

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25*	1
ILLINOIS CONTRACT NO. 78880				

* 25 + 1 = 26 TOTAL SHEETS

D-99-058-21

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

PROPOSED
HIGHWAY PLANS

FAP ROUTE 331 (IL 13)
SECTION D9 TRAFFIC SIGNAL 2021-2
PROJECT STP-CIKU(511)

TRAFFIC SIGNAL IMPROVEMENT
JACKSON COUNTY

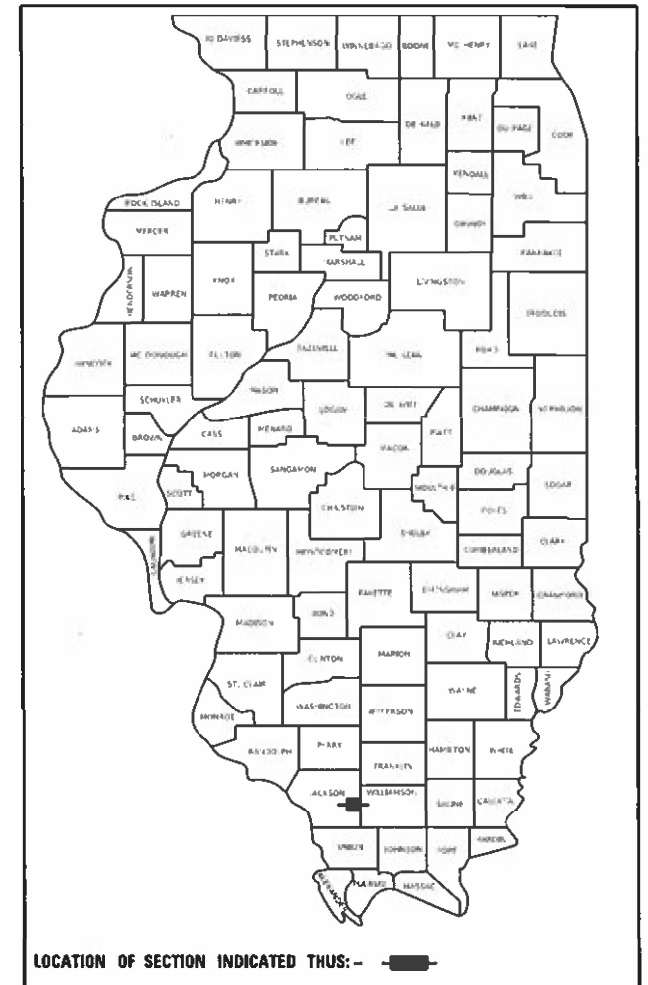
C-99-077-21

TRAFFIC DATA

IL ROUTE 13: 25,000
GIANT CITY RD: 14,000

TOWNSHIP

CARBONDALE

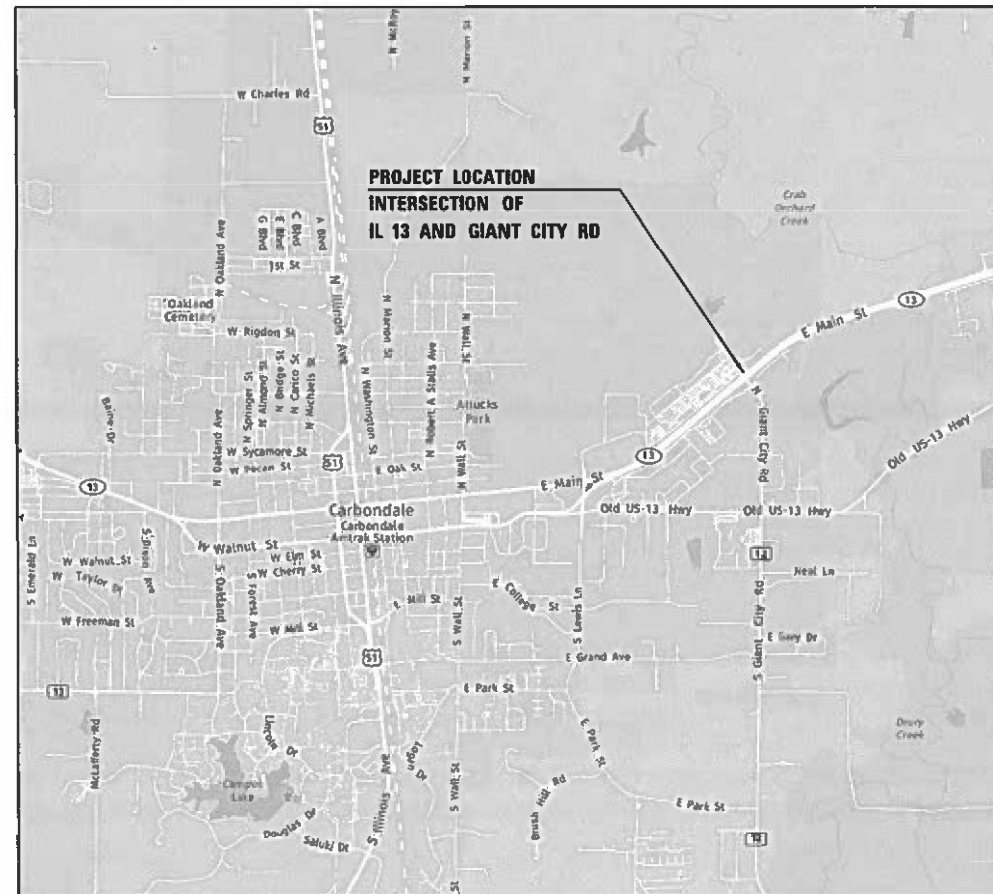


PBF
P. BRIEN FUNK II
EXPIRES: 2-28-2022
DATE 2-1-2022

iteris
ITERIS, INC.
319 W STATE STREET, SUITE 200
GENEVA, IL 60134

IL DESIGN FIRM NO: 184007145-0002

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



GROSS LENGTH = 0.1 MILES
NET LENGTH = 0.1 MILES

PROJECT ENGINEER SUSAN POE
PROJECT DESIGNER SUSAN POE

CONTRACT NO. 78880

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Feb 7 20 22
Stephen M. Traxler
REGION FIVE ENGINEER

March 25 20 22
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 29 20 22
Stephen M. Traxler
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Prepared By: Charles Stein
DISTRICT STUDIES & PLANS ENGINEER

Examined By: _____
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nelson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. C. ...
DISTRICT OPERATIONS ENGINEER

Examined By: Douglas ...
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Douglas ...
DISTRICT CONSTRUCTION ENGINEER

Examined By: R. C. ...
DISTRICT MATERIALS ENGINEER

MOBILE: SHOTCH WAMP'S
FILE NAME: SFILES

USER NAME = SUSERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = SSCALES	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	2
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

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 606001-08 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
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 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

