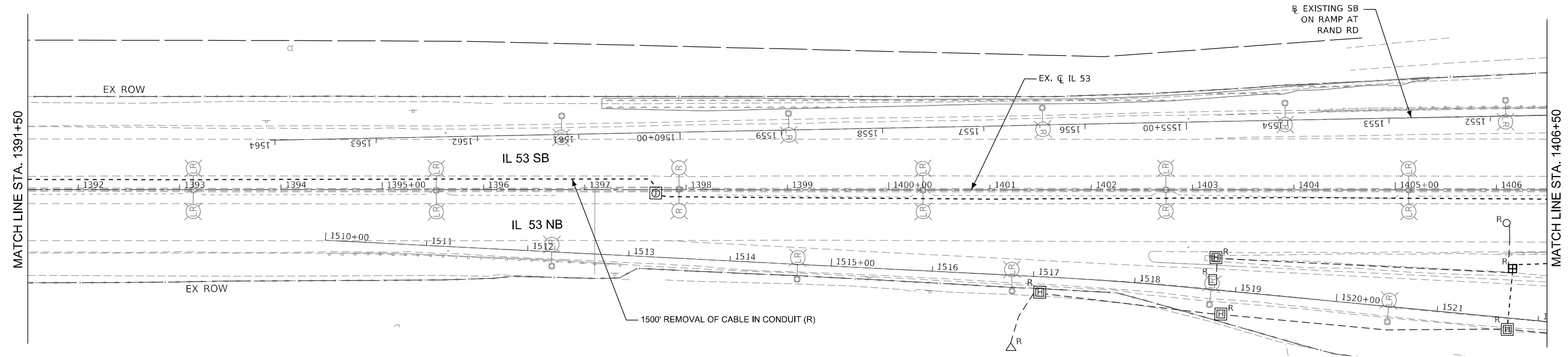
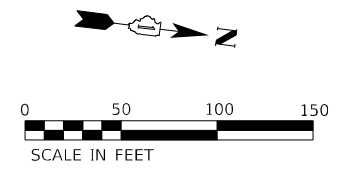
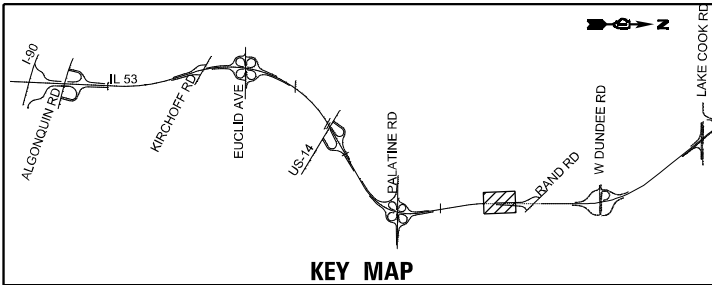
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS REMOVAL AND TEMPORARY ITS PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	664
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-11



MODEL: D:\p\h\...  
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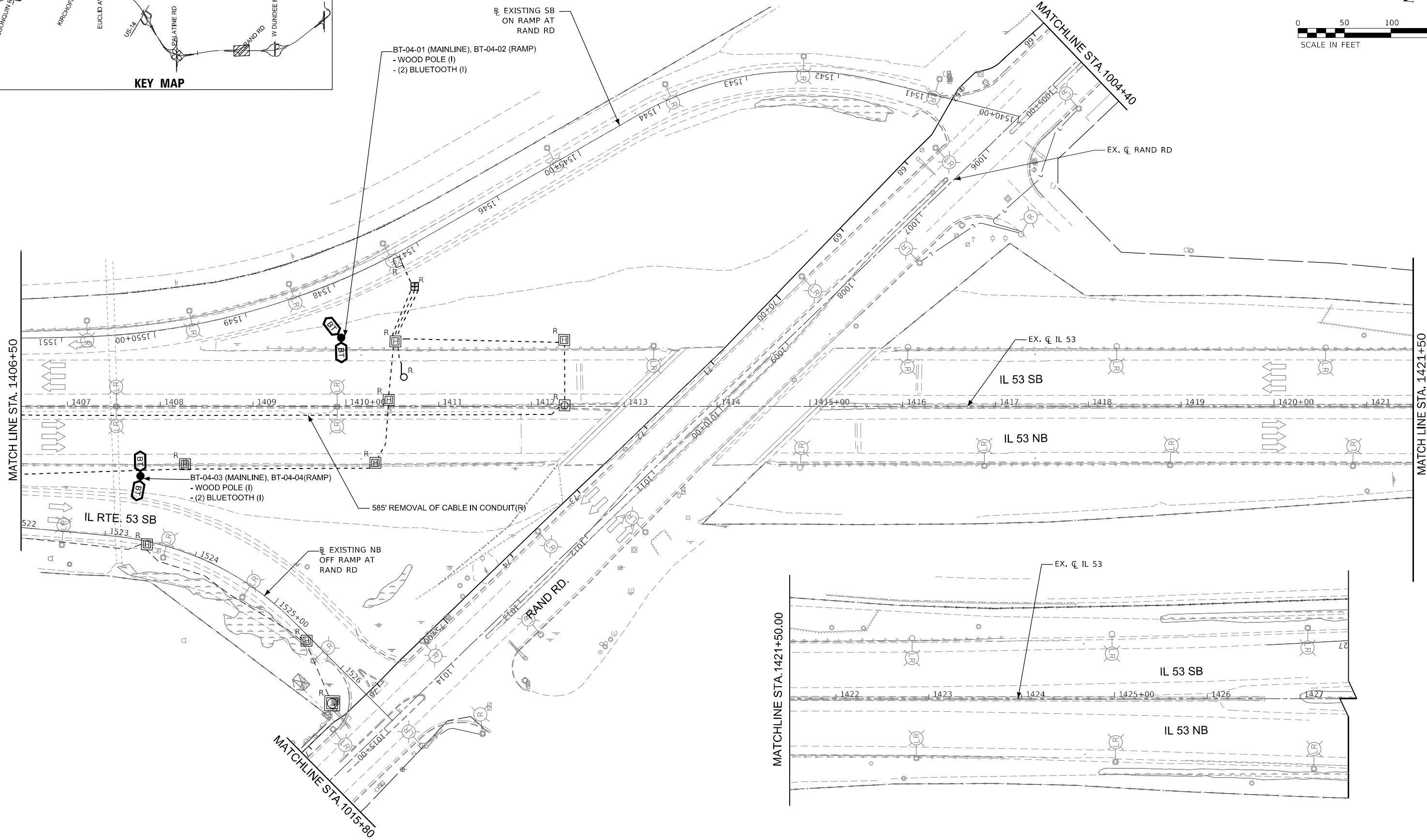
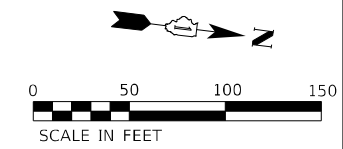
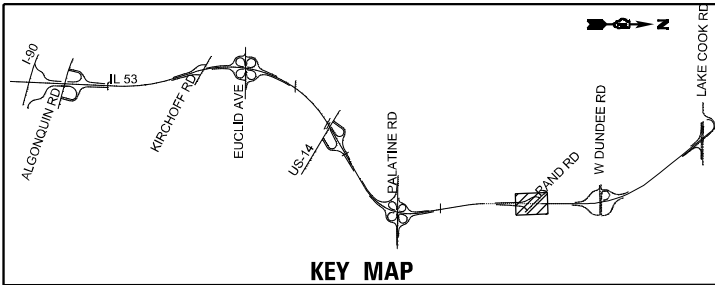
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DRAWN - MAG/VN	CHECKED - RP	REVISED -
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PLOT DATE = 12/12/2024		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 53</b> <b>ITS REMOVAL AND TEMPORARY ITS PLAN</b>			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA. 1391+50.00	TO STA.	1406+50.00	

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 665
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-12**



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PLOT SCALE = 100,0000' / in.	DRAWN - MAGVN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

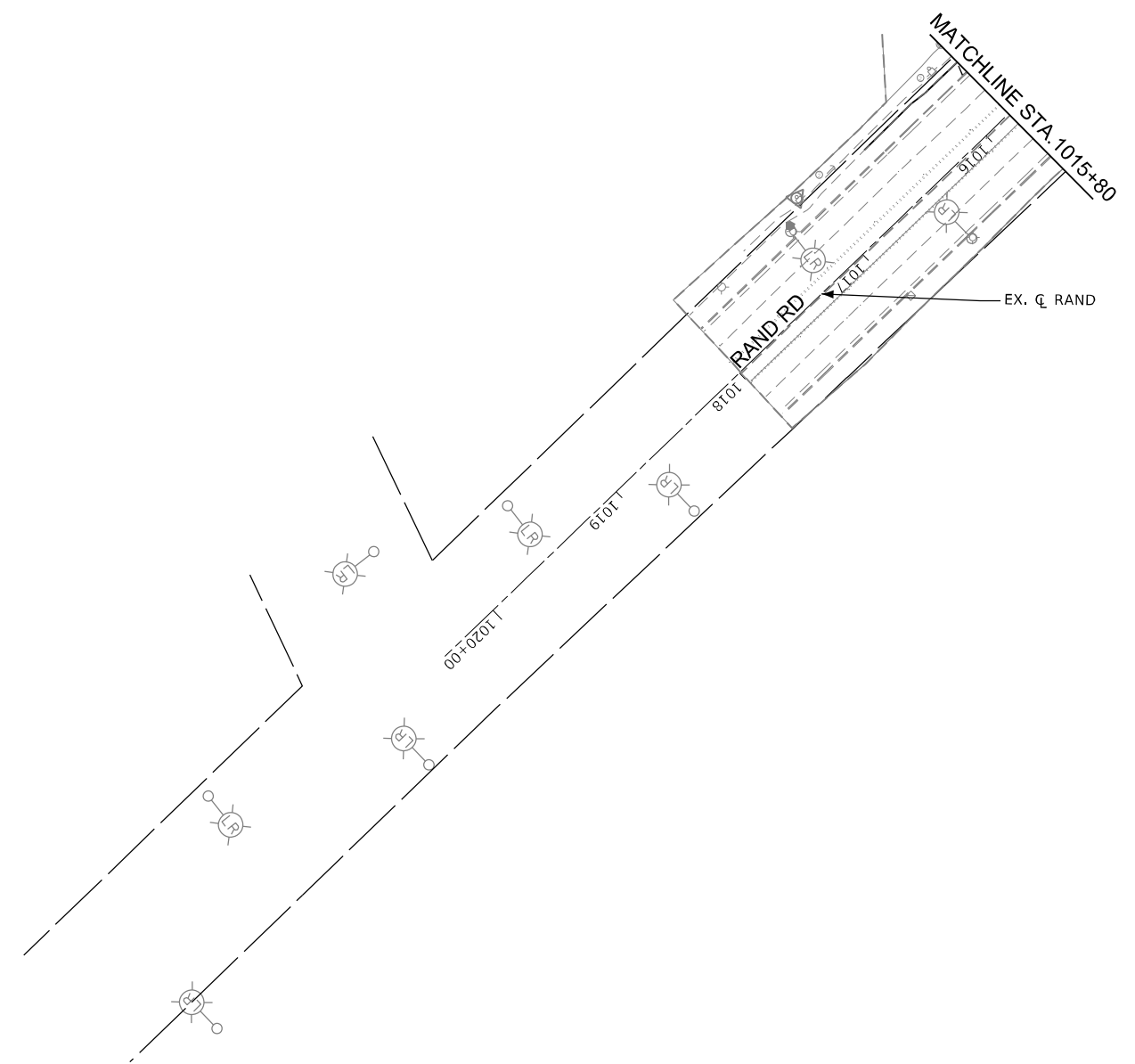
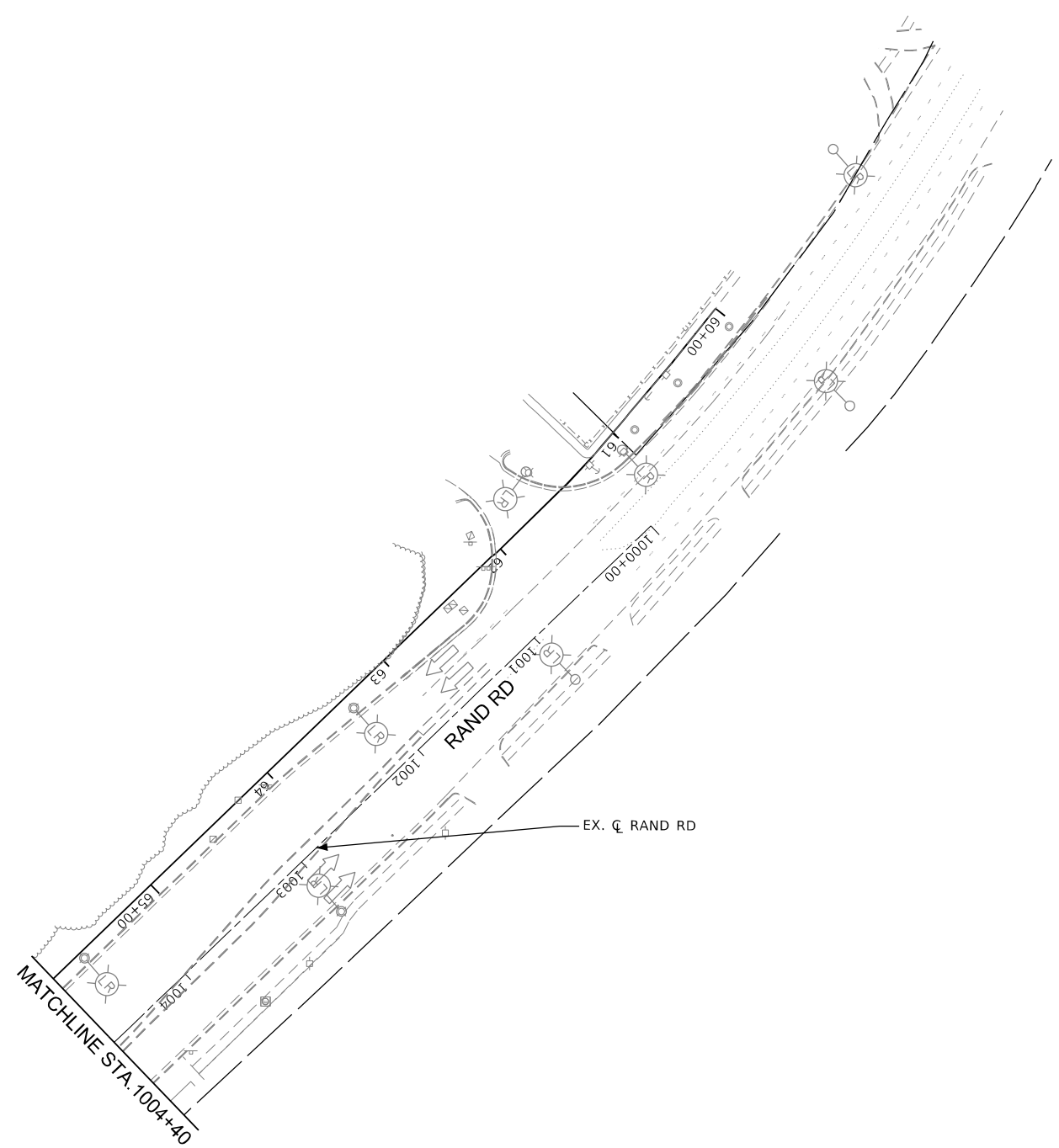
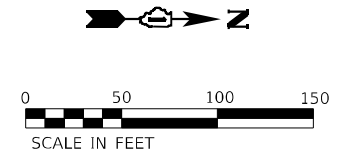
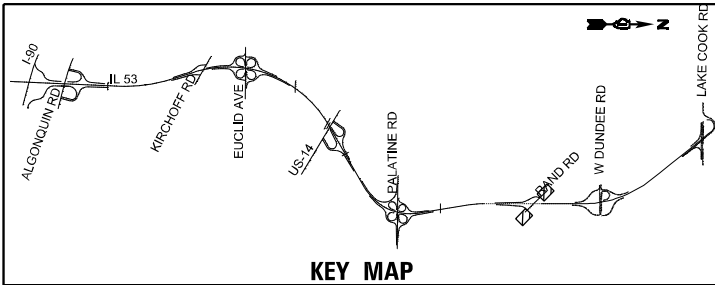
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53 ITS REMOVAL AND TEMPORARY ITS PLAN			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA. 1406+50.00	TO	STA. 1427+00.00	

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 666
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-13





MODEL: D:\p\h\...  
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PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

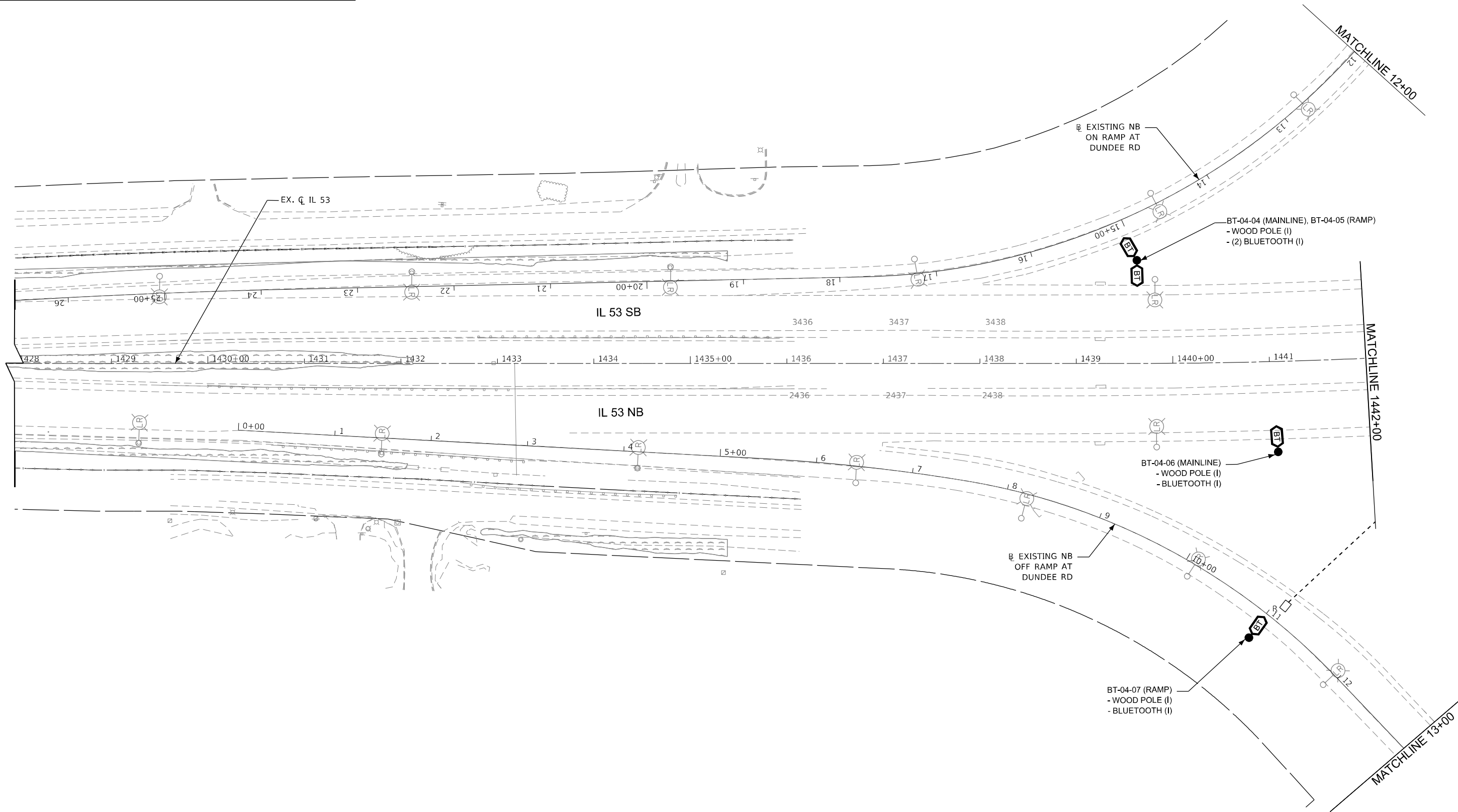
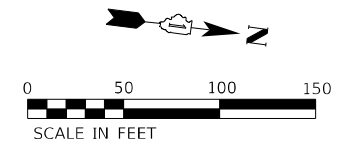
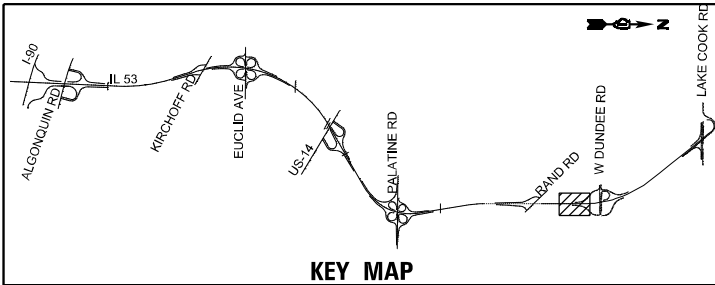
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS REMOVAL AND TEMPORARY ITS PLAN