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					ILLINOIS FED. AID PROJECT					

COUNTY: JACKSON JACKSON
 ROUTE: FAP 331 (IL 13) FAP 331 (IL 13)
 FUNDING: 80% FED/20% STATE 80% FED/10% STATE/10% CITY
 LOCATION: URBAN URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0021	0021
20200100	EARTH EXCAVATION	CU YD	31	31	
20400800	FURNISHED EXCAVATION	CU YD	155	155	
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	3	3	
42001300	PROTECTIVE COAT	SQ YD	261	261	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1726	1726	
42400800	DETECTABLE WARNINGS	SQ FT	61	61	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	109	109	
44000600	SIDEWALK REMOVAL	SQ FT	92	92	
44003100	MEDIAN REMOVAL	SQ FT	95	95	
60600605	CONCRETE CURB, TYPE B	FOOT	18	18	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	20	20	
60605500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	98	98	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	216	216	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	4
			CONTRACT NO. 78880	
		ILLINOIS	FED. AID PROJECT	

COUNTY: JACKSON JACKSON
 ROUTE: FAP 331 (IL 13) FAP 331 (IL 13)
 FUNDING: 80% FED/20% STATE 80% FED/10% STATE/10% CITY
 LOCATION: URBAN URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0021	0021
67100100	MOBILIZATION	L SUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	45	45	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	278	278	
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	250	250	
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	82	82	
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	182	182	
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1
80300100	LOCATING UNDERGROUND CABLE	FOOT	5		5
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	135		135
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	40		40

* SPECIALTY ITEM

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	5
			CONTRACT NO. 78880	
		ILLINOIS	FED. AID PROJECT	

COUNTY: JACKSON JACKSON
 ROUTE: FAP 331 (IL 13) FAP 331 (IL 13)
 FUNDING: 80% FED/20% STATE 80% FED/10% STATE/10% CITY
 LOCATION: URBAN URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY		
				0021	0021
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1		1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	504		504
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	689		689
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	54		54
87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	2		2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8		8
87900100	DRILL EXISTING FOUNDATION	EACH	2		2
87900200	DRILL EXISTING HANDHOLE	EACH	2		2
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1		1
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
X6061100	CONCRETE MEDIAN, TYPE SB (SPECIAL)	SQ FT	52	52	
X7340100	CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	0.5		0.5
X8100105	CONDUIT SPLICE	EACH	1		1

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	6
			CONTRACT NO. 78880	
		ILLINOIS	FED. AID PROJECT	

CURB AND GUTTER SCHEDULE							
LOCATION	CONCRETE CURB, TYPE B	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	CONCRETE MEDIAN SURFACE, 4 INCH	CONCRETE MEDIAN, TYPE SB (SPECIAL)	PROTECTIVE COAT	SUBBASE GRANULAR MATERIAL, TYBE B
	FOOT	FOOT	FOOT	SQ FT	SQ FT	SQ YD	CU YD
NORTHEAST QUADRANT	0	20	0	0	0	4	0
MEDIAN	18	0	98	216	52	64	2
SOUTHEAST QAUDRANT	0	0	0	0	0	0	0
TOTALS	18	20	98	216	52	69	2

CURB AND GUTTER SCHEDULE				
LOCATION	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	MEDIAN REMOVAL	SIGN POST REMOVAL
	FOOT	SQ FT	SQ FT	EACH
NORTHEAST QUADRANT	20	92	0	0
MEDIAN	89	0	95	0
SOUTHEAST QAUDRANT	0	0	0	1
TOTALS	109	92	95	1

REV. - MS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	8
			CONTRACT NO. 78880	
		ILLINOIS	FED. AID PROJECT	

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SIDEWALK SCHEDULE				
LOCATION	42400100	42400800	31101100	42001300
	PCC SIDEWALK, 4"	DETECTABLE WARNINGS	SUBBASE GRANULAR MATERIAL, TYPE B	PROTECTIVE COAT
	SQ FT	SQ FT	CU YD	SQ YD
NORTHEAST QUARDRANT	500	21	0	56
MEDIAN	45	20	1	5
SOUTHEAST QAUDRANT	1181	20	0	131
TOTALS	1726	61	1	192

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	9
			CONTRACT NO. 78880	
		ILLINOIS	FED. AID PROJECT	

EXCAVATION SHRINKAGE FACTOR (SF) = 15%

EARTHWORK SCHEDULE

EARTHWORK MANAGEMENT					
LOCATION	CUT	CUT ADJUST FOR	FILL	EARTHWORK BALANCE	FURNISHED EXCAVATION
(STATION)	(CU YD)	SHRINKAGE (CU YD)	(CU YD)	WASTE (+) / SHORTAGE (-) (CU YD)	(CU YD)
NORTHEAST QUADRANT					
0+00.00					
0+18.44	1	1	1	0	
0+31.84	1	1	0	1	
0+45.24	1	1	0	1	
0+58.64	2	2	0	2	
0+72.04	3	3	0	3	
0+81.93	2	1	0	1	
0+98.84	4	3	0	3	
SOUTHEAST QUADRANT					
0+00.00					
0+33.45	5	4	0	4	
0+61.84	7	6	7	-1	
0+90.23	3	2	31	-29	
1+18.62	0	0	57	-57	
1+47.01	0	0	43	-43	
1+74.35	2	2	42	-40	
TOTAL	31	26	181	-155	155