SCALE: 1" = 50' SHEET 13 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 667
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-14



MODEL: D:\p\h\...  
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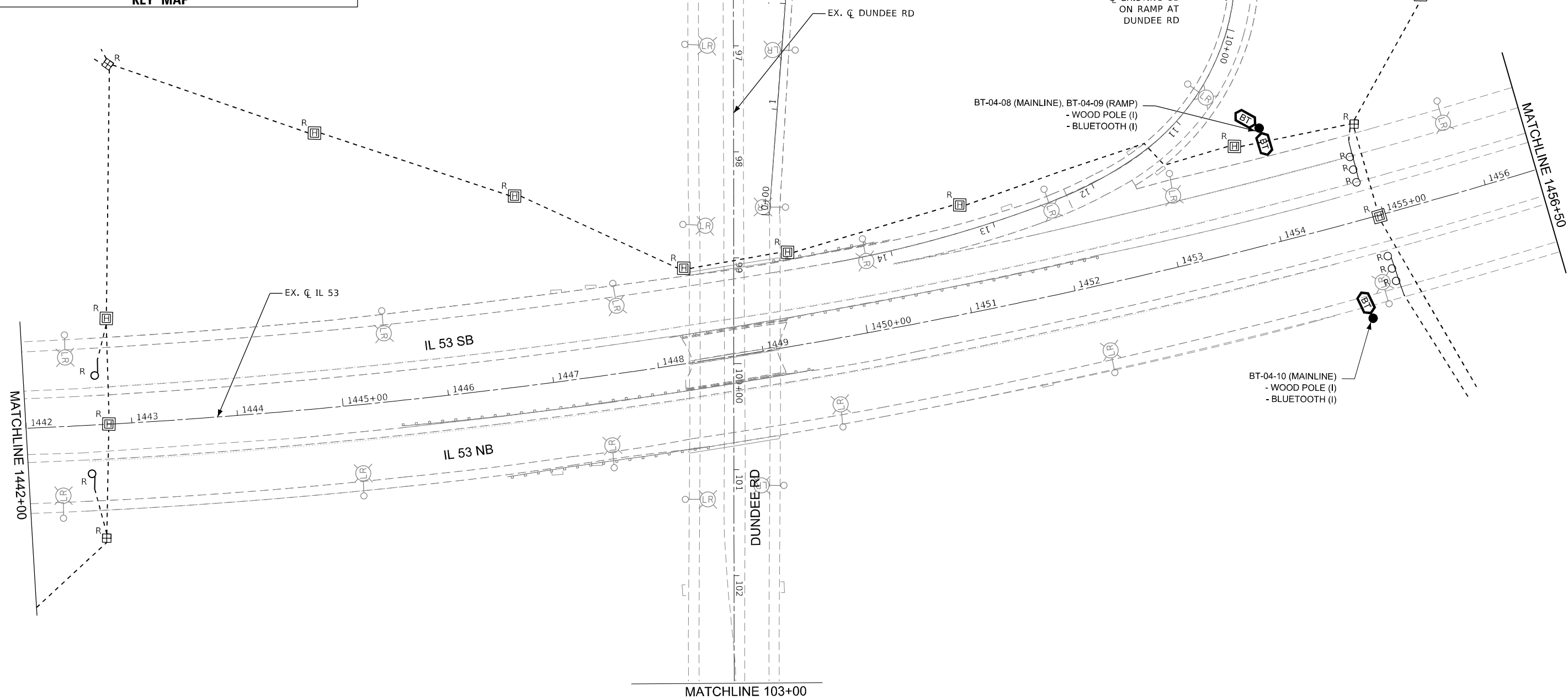
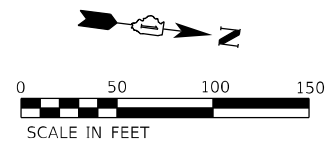
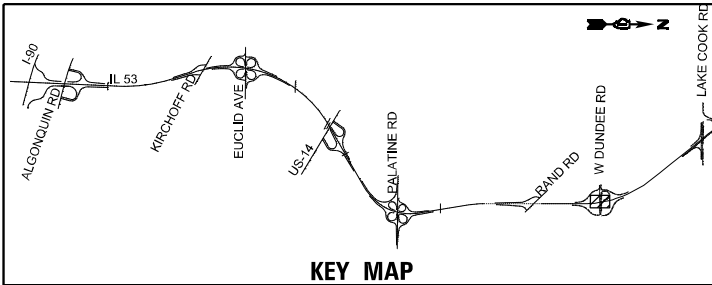
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DRAWN - MAG/VN	REVISED -	
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 53 ITS REMOVAL AND TEMPORARY ITS PLAN</b>			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 670
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-15**



MODEL: D:\p\h\...  
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DRAWN - MAG/VN	REVISÉD -	
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

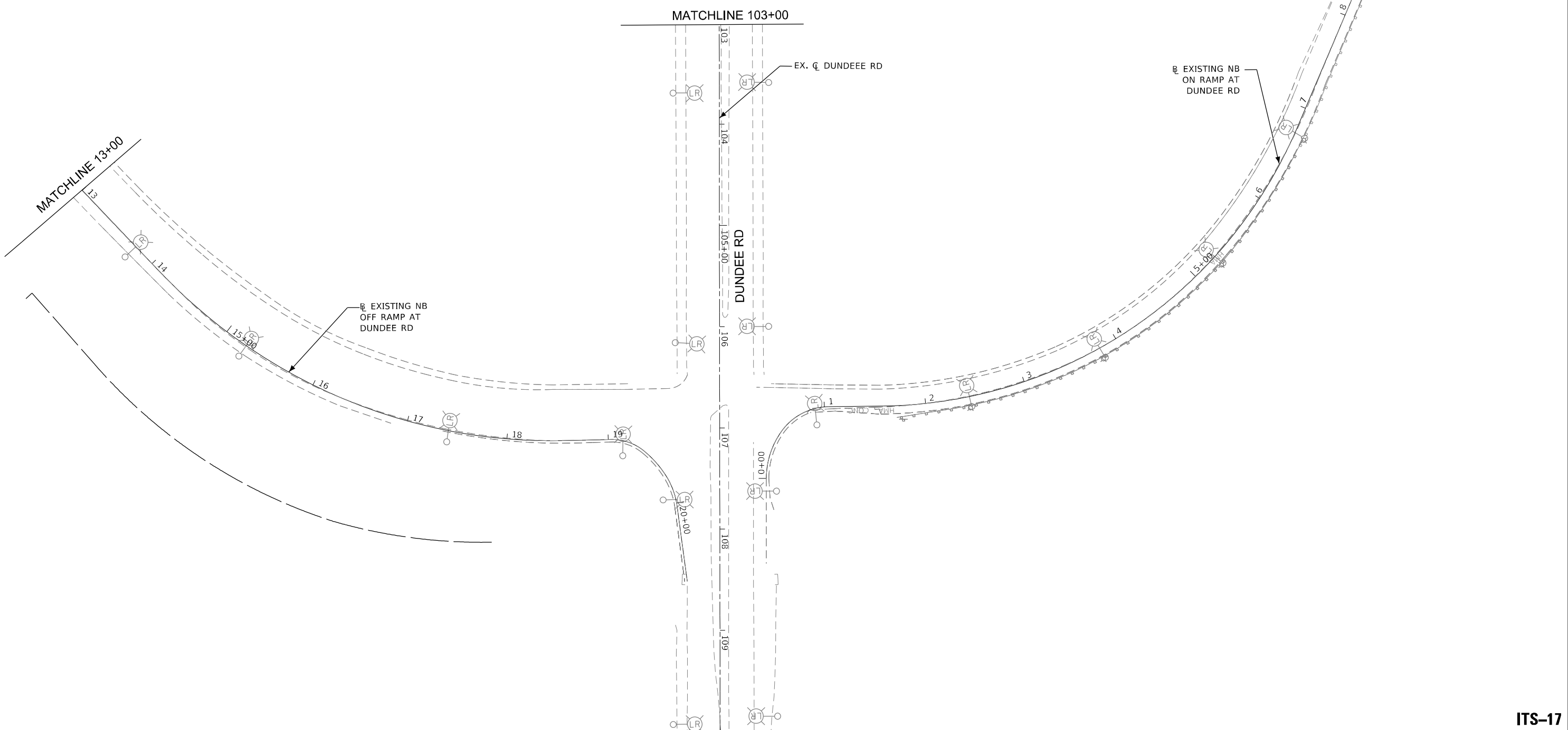
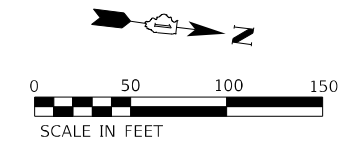
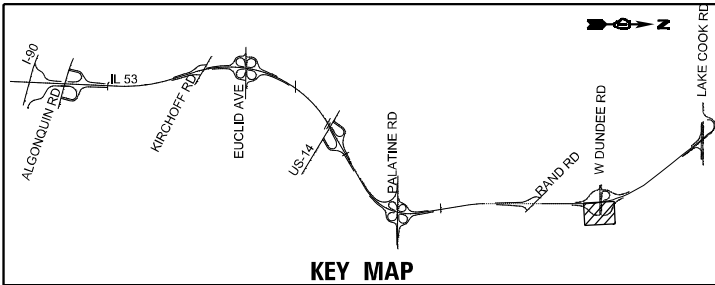
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: 1"=50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	669
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-16**



MODEL Path: H:\119\Projects\27145\04\_CADD\CADD\_Sheets\Contract\_2\New\_SolentIS\_PLANS\62N91-C2-High-Rise-15.dwg  
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DRAWN - MAG/VN	REVISIONS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - RP	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

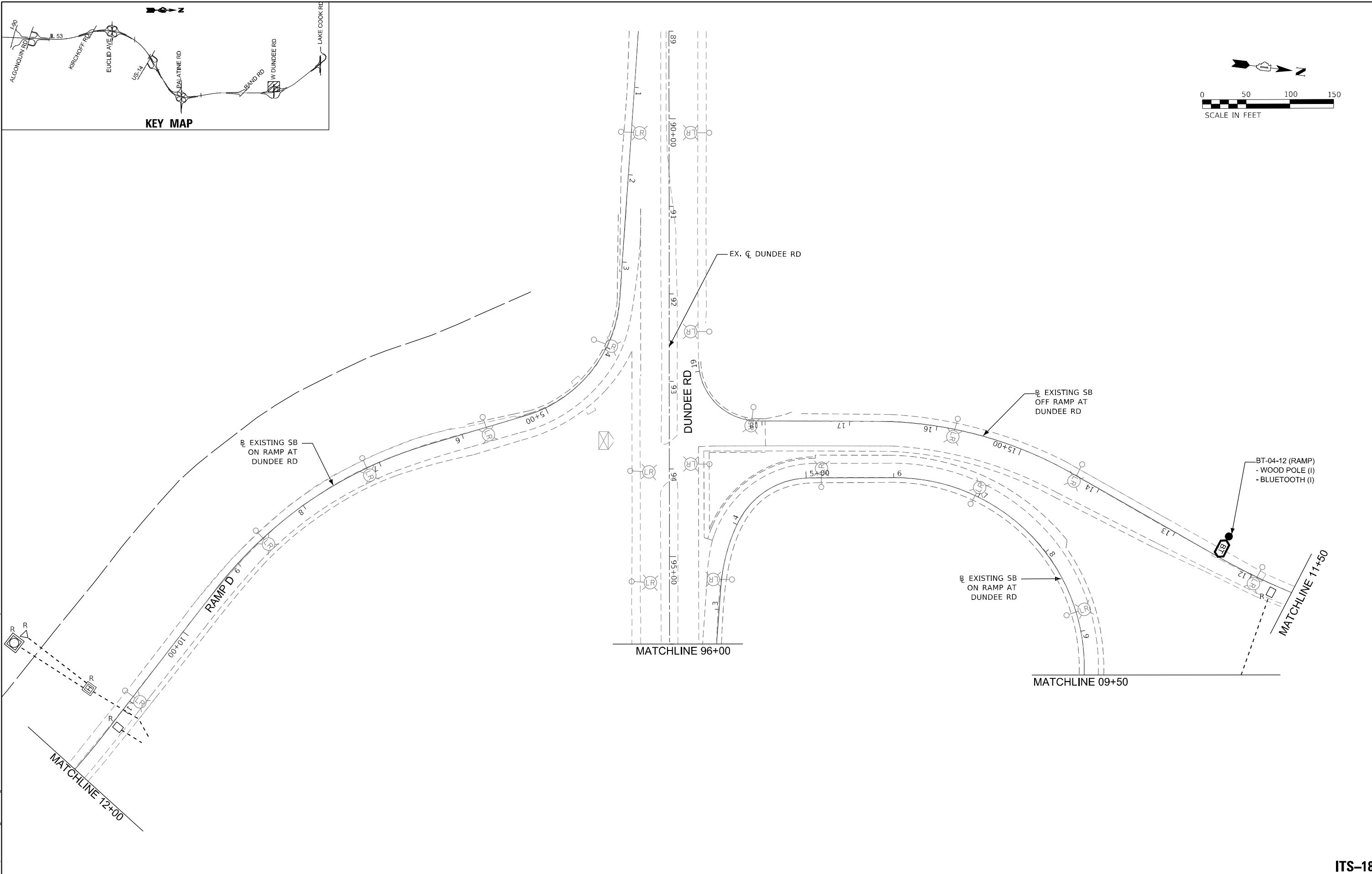
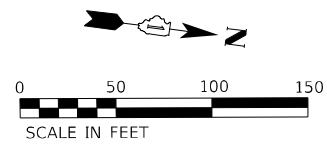
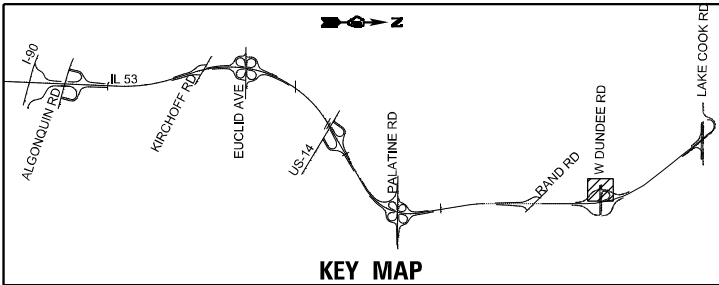
**IL ROUTE 53**  
**ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: 1" = 50'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 670
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-17**



MODEL: Default  
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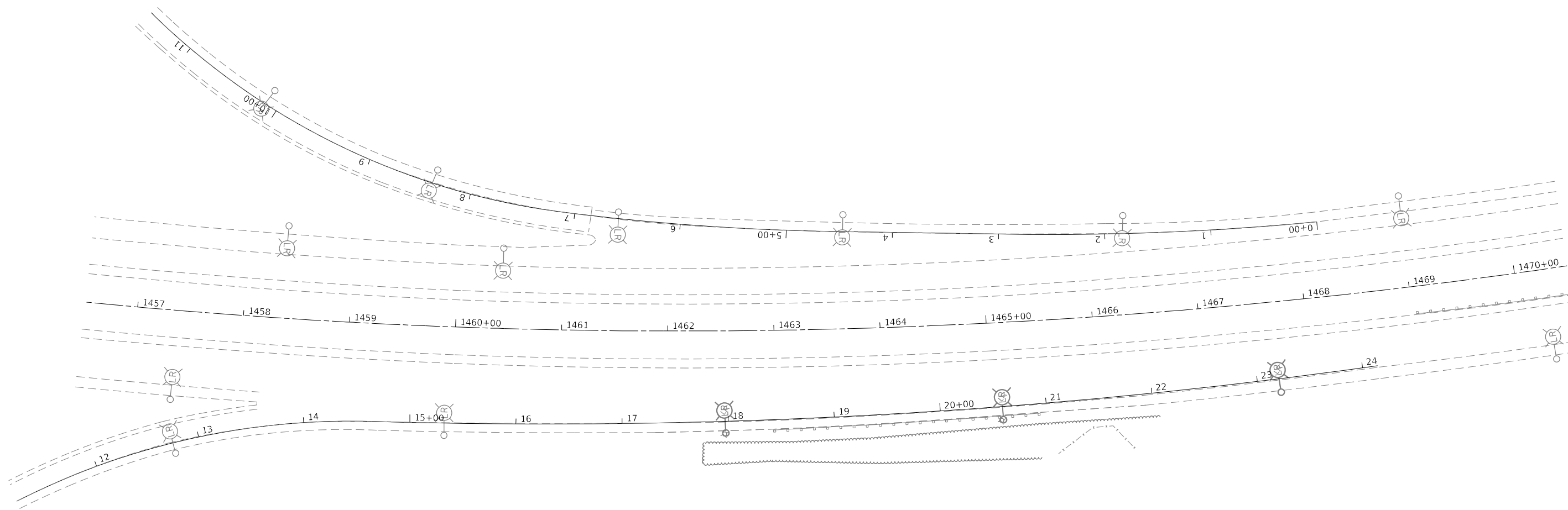
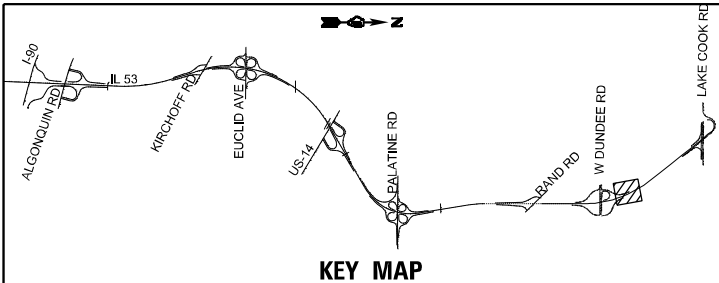
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	671
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