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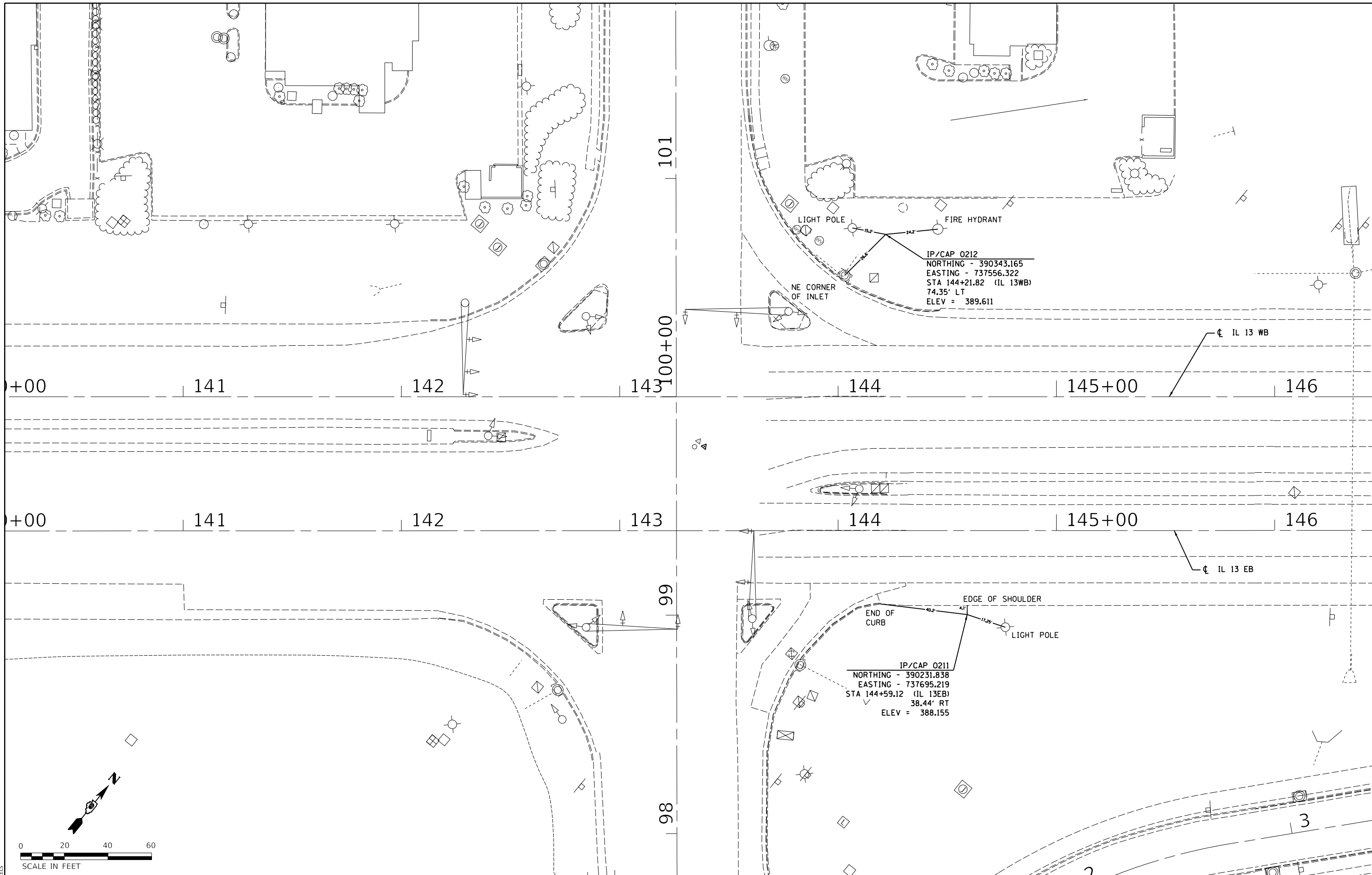
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EARTHWORK
SCHEDULE OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	10
			CONTRACT NO. 78880	
		ILLINOIS	FED. AID PROJECT	