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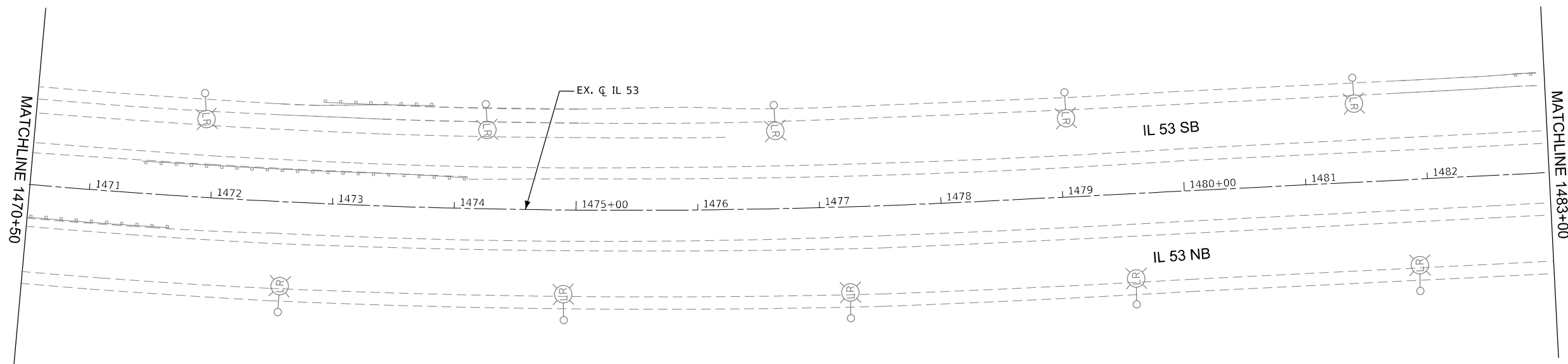
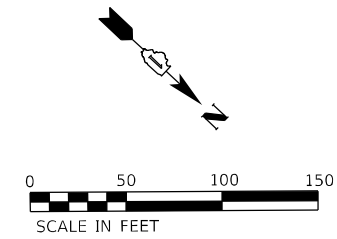
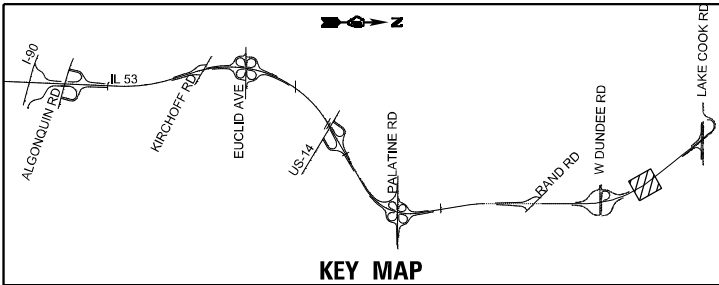
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DRAWN - MAG/VN	REVISIONS -	
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	672
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



MODEL: D:\p\h\p\...  
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DRAWN - MAG/VN	CHECKED - RP	REVISED -
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PLOT DATE = 12/12/2024		

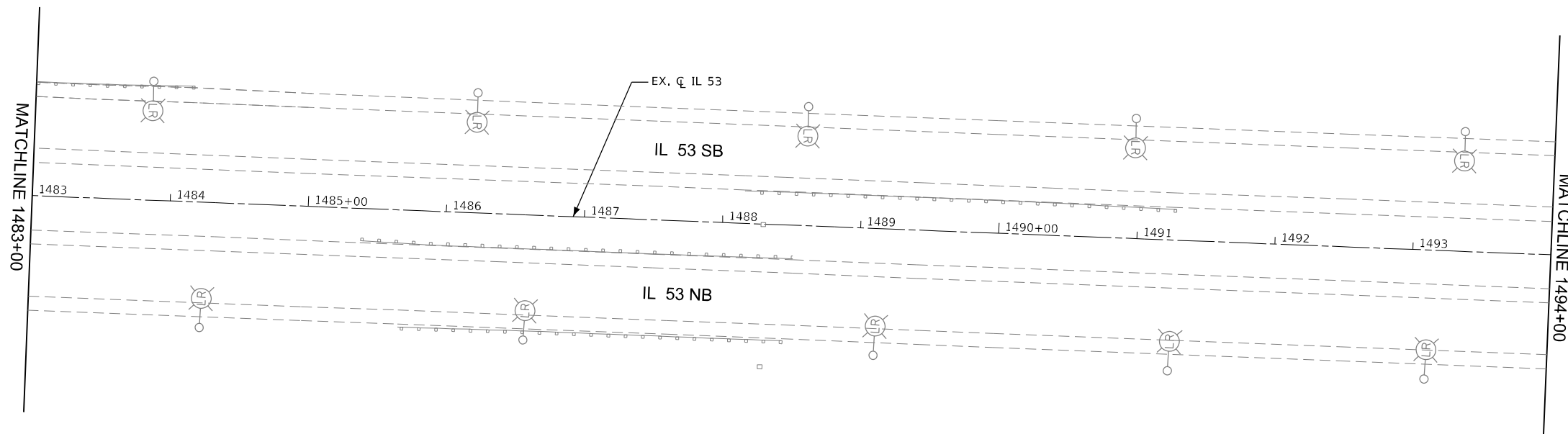
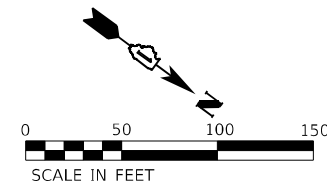
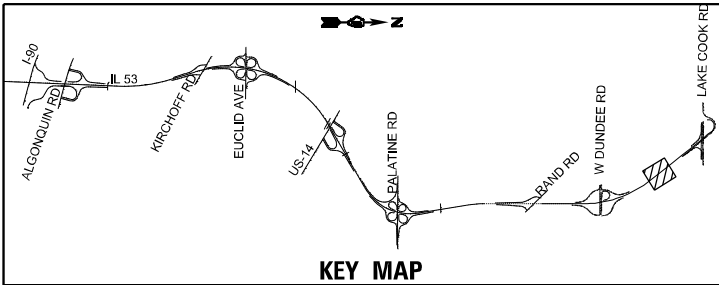
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	673
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N91	

**ITS-20**



MODEL Path: H:\11\Projects\27145\04\_CADD\CADD\_Sheets\Contract\_2\New\_Submittals\_PLANS\62N91-C2-Highway-Its-20.dgn  
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PLOT SCALE = 100,0000' / in.
PLOT DATE = 12/12/2024

DESIGNED - SG
DRAWN - MAG/VN
CHECKED - RP
DATE - 12/13/2024

REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

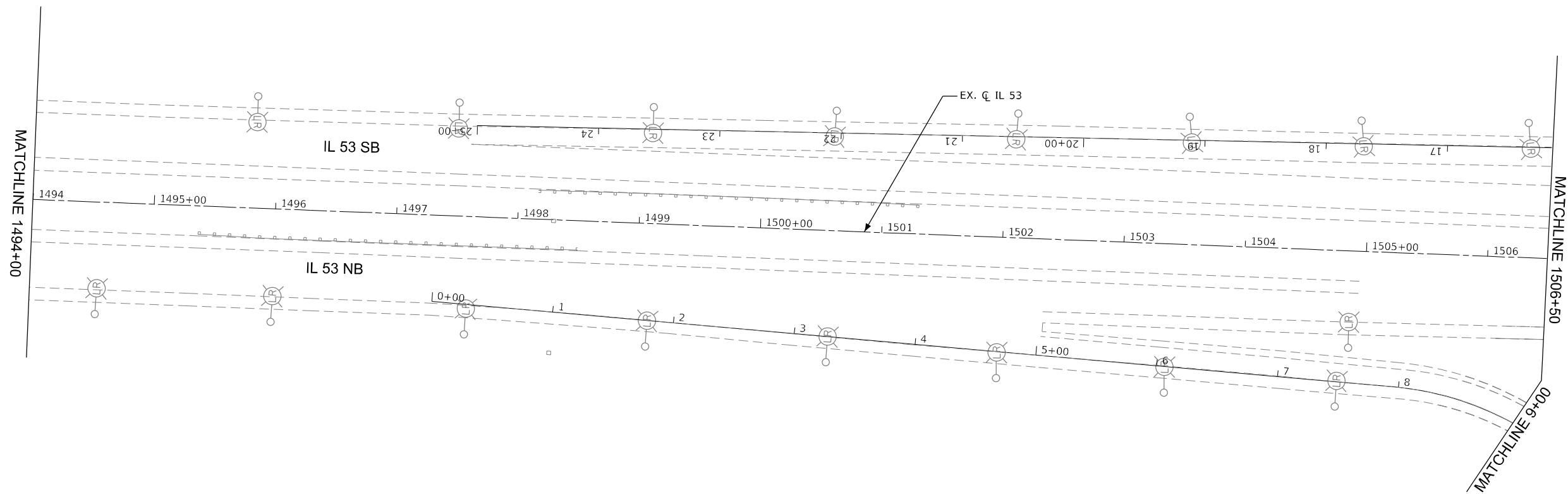
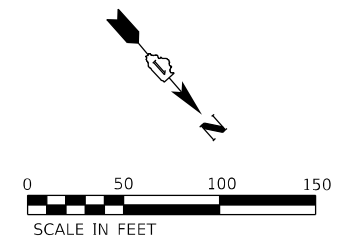
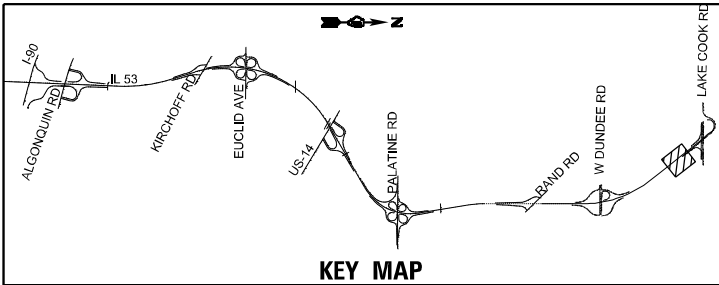
IL ROUTE 53  
ITS REMOVAL AND TEMPORARY ITS PLAN

SCALE: 1" = 50'      SHEET OF SHEETS      STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	674
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-21





MODEL Path\11  
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DRAWN - MAG/VN	REVISED -	
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

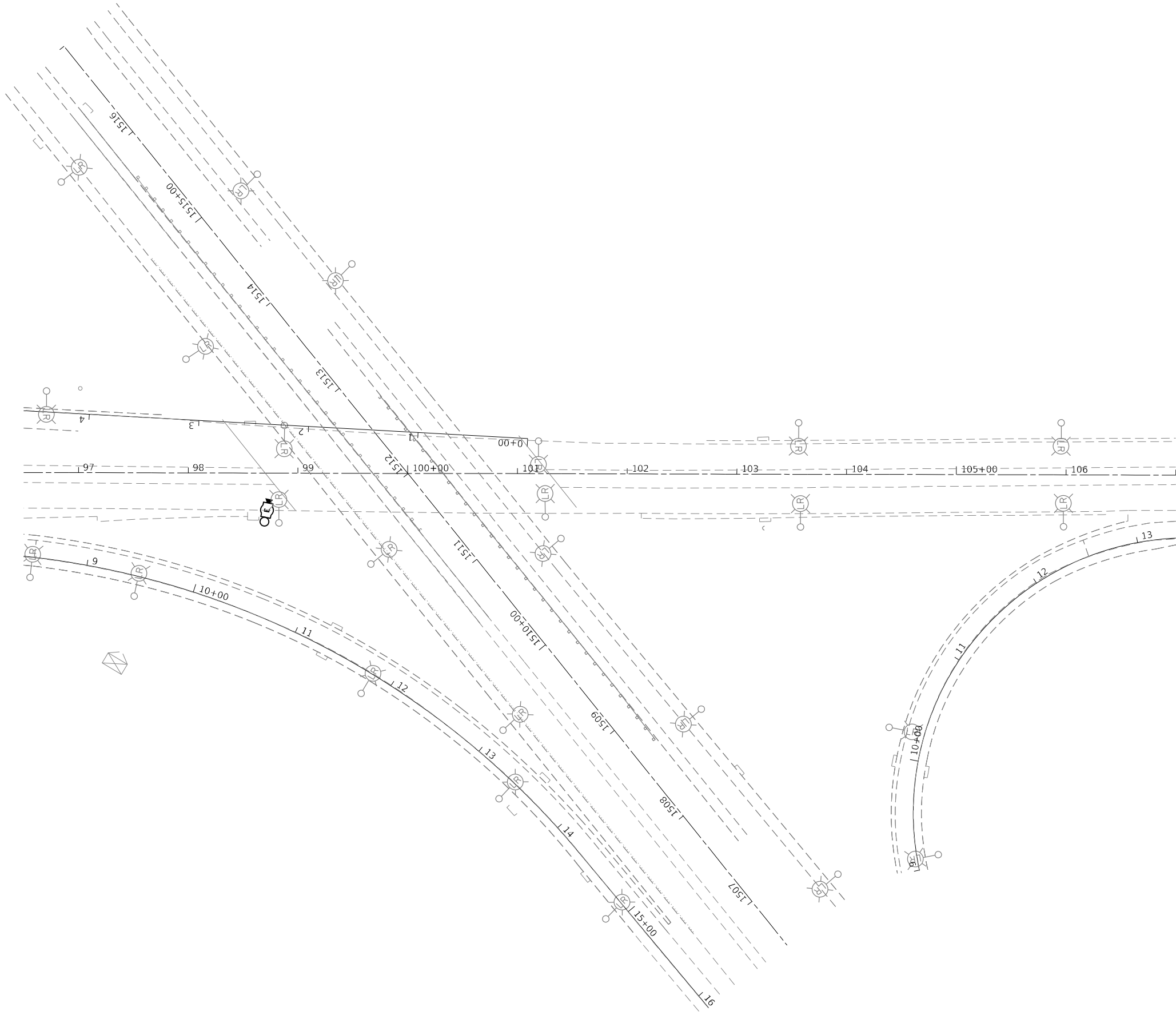
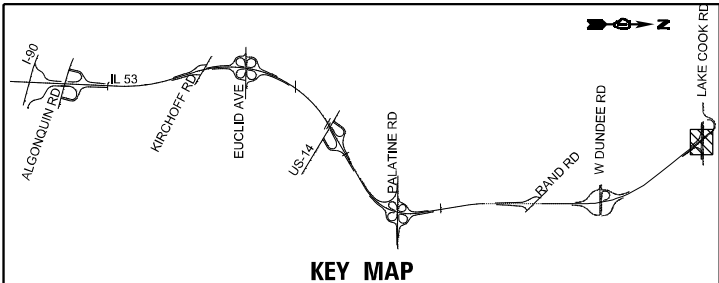
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: 1" = 60'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 675
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-22**



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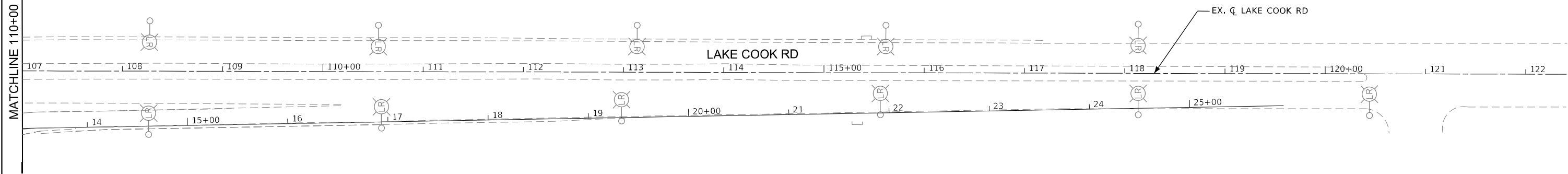
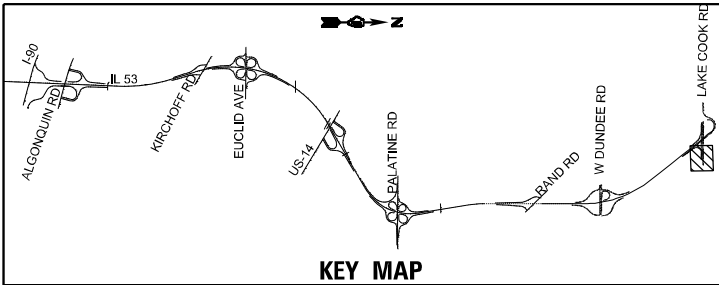
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	676
CONTRACT NO. 62N91				
ILLINOIS + 600. AID PROJECT				



MODEL Path: \\...  
 FILE NAME: \\...