IP/CAP 0212
 NORTHING - 390343.165
 EASTING - 737556.322
 STA 144+21.82 (IL 13WB)
 74.35' LT
 ELEV = 389.611

IP/CAP 0211
 NORTHING - 390231.838
 EASTING - 737695.219
 STA 144+59.12 (IL 13EB)
 38.44' RT
 ELEV = 388.155

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

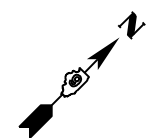
TIE POINTS

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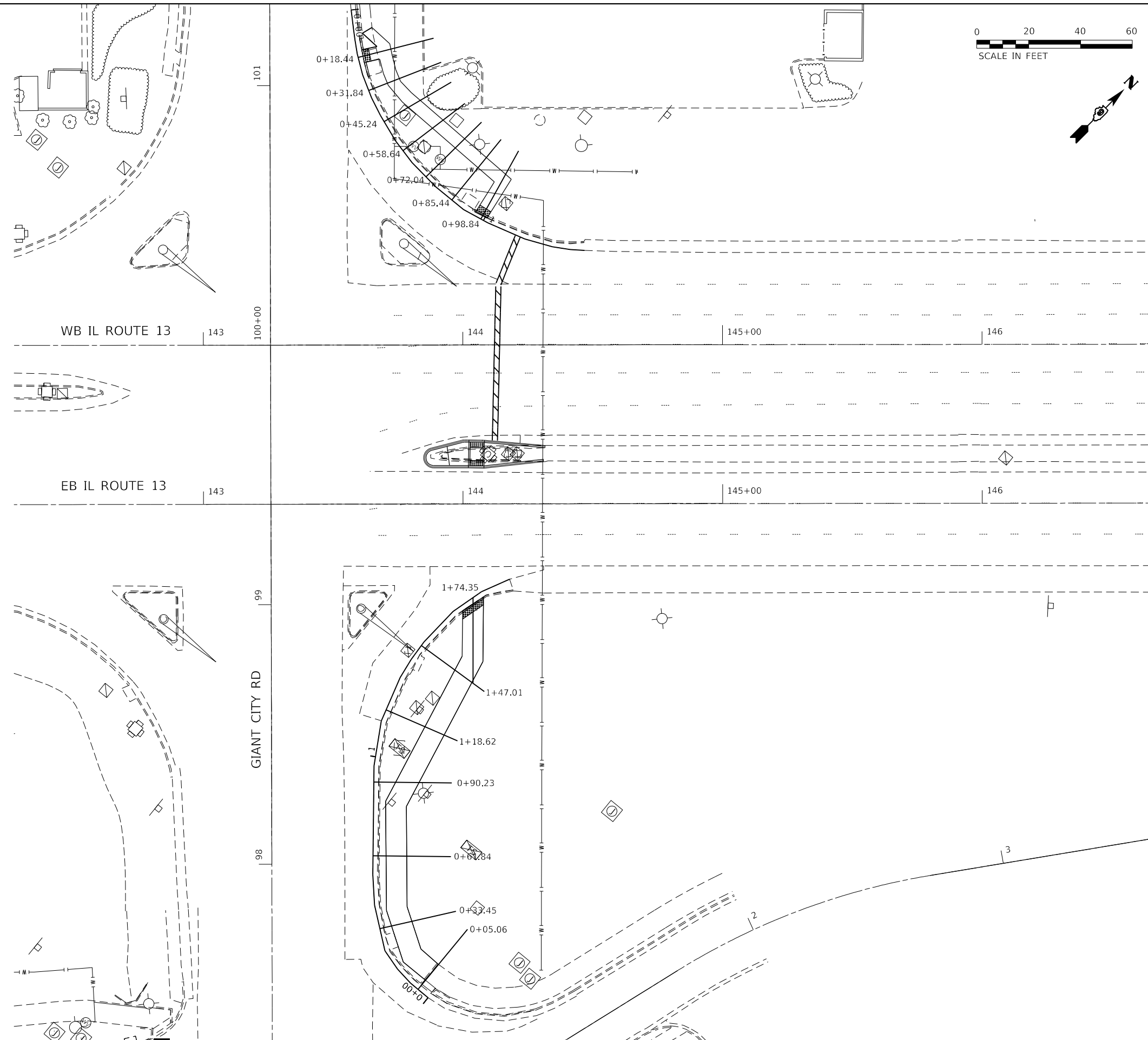
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331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	11
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

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STATIONING ALONG MEDIAN ISLAND RADIUS	MEDIAN ISLAND RADIUS ELEV.	STATIONING ALONG EB IL 13	OFFSET TO EB IL 13 PGL	STATIONING ALONG GIANT CITY ROAD	OFFSET TO GIANT CITY ROAD
	389.50	144+31.65	16.27 LT		
	389.57	144+21.52	15.12 LT		
	389.62	144+11.95	14.28 LT		
	389.64	144+02.21	14.30 LT		
	390.23	143+92.13	14.30 LT	99+52.93	66.14 R
	390.26	143+86.09	20.09 LT	99+54.29	60.00 R
	390.28	143+93.23	22.56 LT	99+61.18	67.24 R
	389.67	144+02.83	24.30 LT		
	389.65	144+11.92	24.06 LT		
	389.59	144+21.66	23.33 LT		
	389.54	144+31.59	22.55 LT		



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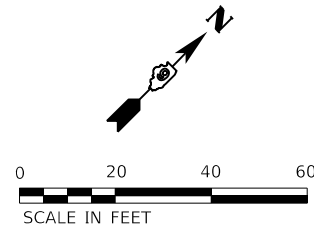
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - GIANT CITY RD
ADA PEDESTRIAN CROSSING LAYOUT

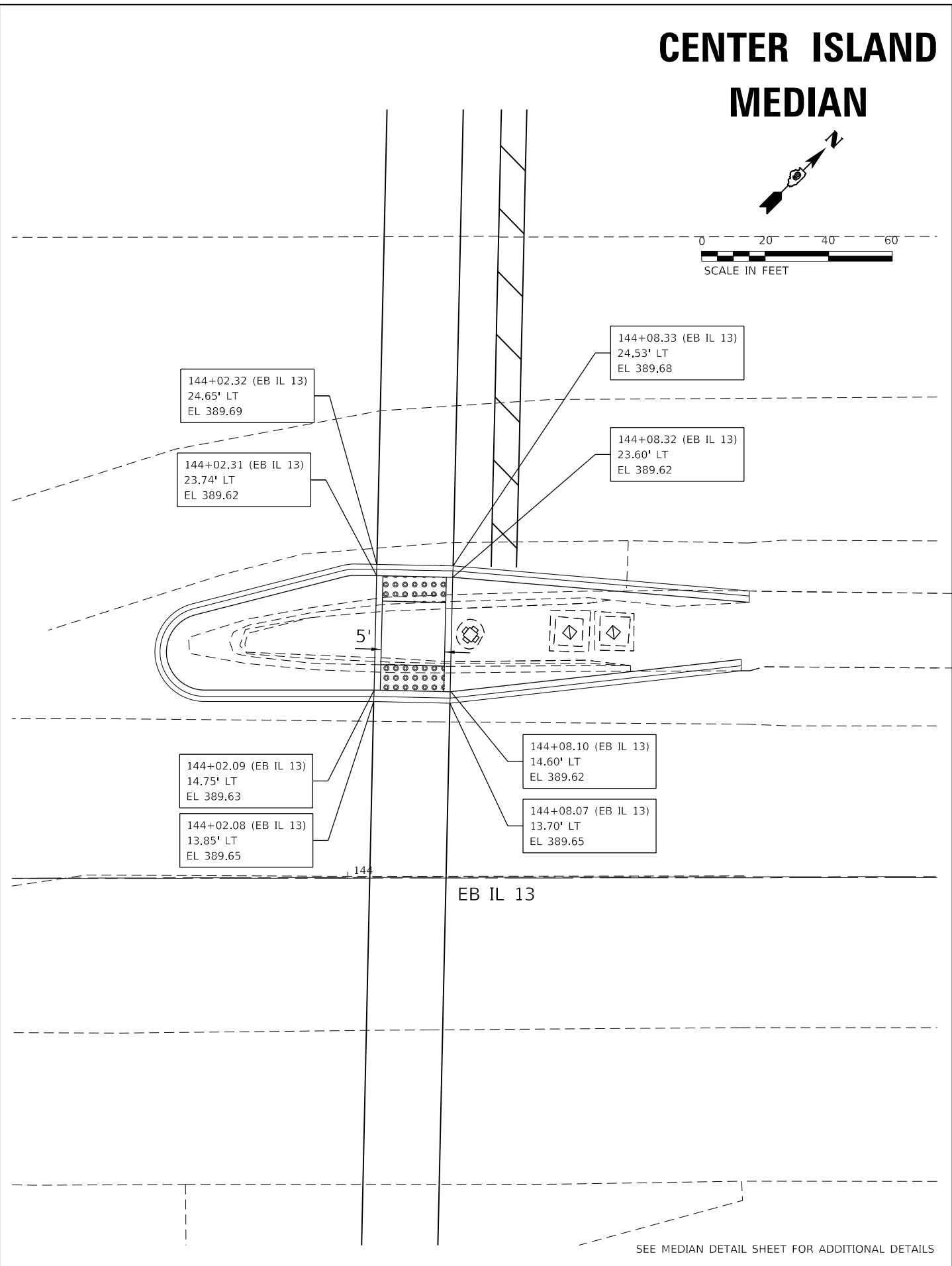
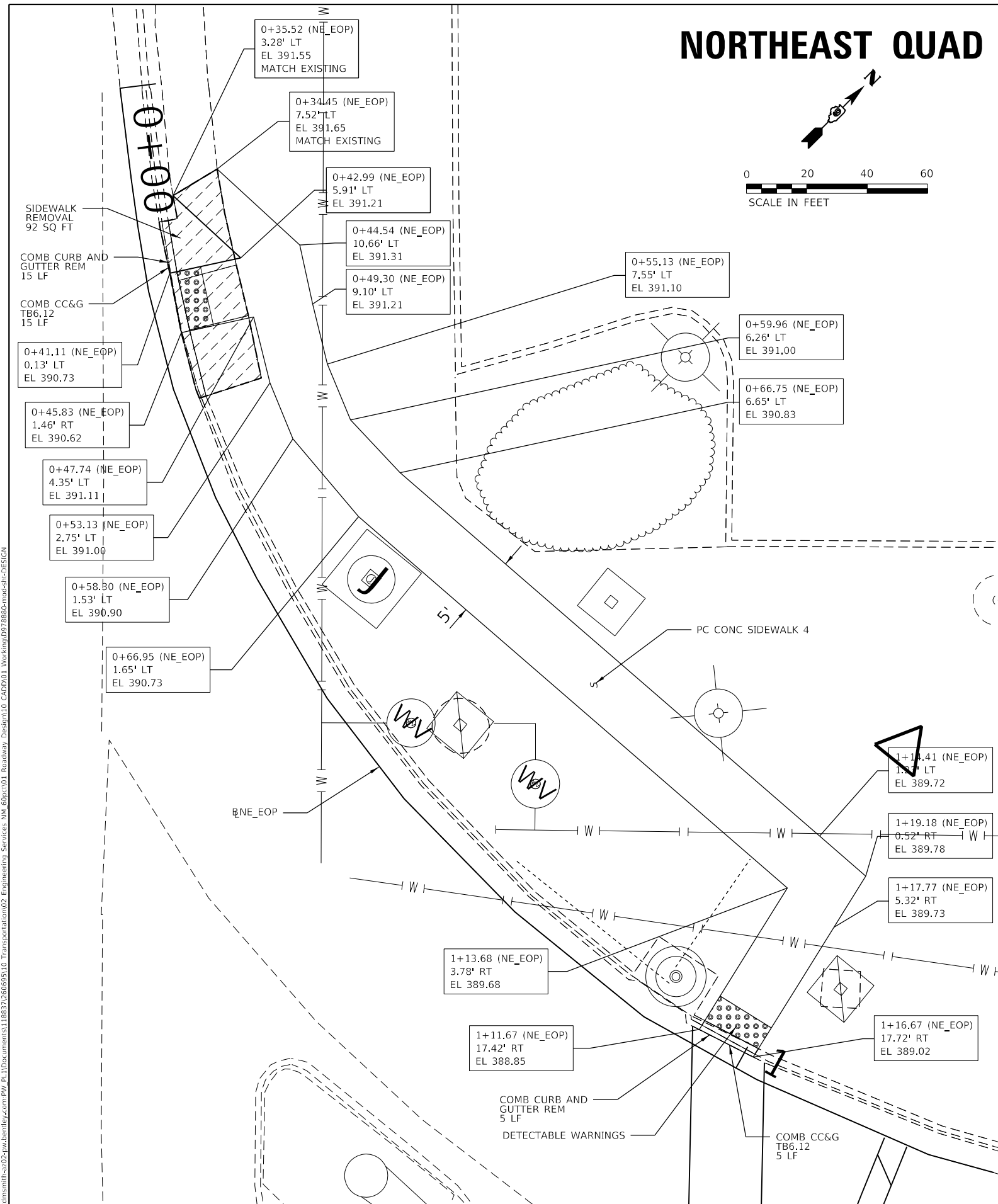
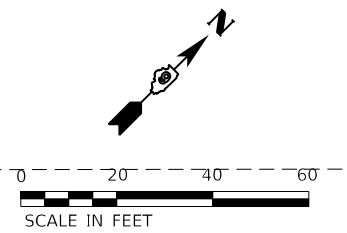
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	12
			CONTRACT NO. 78880	
		ILLINOIS	FED. AID PROJECT	