USER NAME = vnuirez
PLOT SCALE = 100,0000' / in.
PLOT DATE = 12/12/2024

DESIGNED - SG	REVISED -
DRAWN - MAG/VN	REVISED -
CHECKED - RP	REVISED -
DATE - 12/13/2024	REVISED -

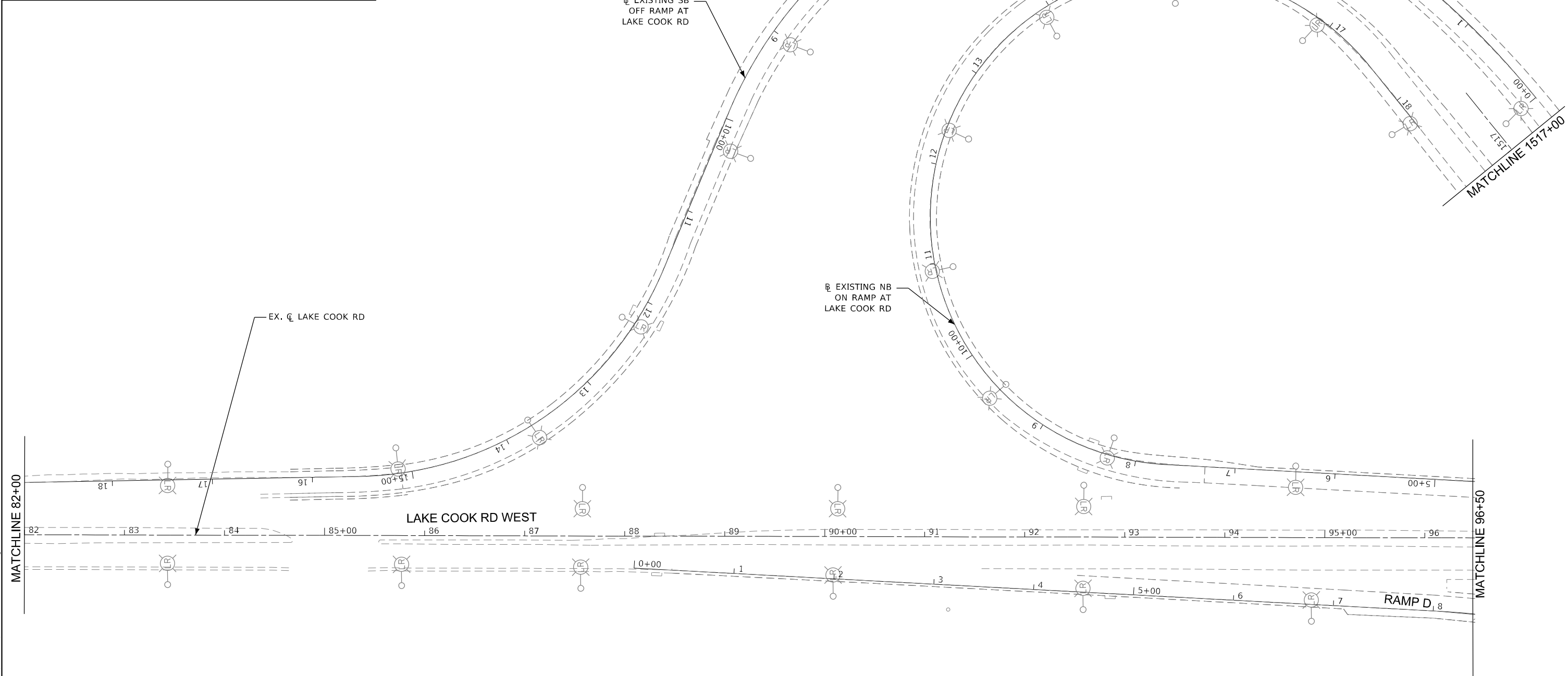
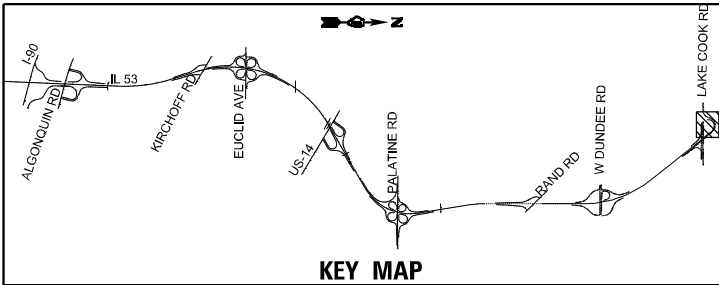
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS REMOVAL AND TEMPORARY ITS PLAN

SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	677
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-24

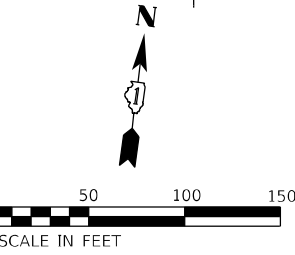


EXISTING SB OFF RAMP AT LAKE COOK RD

EXISTING NB ON RAMP AT LAKE COOK RD

EX. CL LAKE COOK RD

LAKE COOK RD WEST



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USER NAME = vnuñez
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PLOT DATE = 12/12/2024

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DRAWN - MAG/VN	REVISD -
CHECKED - RP	REVISD -
DATE - 12/13/2024	REVISD -

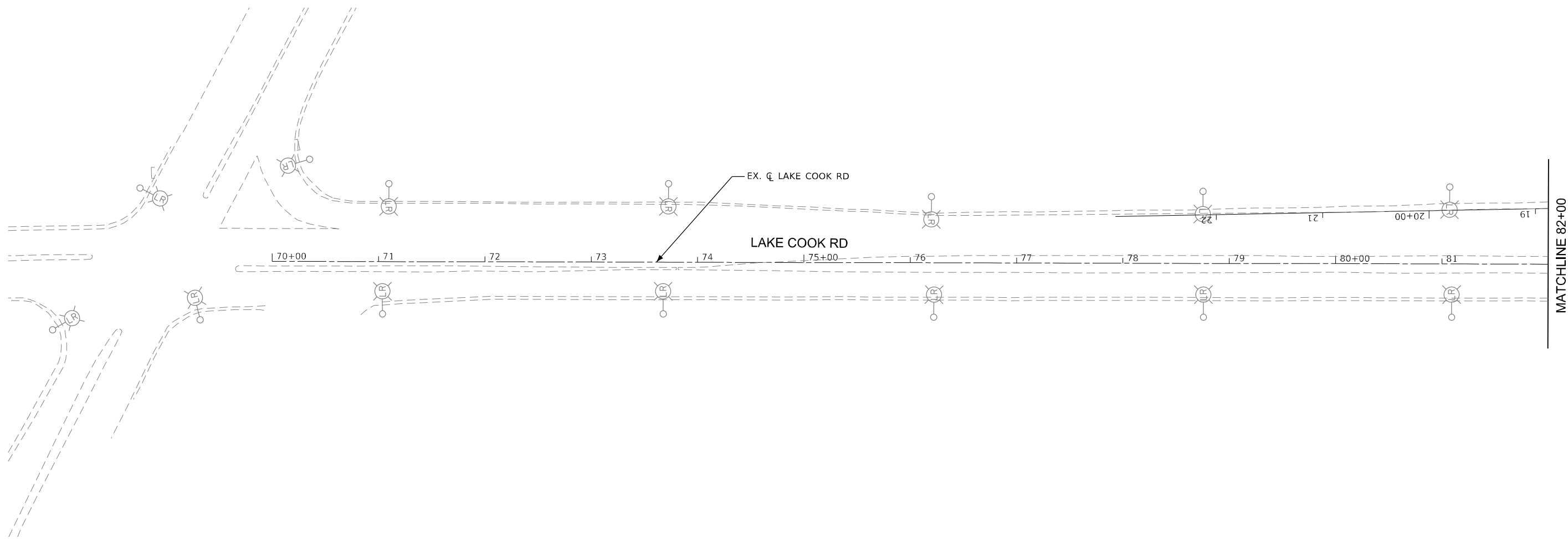
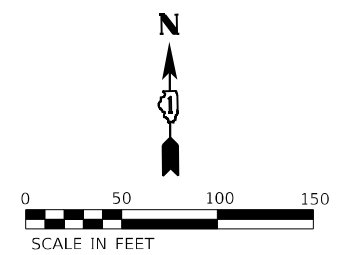
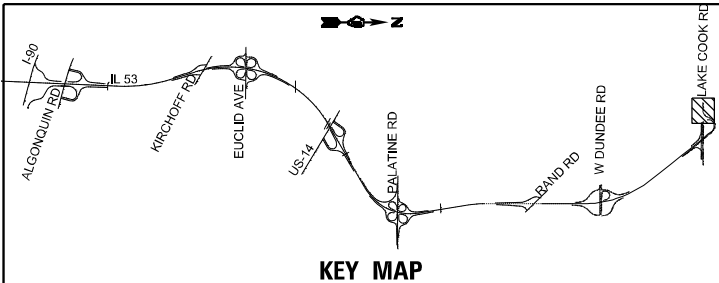
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS REMOVAL AND TEMPORARY ITS PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 678
CONTRACT NO. 62N91			ILLINOIS FED. AID PROJECT	

ITS-25



MODEL Path: H:\119\Projects\27145\04\_CADD\CADD\_Sheets\Contract\_2\New\_SolentIS\_PLANS\62N91-C2-Hot-rpt-25.dgn  
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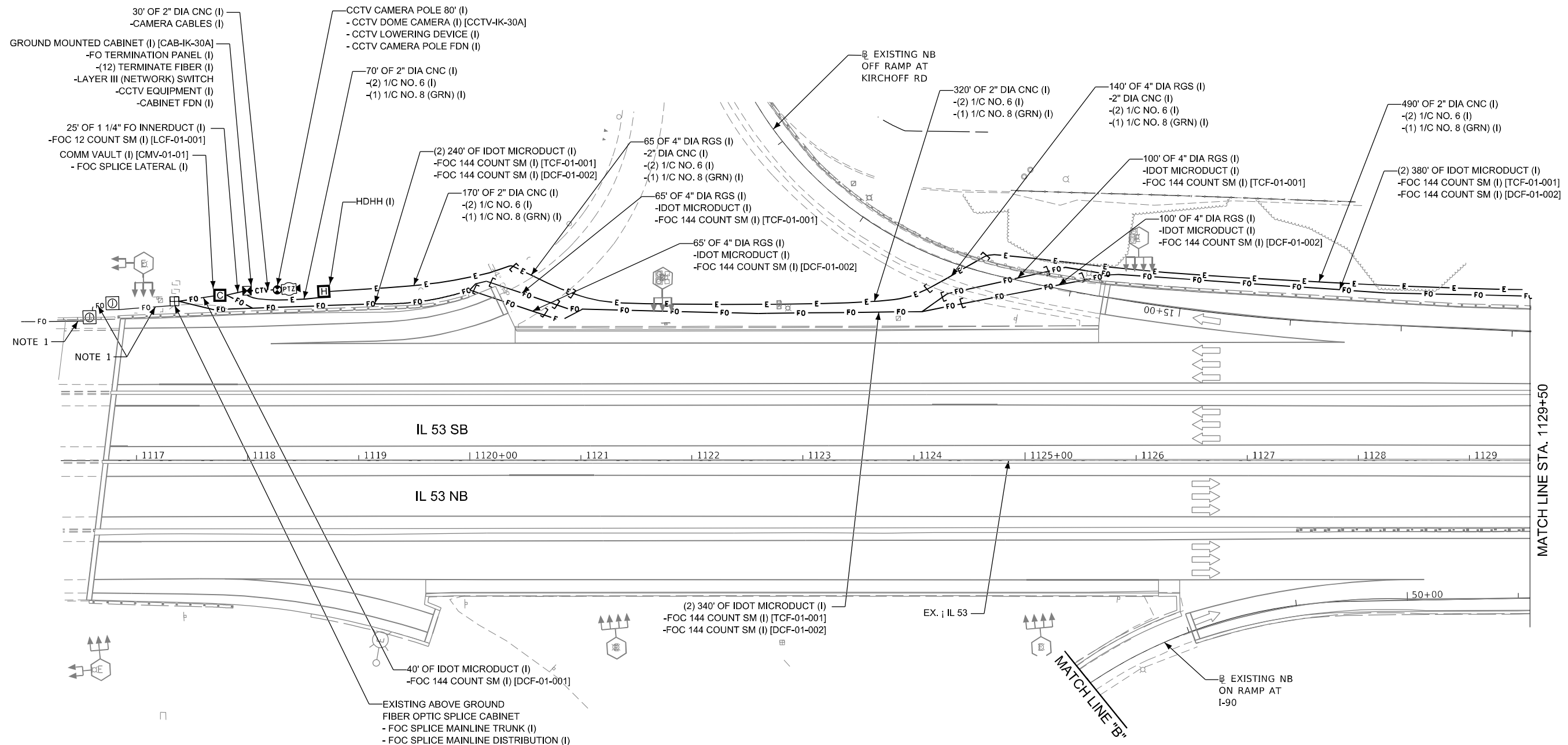
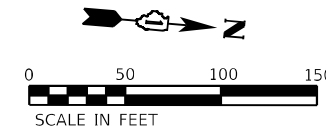
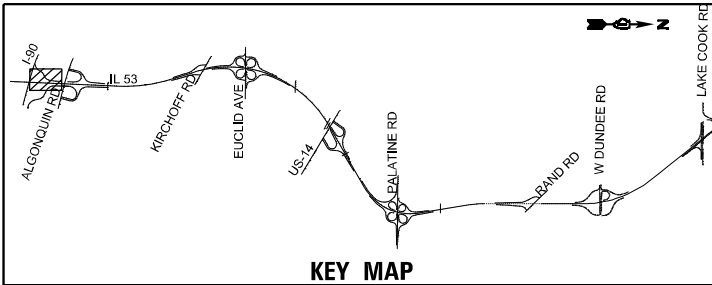
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PLOT SCALE = 100,0000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS REMOVAL AND TEMPORARY ITS PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	679
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



**NOTES:**  
 1. EXISTING 96-STRAND FIBER OPTIC CABLE TO REMAIN.

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PLOT SCALE = 100,0000' / in.	DRAWN - MAG/VN	REVISED -
PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

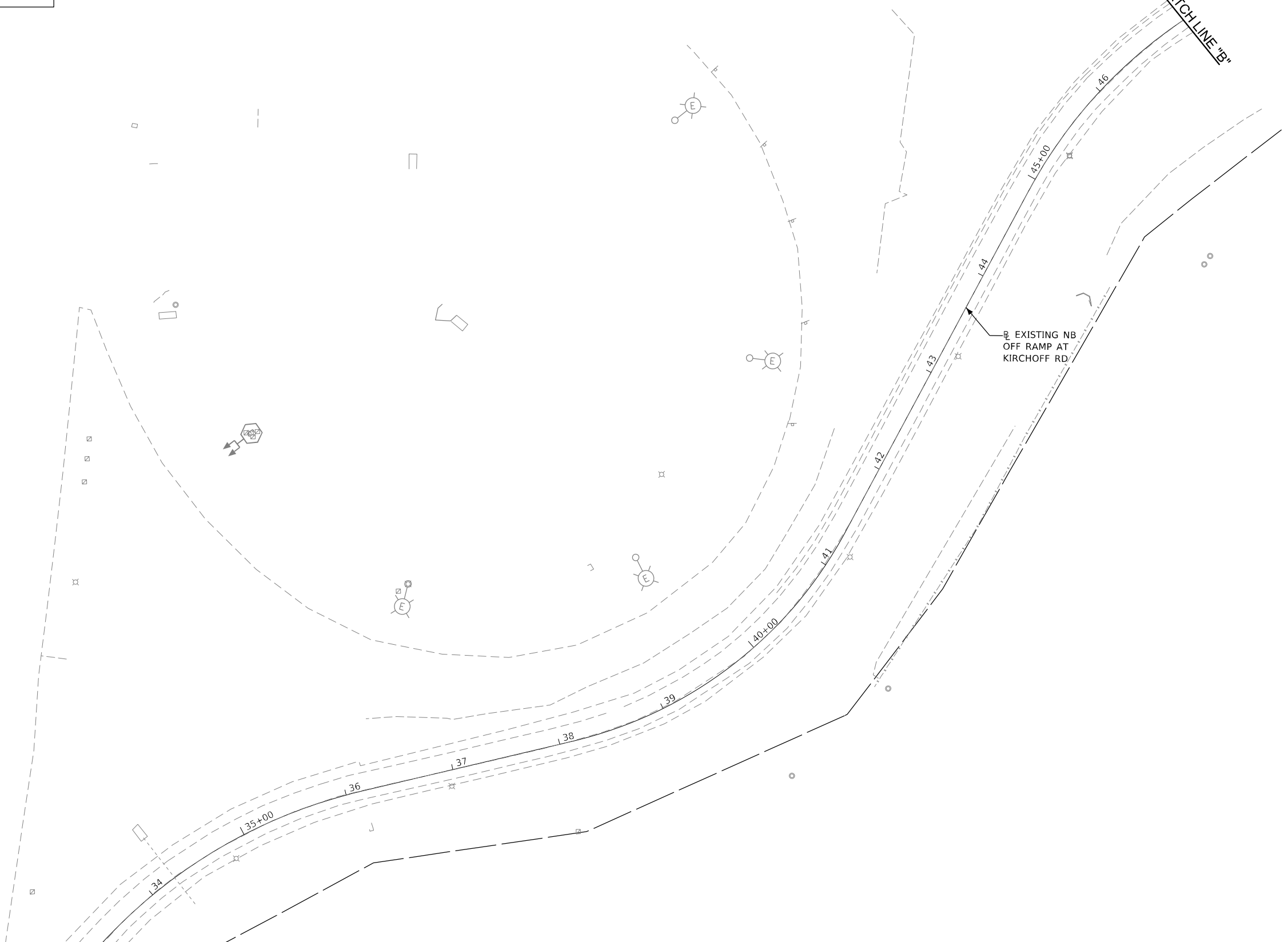
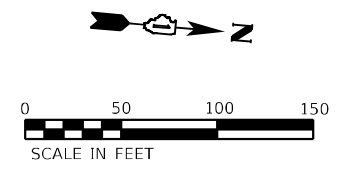
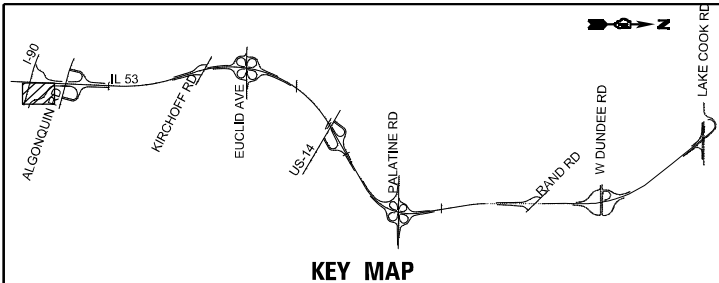
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS INSTALLATION PLAN**

SCALE: 1" = 50'      SHEET OF SHEETS      STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	680
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-27**



MODEL: D:\p\h\l  
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DRAWN - MAG/VN	REVISED -	
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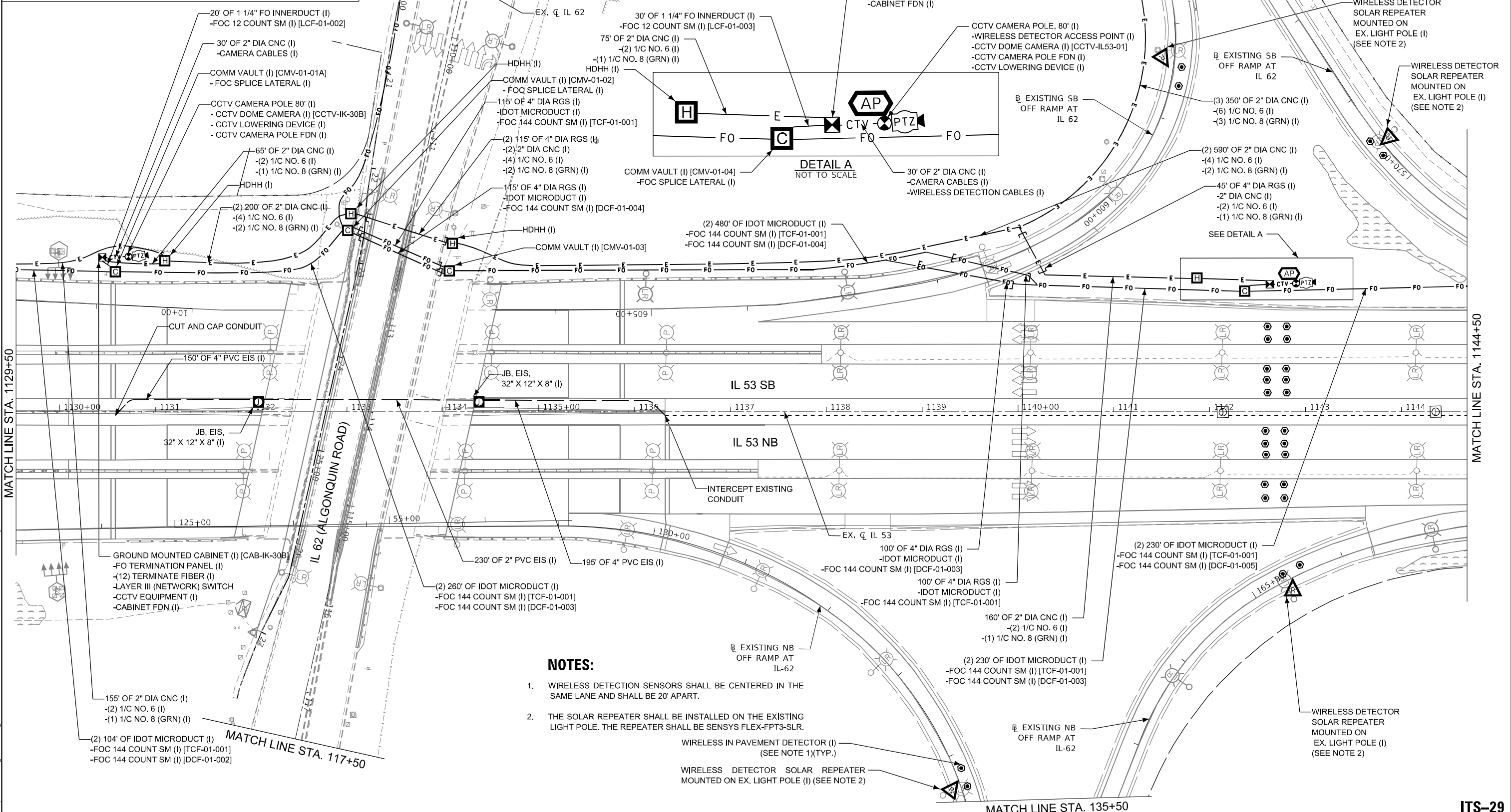
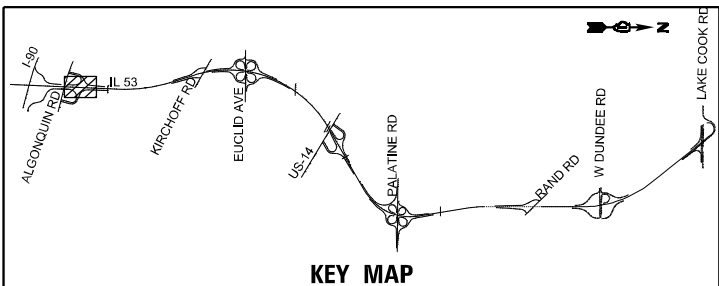
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS INSTALLATION PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	681
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-28**



- NOTES:**
1. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20' APART.
  2. THE SOLAR REPEATER SHALL BE INSTALLED ON THE EXISTING LIGHT POLE. THE REPEATER SHALL BE SENSYS FLEX-FPT3-SLR.

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 680



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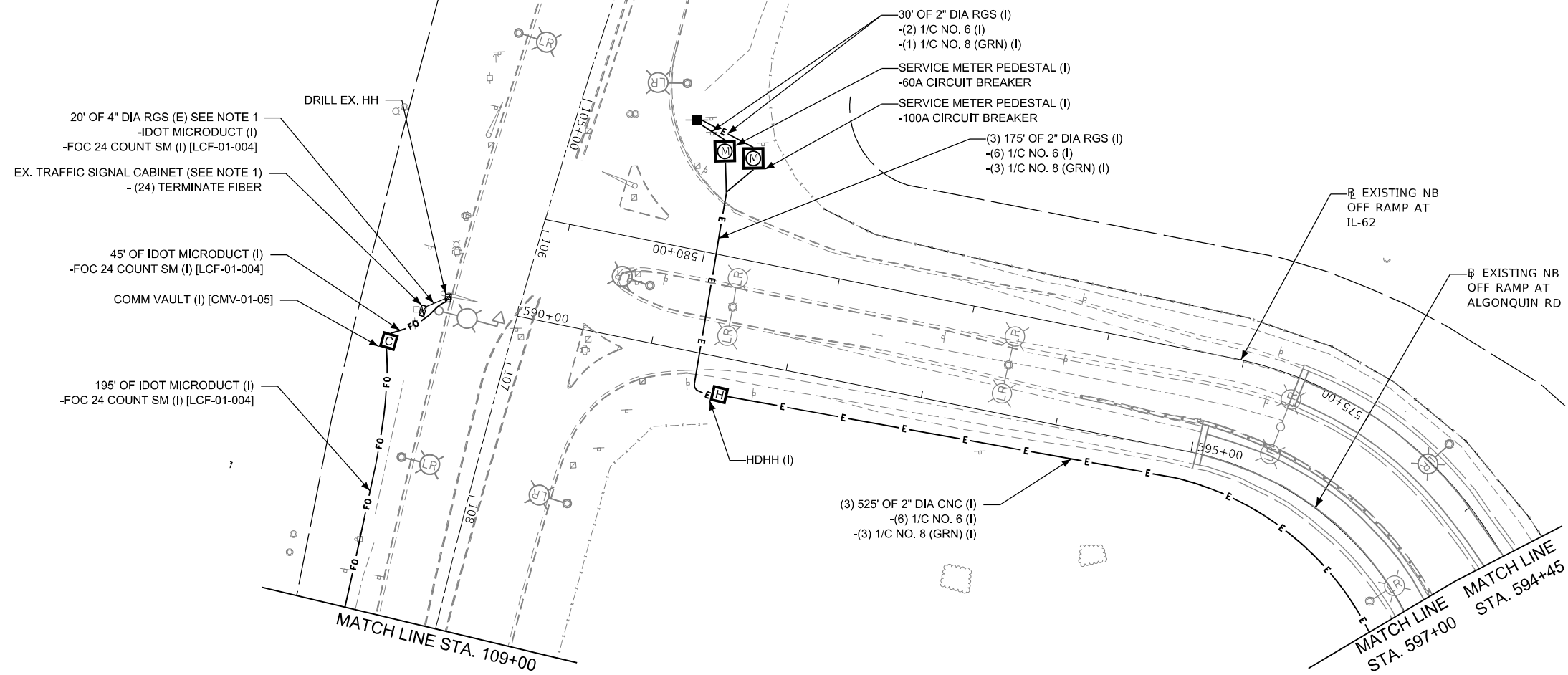
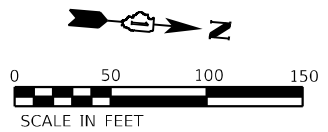
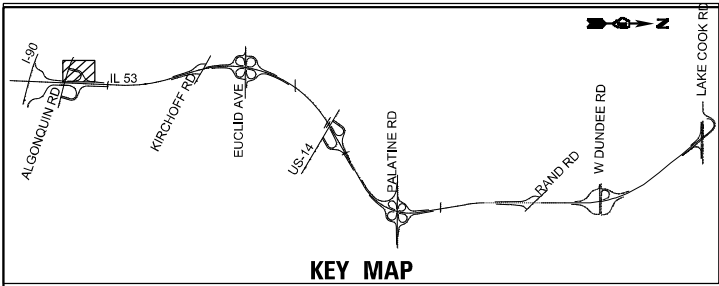
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 53 ITS INSTALLATION PLAN</b>	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 682
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-29**





**NOTES:**

- SEE TRAFFIC SIGNAL AND INTERCONNECT PLANS FOR MORE DETAILS.

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 PROJECT: ...  
 SHEET: ...



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	DRAWN - MAG/VN	REVISED -
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

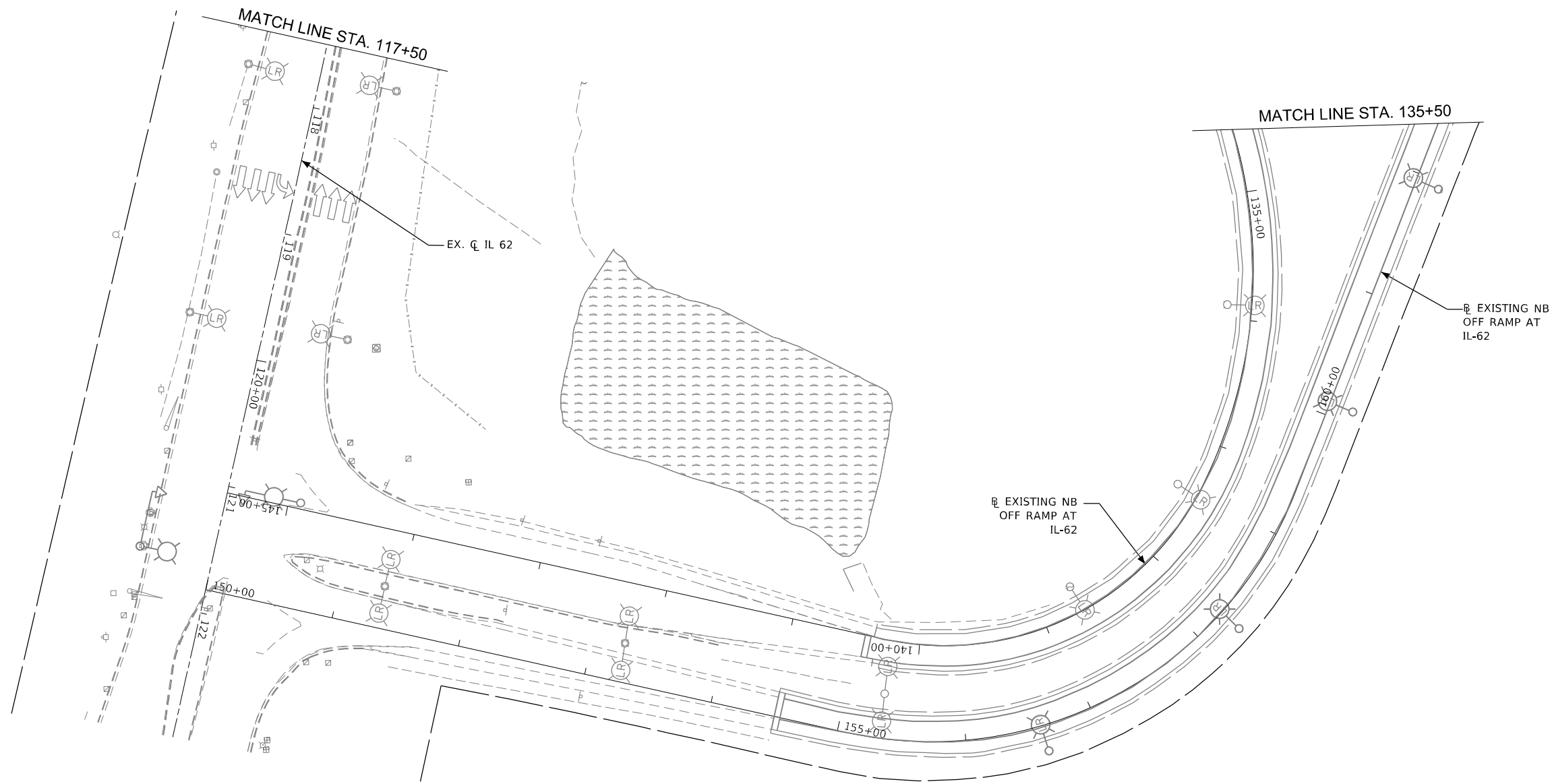
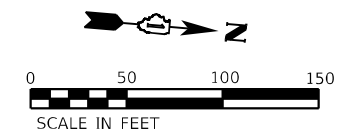
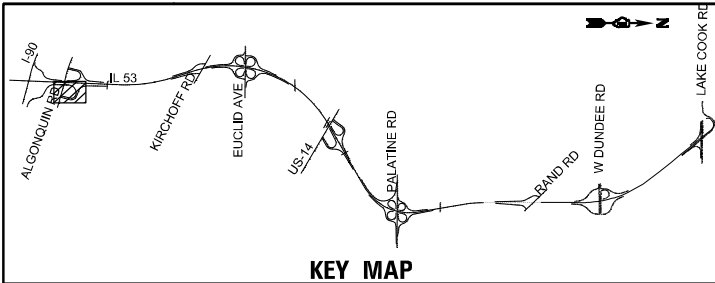
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS INSTALLATION PLAN**

SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	683
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-30**



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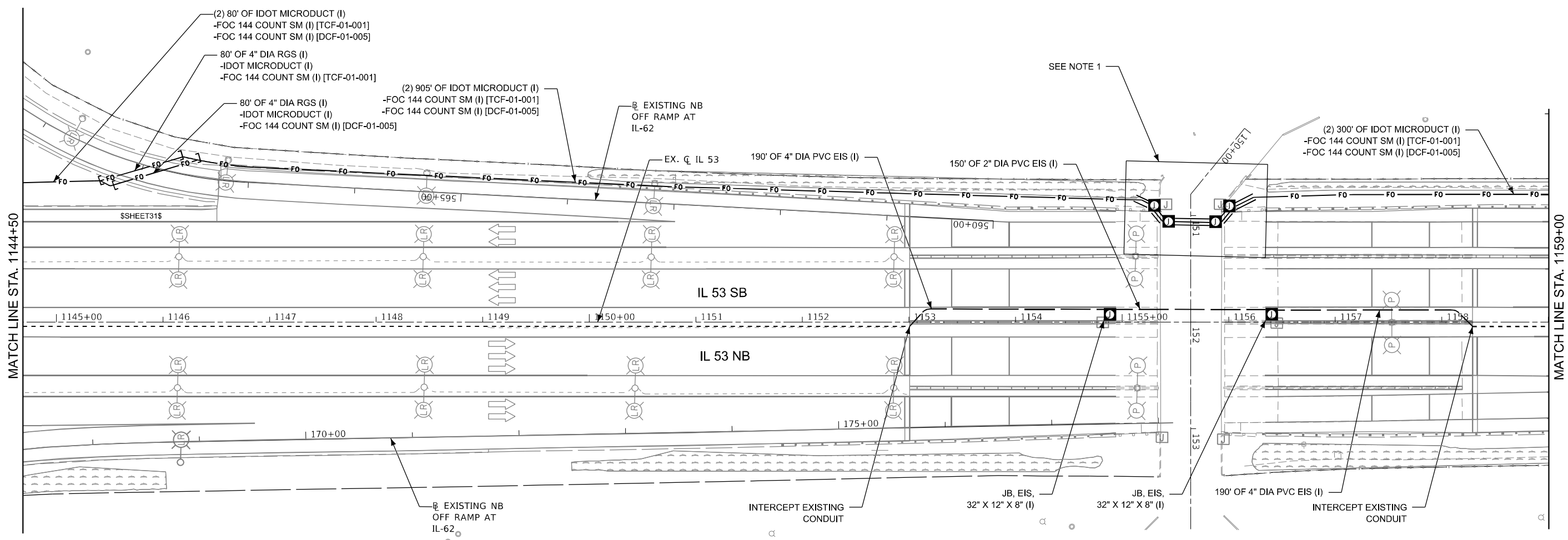
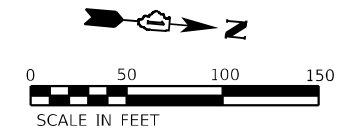
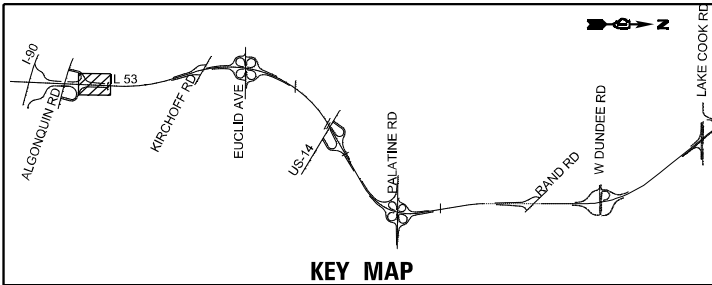
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS INSTALLATION PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	684
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-31**



- NOTES:**
- SEE IL 53 OVER SALT CREEK CONDUIT ATTACHED TO STRUCTURE DRAWING (ITS-77) FOR DETAILS.

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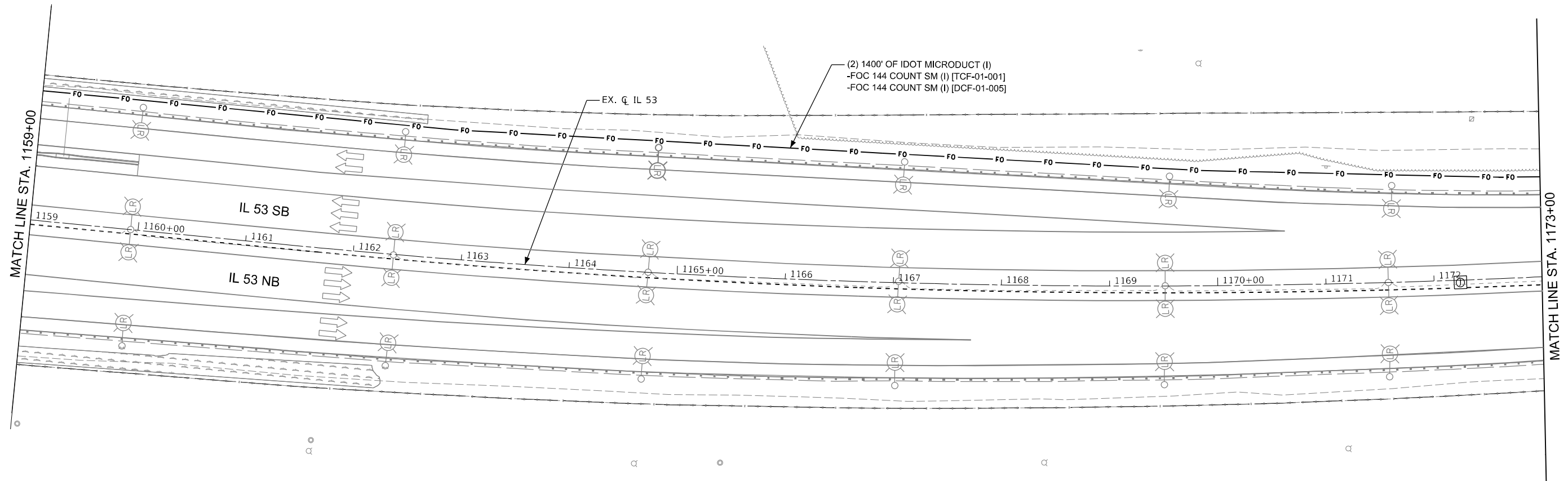
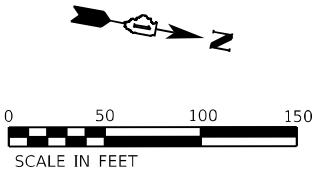
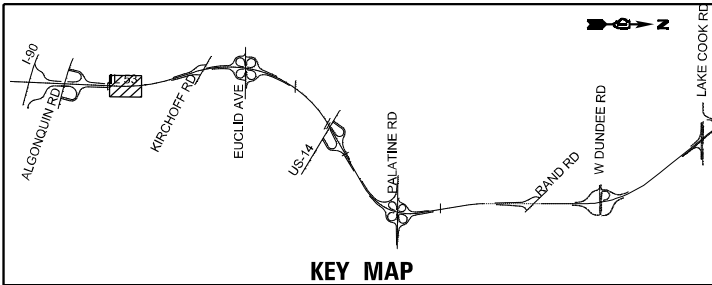
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PLOT DATE = 12/12/2024	CHECKED - RP	REVISED -
	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 53</b> <b>ITS INSTALLATION PLAN</b>			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 685
CONTRACT NO. 62N91 ILLINOIS FED. AID PROJECT				

**ITS-32**



MODEL Path: H:\119\Projects\27145\04\_CADD\CADD\_Sheets\Contract\_2\New\_SolentIS\_Planes\0162N91-C2-Hot-rte-33.dgn  
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CHECKED - RP	REVISED -
DATE - 12/13/2024	REVISED -

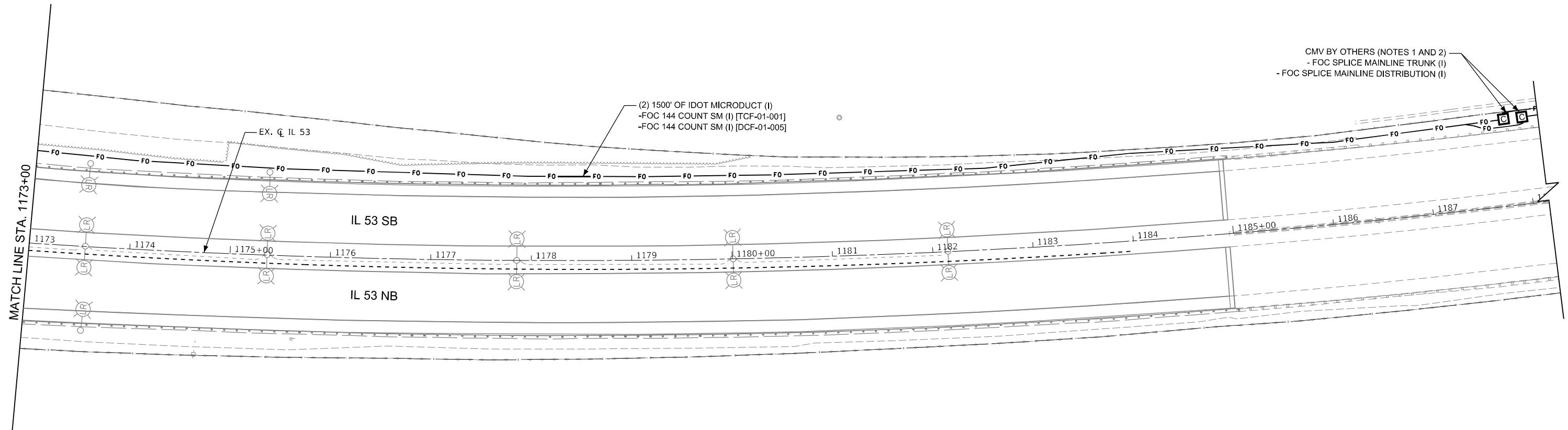
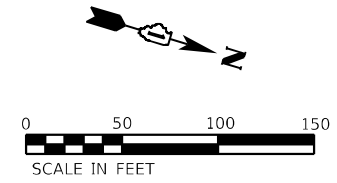
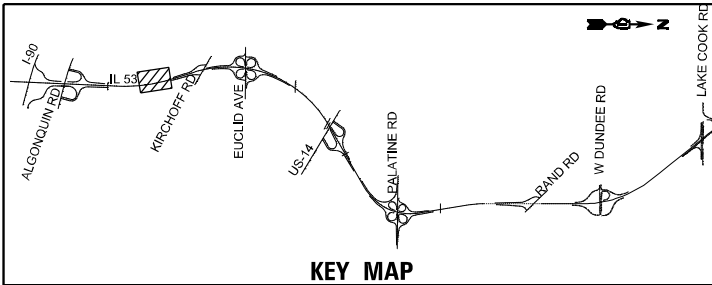
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS INSTALLATION PLAN

SCALE: 1"=50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	686
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-33



**NOTES:**

1. WORK PERFORMED IN CONTRACT 62W38.
2. WORK NORTH OF STA. 1188+00 INSTALLED AS PART OF CONTRACT 62W38.

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	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

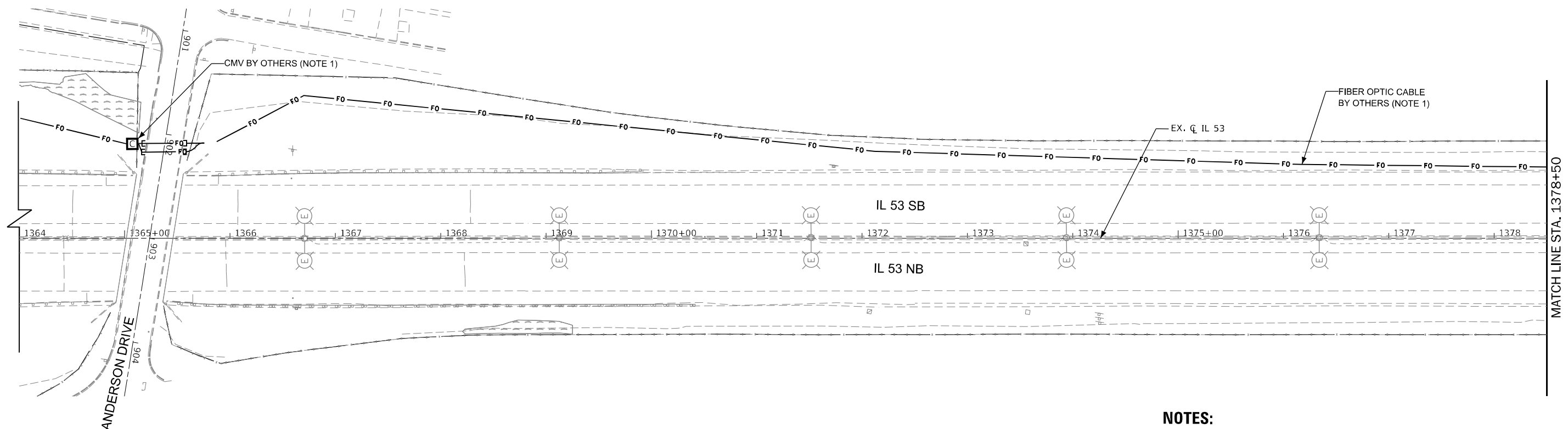
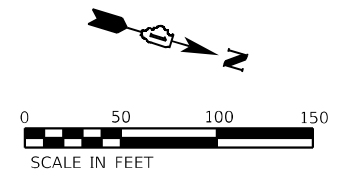
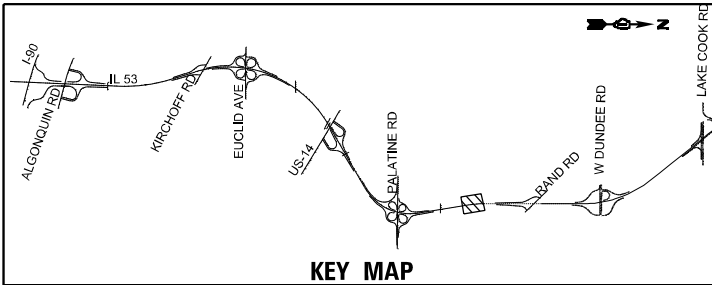
IL ROUTE 53  
 ITS INSTALLATION PLAN

SCALE: 1" = 50'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	687
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-34



**NOTES:**

- 1. WORK PERFORMED IN CONTRACT 62W38.

MODEL Path: \\...  
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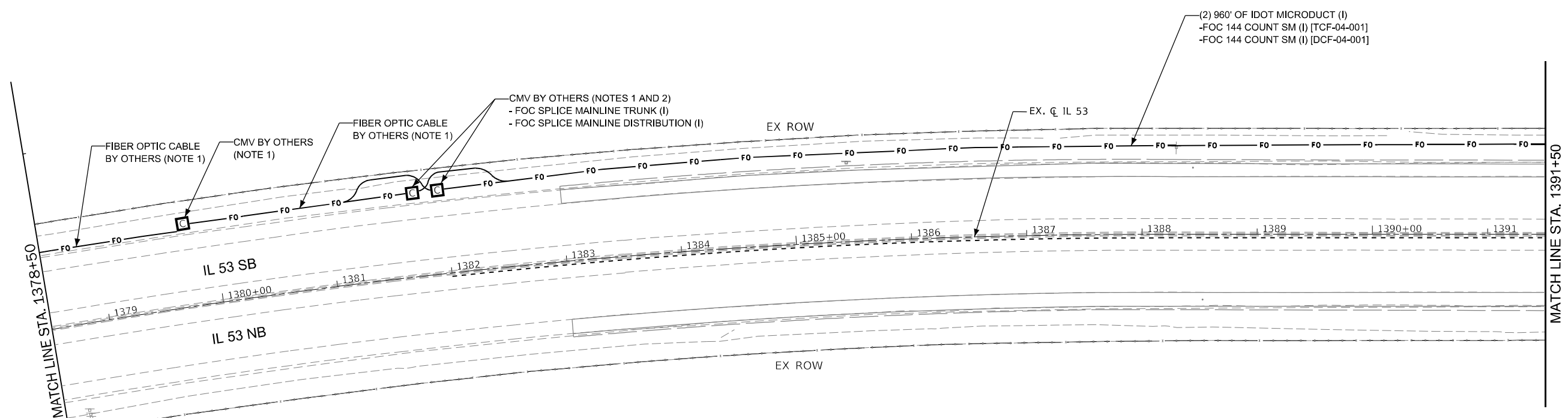
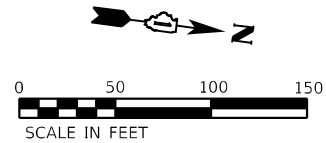
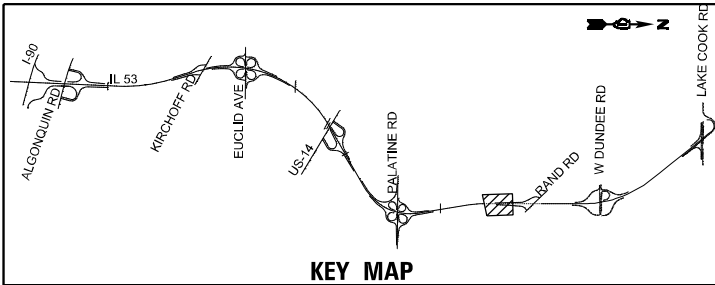
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
ITS INSTALLATION PLAN**

SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	688
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-35**



**NOTES:**

1. WORK PERFORMED IN CONTRACT 62W38.
2. WORK SOUTH OF STA. 1382+00 INSTALLED AS PART OF CONTRACT 62W38.

MODEL: D:\p\h\...  
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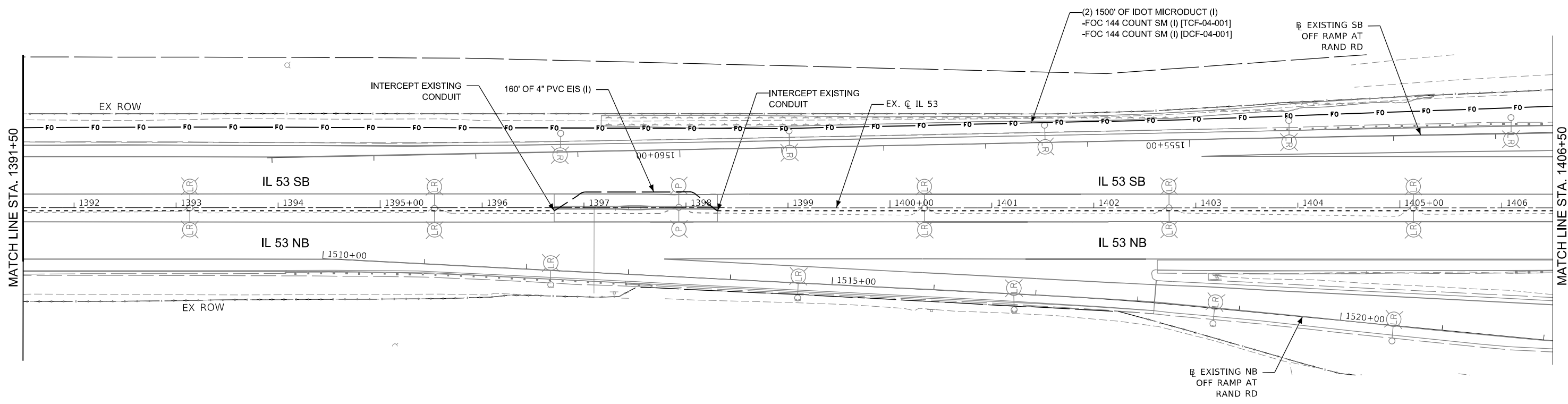
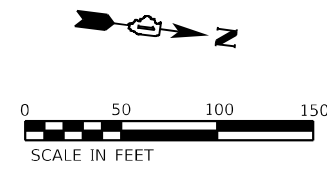
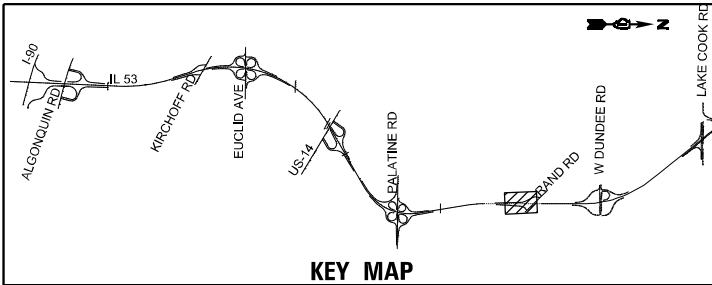
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DRAWN - MAG/VN	REVISIONS	REVISED -
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PLOT DATE = 12/12/2024	DATE - 12/13/2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53**  
**ITS INSTALLATION PLAN**

SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	689
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



MODEL: D:\p\h\...  
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DRAWN - MAG/VN	REVISIONS	
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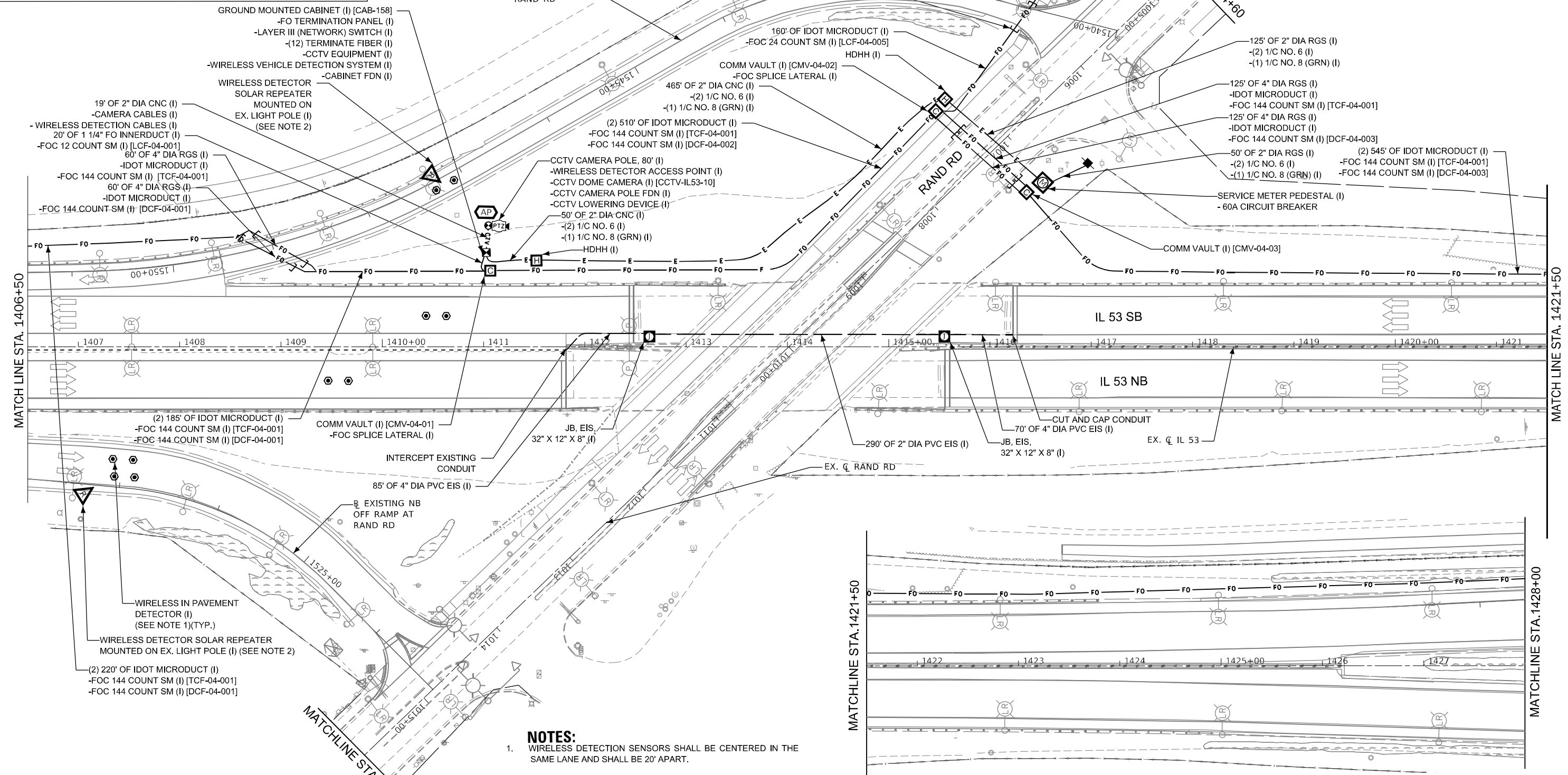
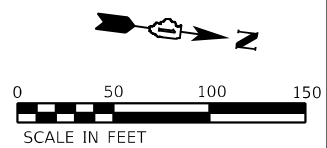
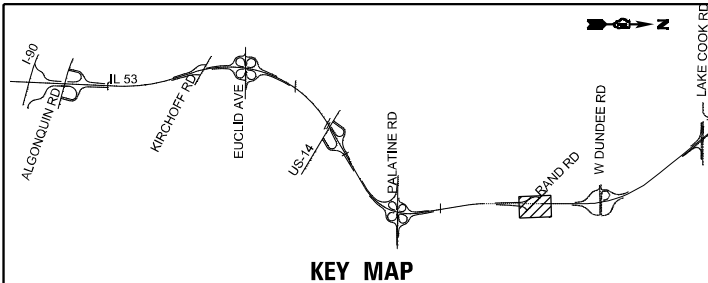
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
ITS INSTALLATION PLAN**

SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	690
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				





- NOTES:**
1. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20' APART.
  2. THE SOLAR REPEATER SHALL BE INSTALLED ON THE EXISTING LIGHT POLE. THE REPEATER SHALL BE SENSYS FLEX-FPT3-SLR.
  3. SEE TRAFFIC SIGNAL AND INTERCONNECT PLANS FOR MORE DETAILS.

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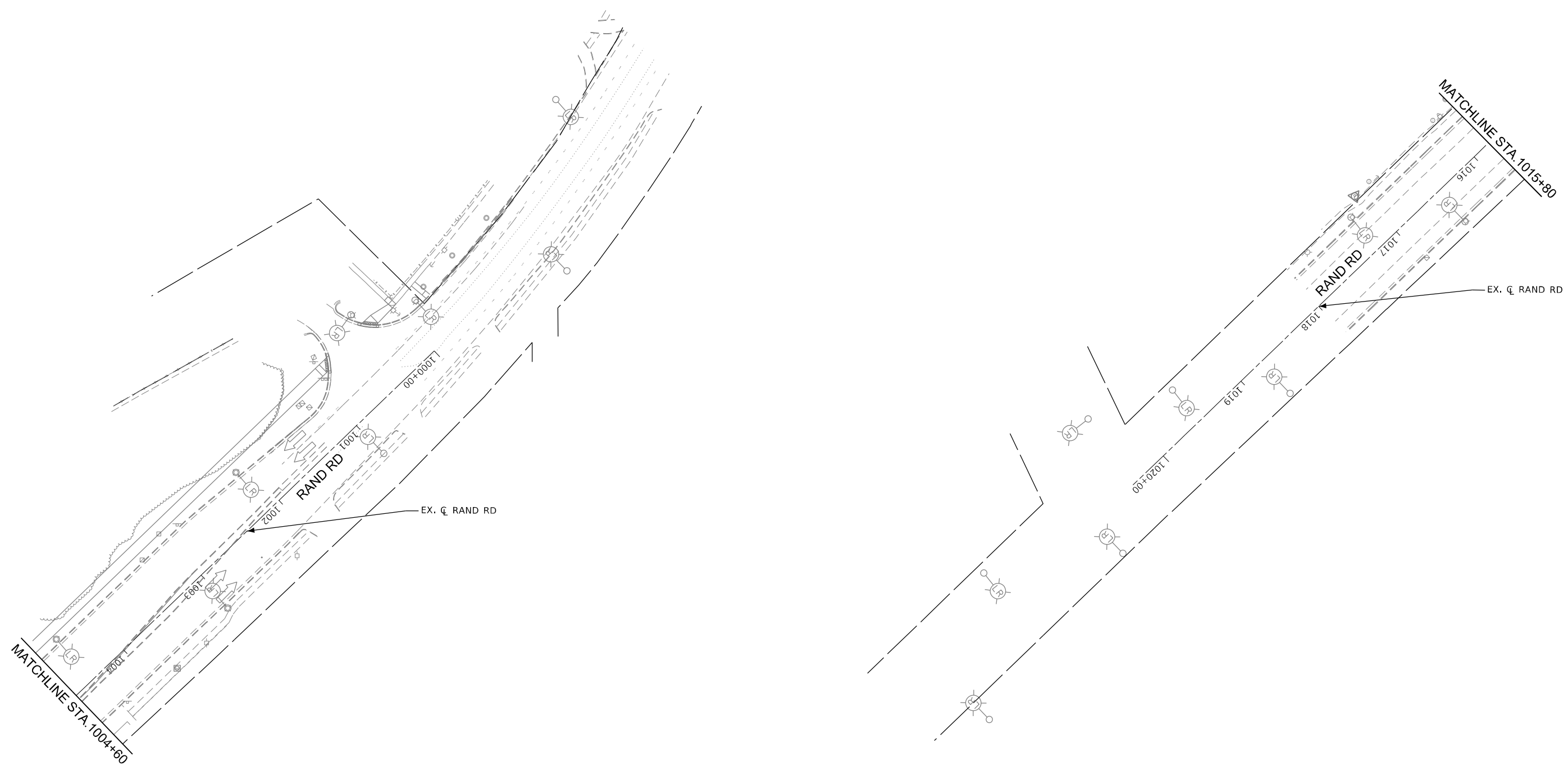
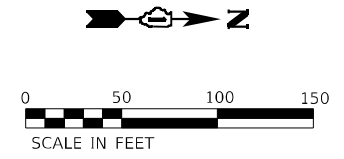
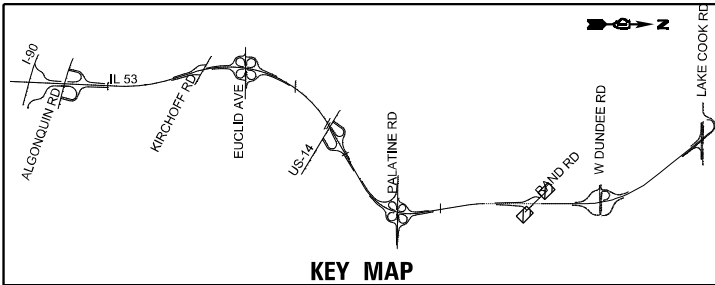
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS INSTALLATION PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 691
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-38



MODEL: D:\p\h\h  
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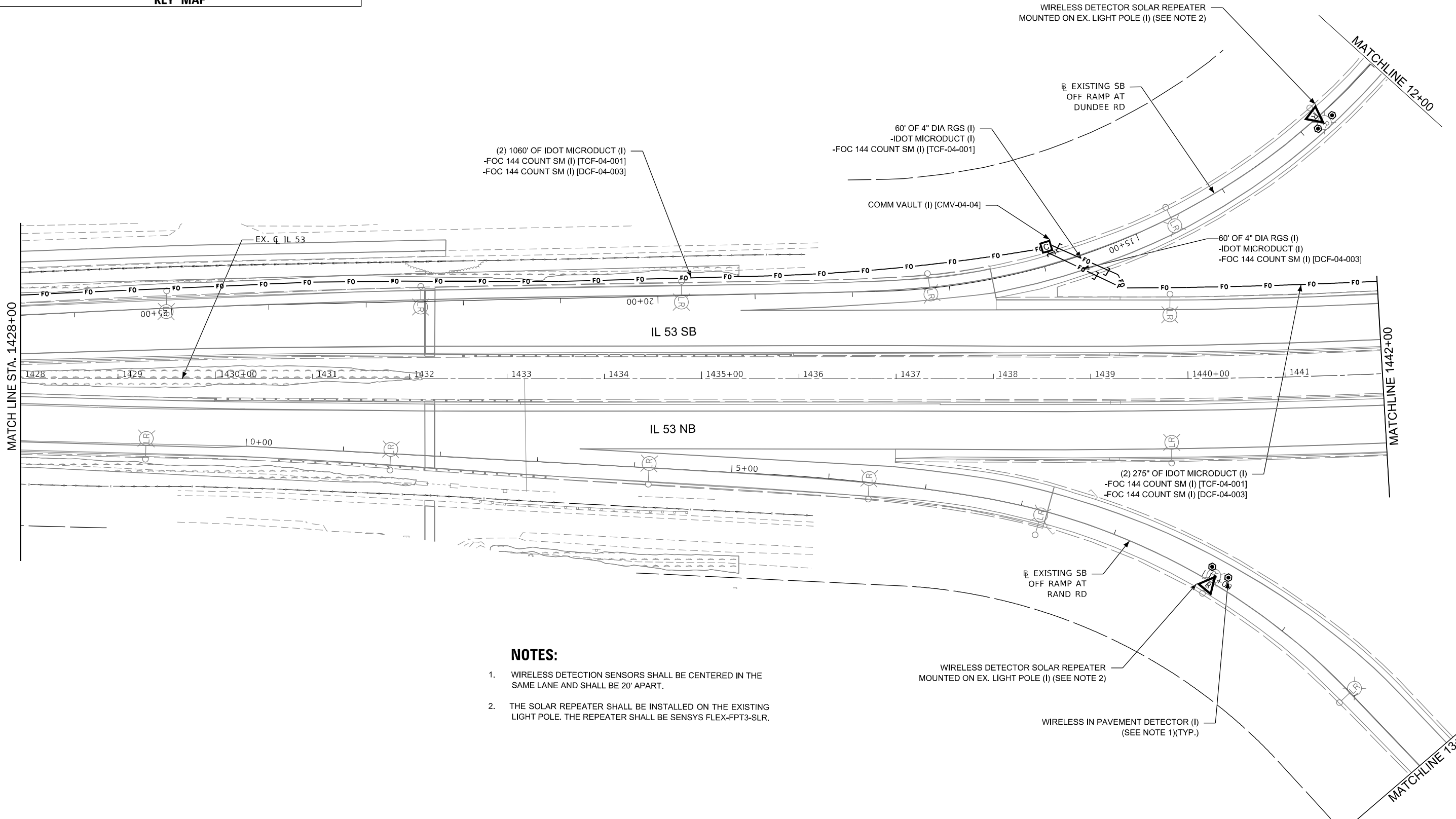
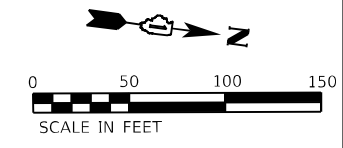
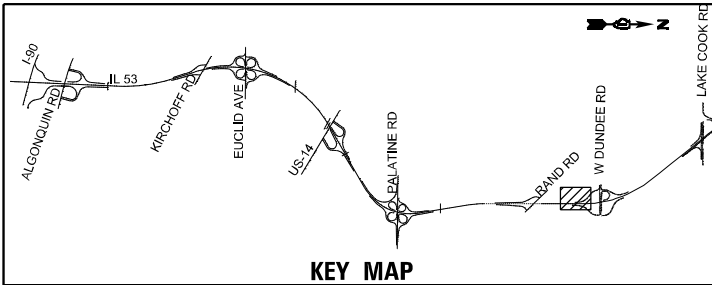
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS INSTALLATION PLAN

SCALE: 1" = 50' SHEET 13 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 692
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-39



- NOTES:**
1. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20' APART.
  2. THE SOLAR REPEATER SHALL BE INSTALLED ON THE EXISTING LIGHT POLE. THE REPEATER SHALL BE SENSYS FLEX-FPT3-SLR.

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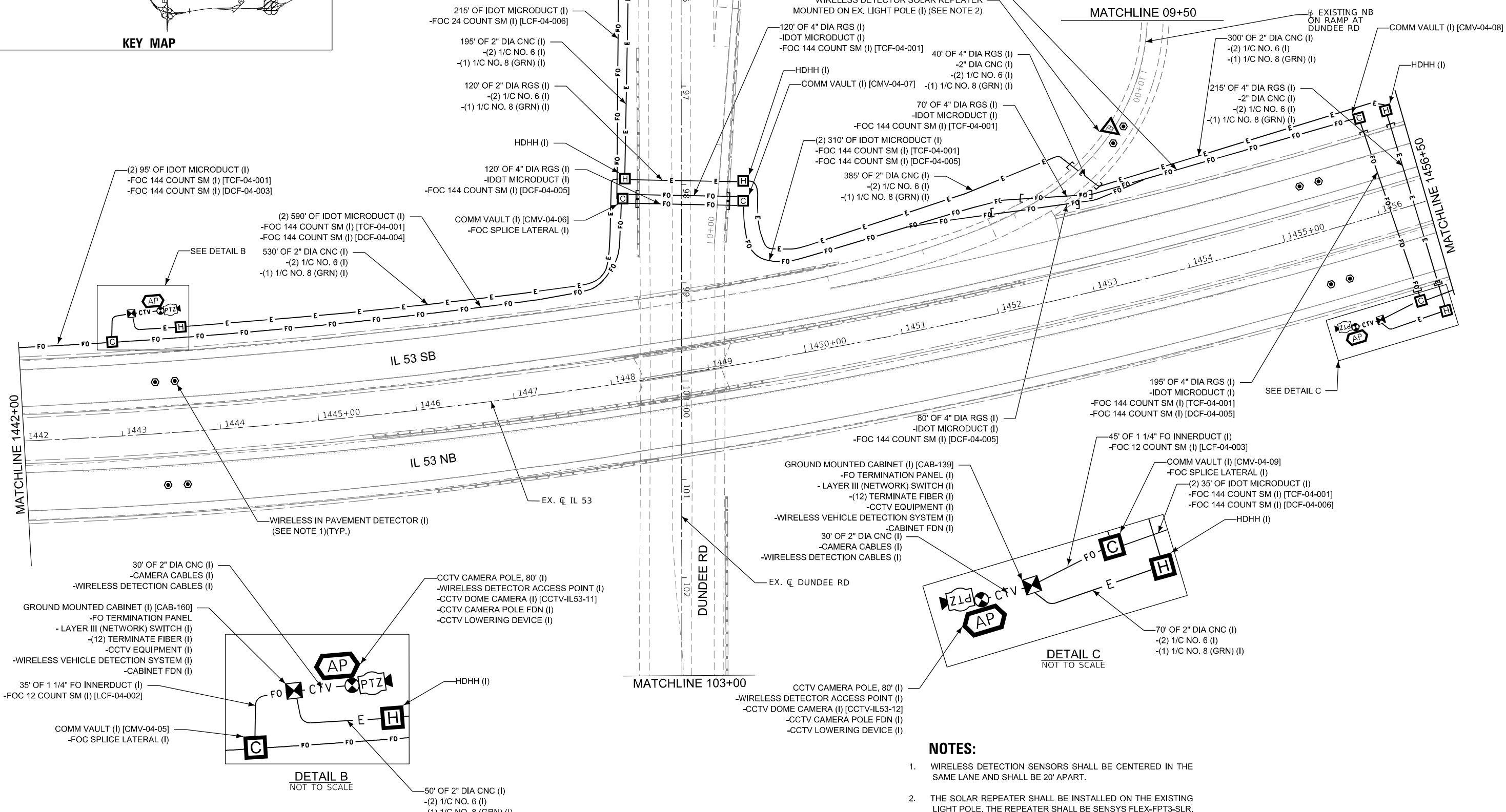
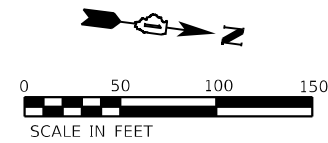
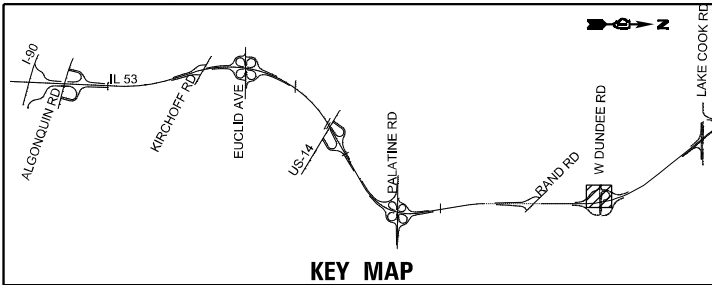
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 53  
ITS INSTALLATION PLAN**

SCALE: 1" = 50'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 693
CONTRACT NO. 62N91				
		ILLINOIS	FED. AID PROJECT	

**ITS-40**



- NOTES:**
1. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20' APART.
  2. THE SOLAR REPEATER SHALL BE INSTALLED ON THE EXISTING LIGHT POLE. THE REPEATER SHALL BE SENSYS FLEX-FPT3-SLR.

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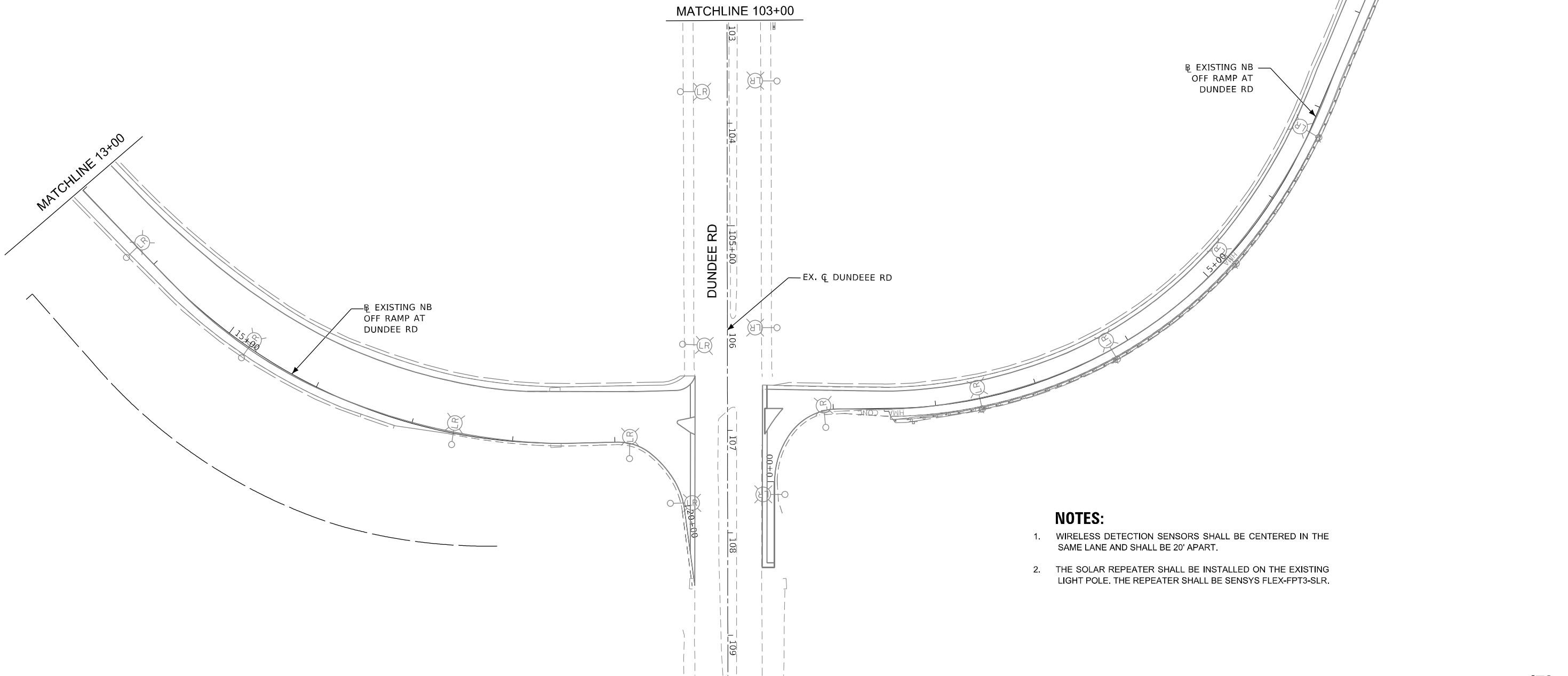
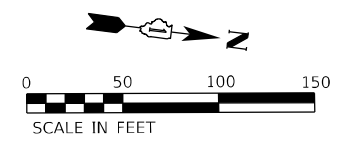
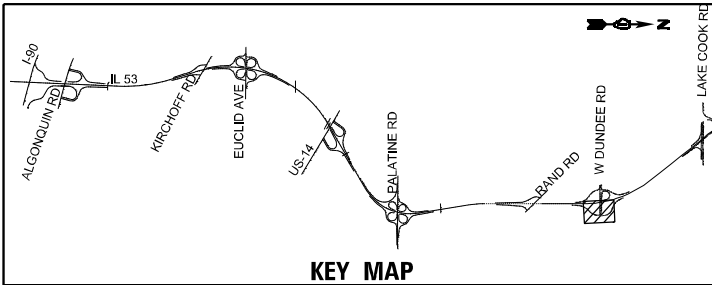
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS INSTALLATION PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	694
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-41



- NOTES:**
1. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20' APART.
  2. THE SOLAR REPEATER SHALL BE INSTALLED ON THE EXISTING LIGHT POLE. THE REPEATER SHALL BE SENSYS FLEX-FPT3-SLR.

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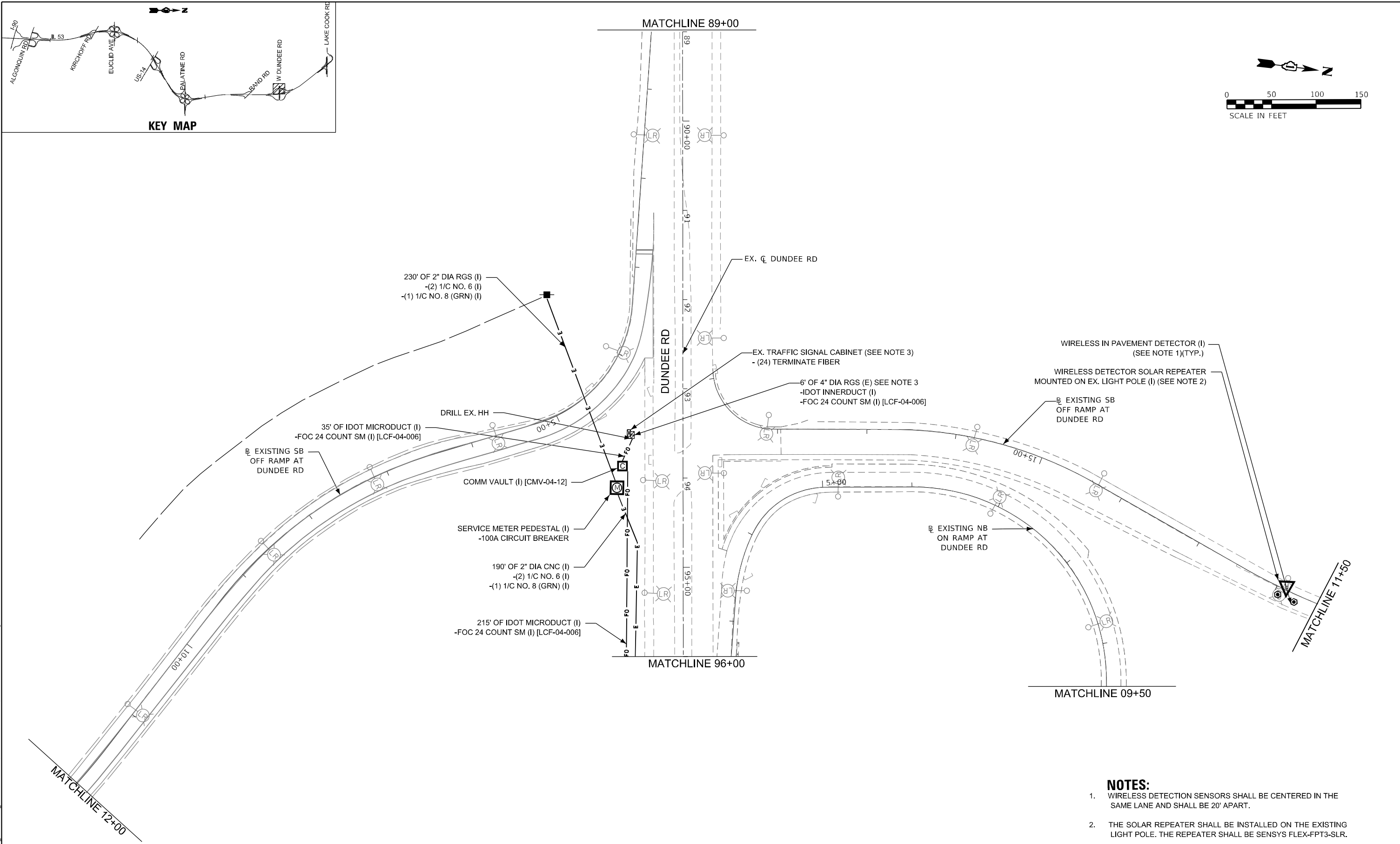
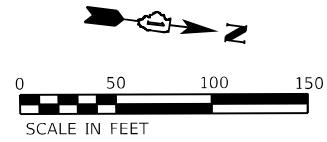
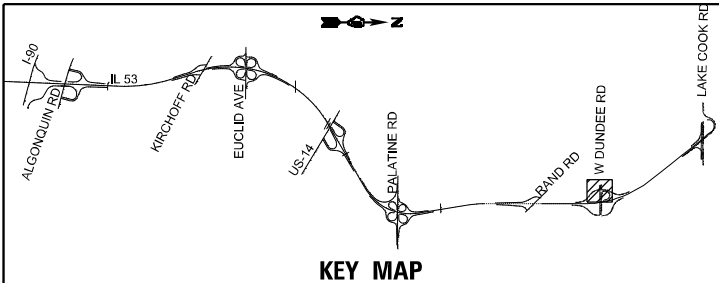
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	DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>IL ROUTE 53 ITS INSTALLATION PLAN</b>			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	695
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-42**



- NOTES:**
1. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20' APART.
  2. THE SOLAR REPEATER SHALL BE INSTALLED ON THE EXISTING LIGHT POLE. THE REPEATER SHALL BE SENSYS FLEX-FPT3-SLR.
  3. SEE TRAFFIC SIGNAL AND INTERCONNECT PLANS FOR MORE DETAILS.

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	DATE - 12/13/2024	REVISED -

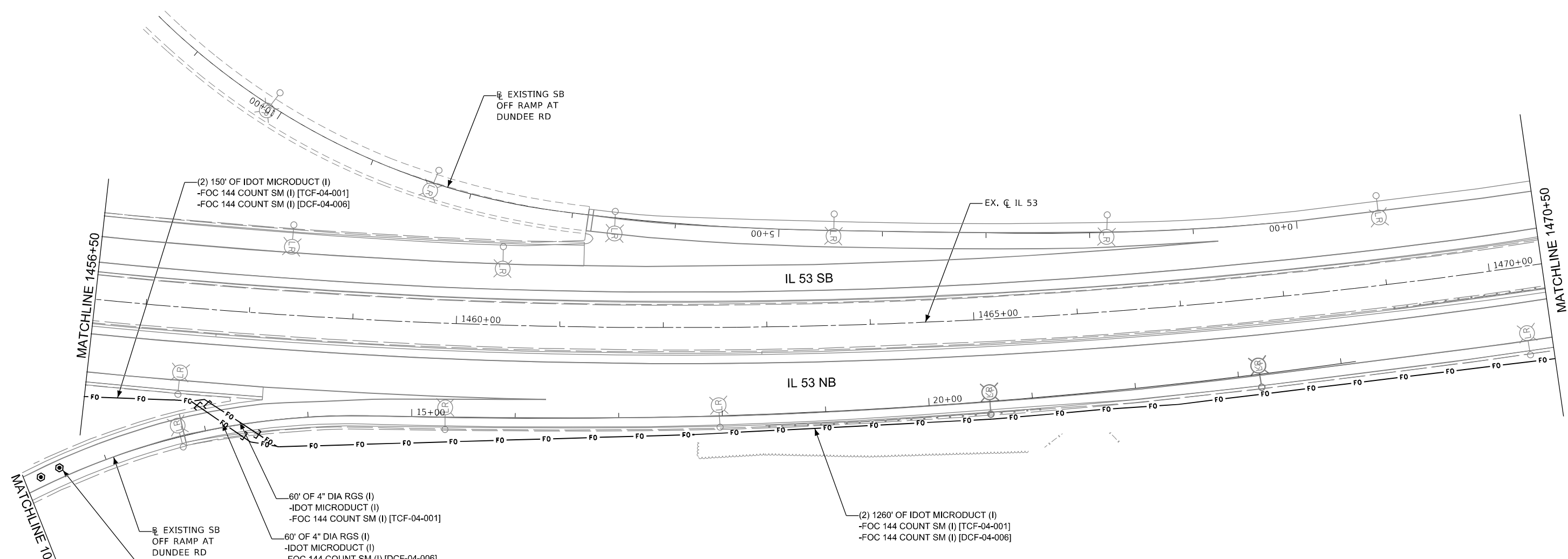
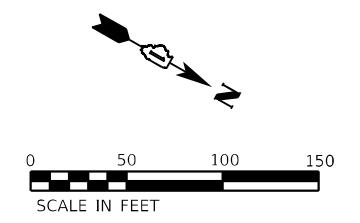
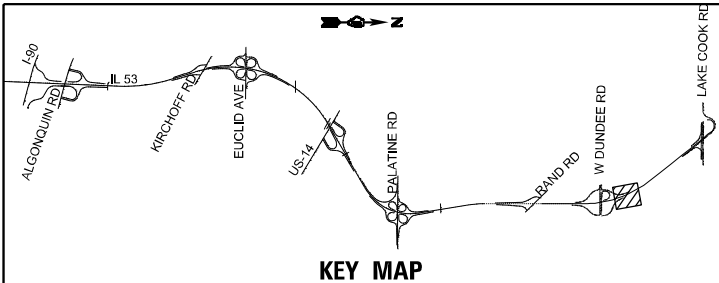
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
 ITS INSTALLATION PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 696
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-43



**NOTES:**

1. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20' APART.
2. THE SOLAR REPEATER SHALL BE INSTALLED ON THE EXISTING LIGHT POLE. THE REPEATER SHALL BE SENSYS FLEX-FPT3-SLR.

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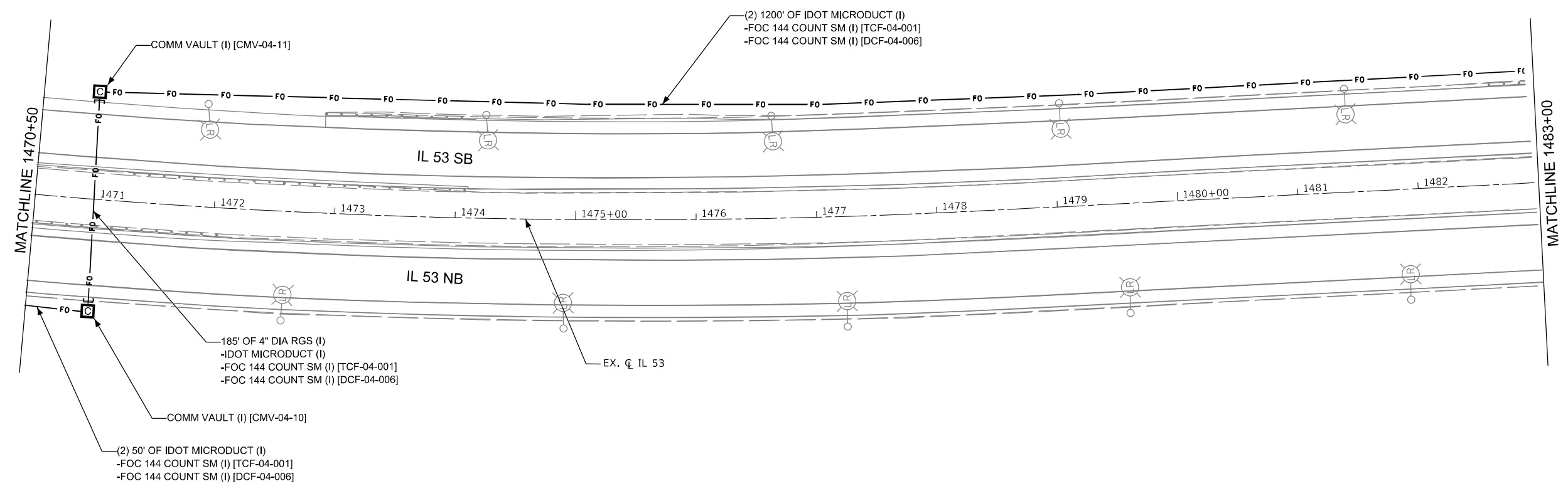
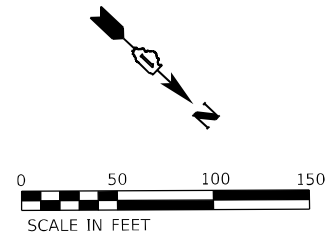
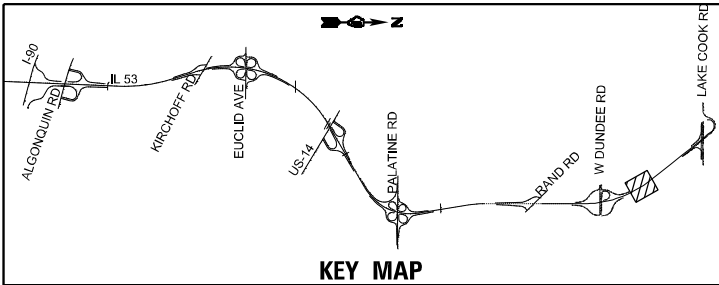
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS INSTALLATION PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	697
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-44



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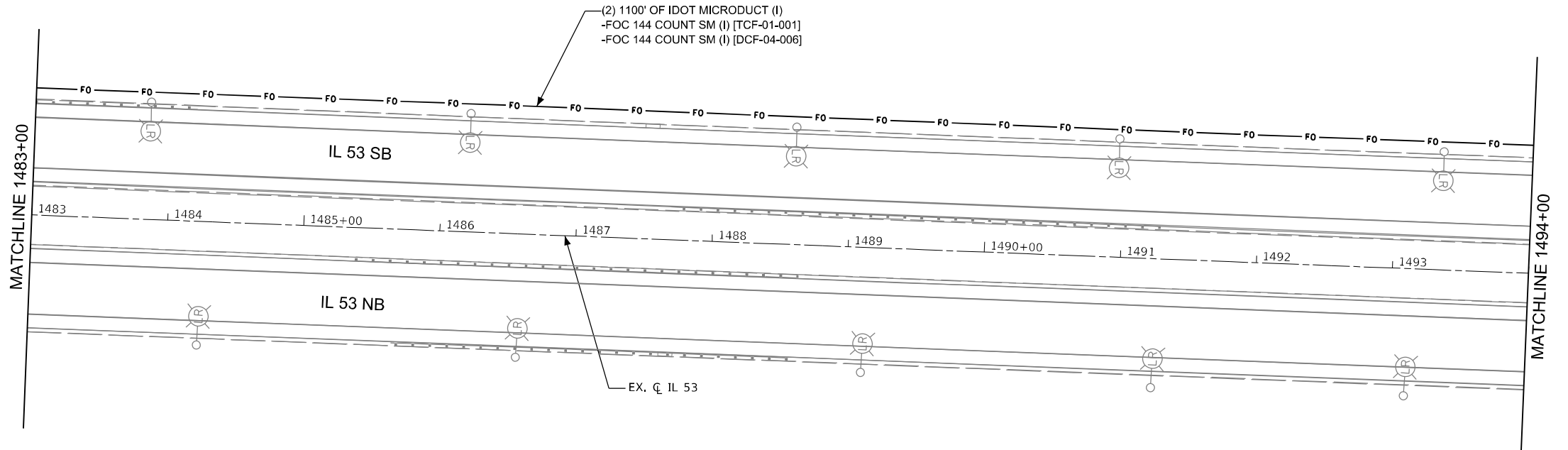
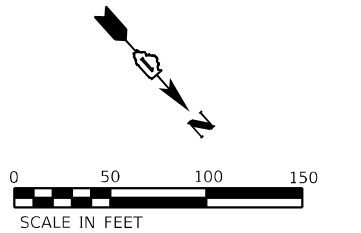
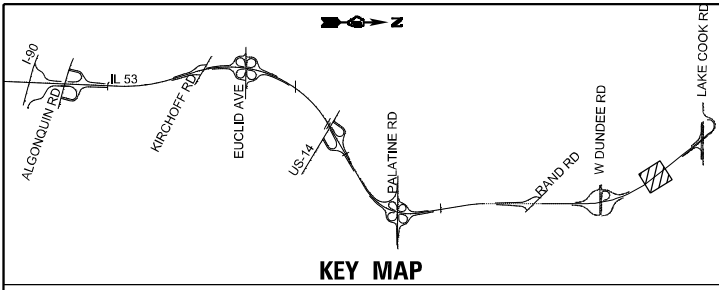
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 53</b> <b>ITS INSTALLATION PLAN</b>			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE. 342	SECTION 2018-100-BR	COUNTY COOK	TOTAL SHEETS 1351	SHEET NO. 698
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

**ITS-45**





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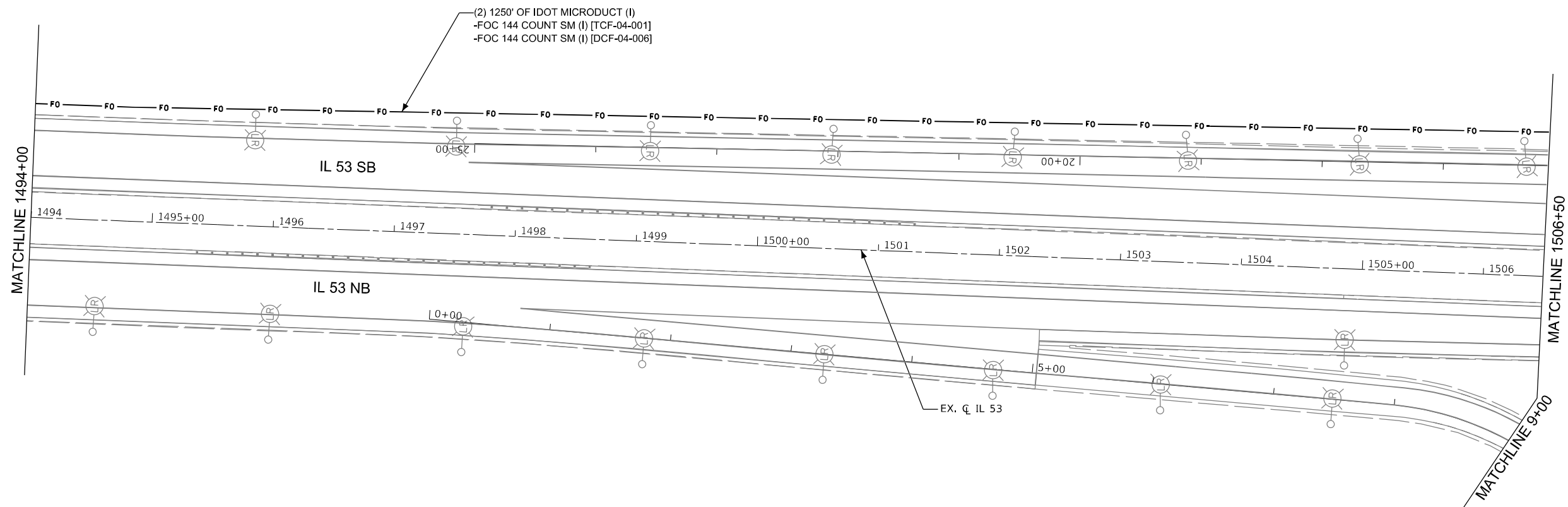
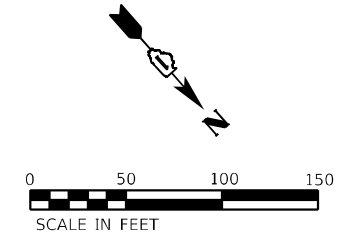
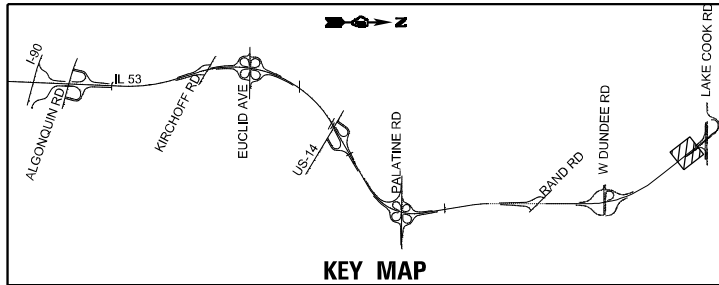
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PLOT DATE = 12/12/2024		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS INSTALLATION PLAN

SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	699
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				



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CHECKED - RP	REVISED -
DATE - 12/13/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 53  
ITS INSTALLATION PLAN

SCALE: 1" = 60'

SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
342	2018-100-BR	COOK	1351	700
CONTRACT NO. 62N91				
ILLINOIS FED. AID PROJECT				

ITS-47