NORTHEAST QUAD



CENTER ISLAND MEDIAN



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

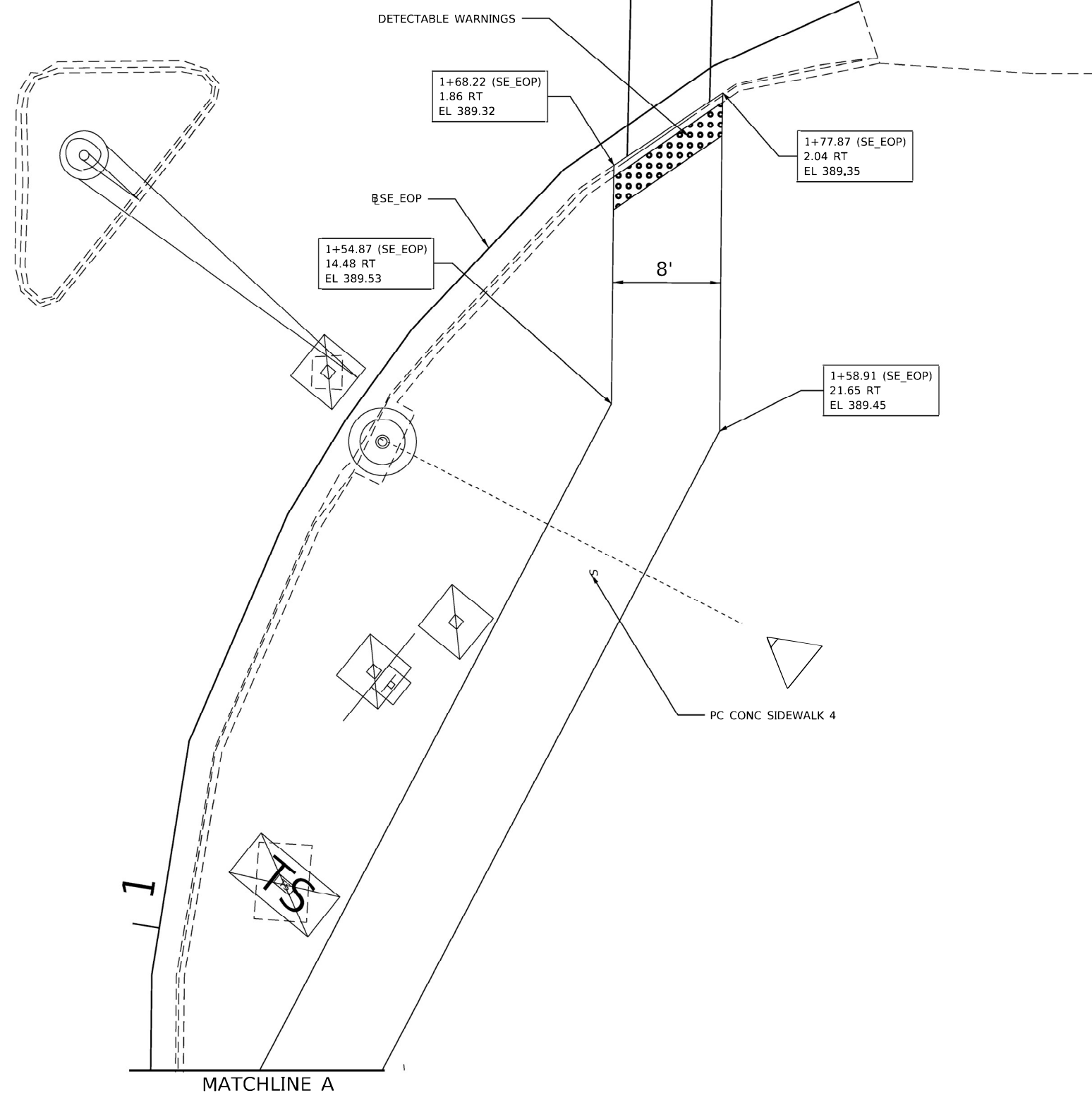
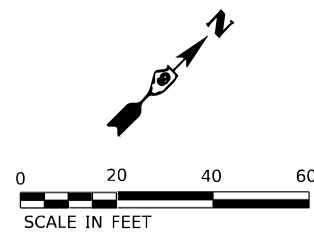
**ROADWAY PLAN - GIANT CITY RD
ADA PEDESTRIAN CROSSING DETAIL**

SCALE: 5 SHEET 2 OF 3 SHEETS STA. TO STA.

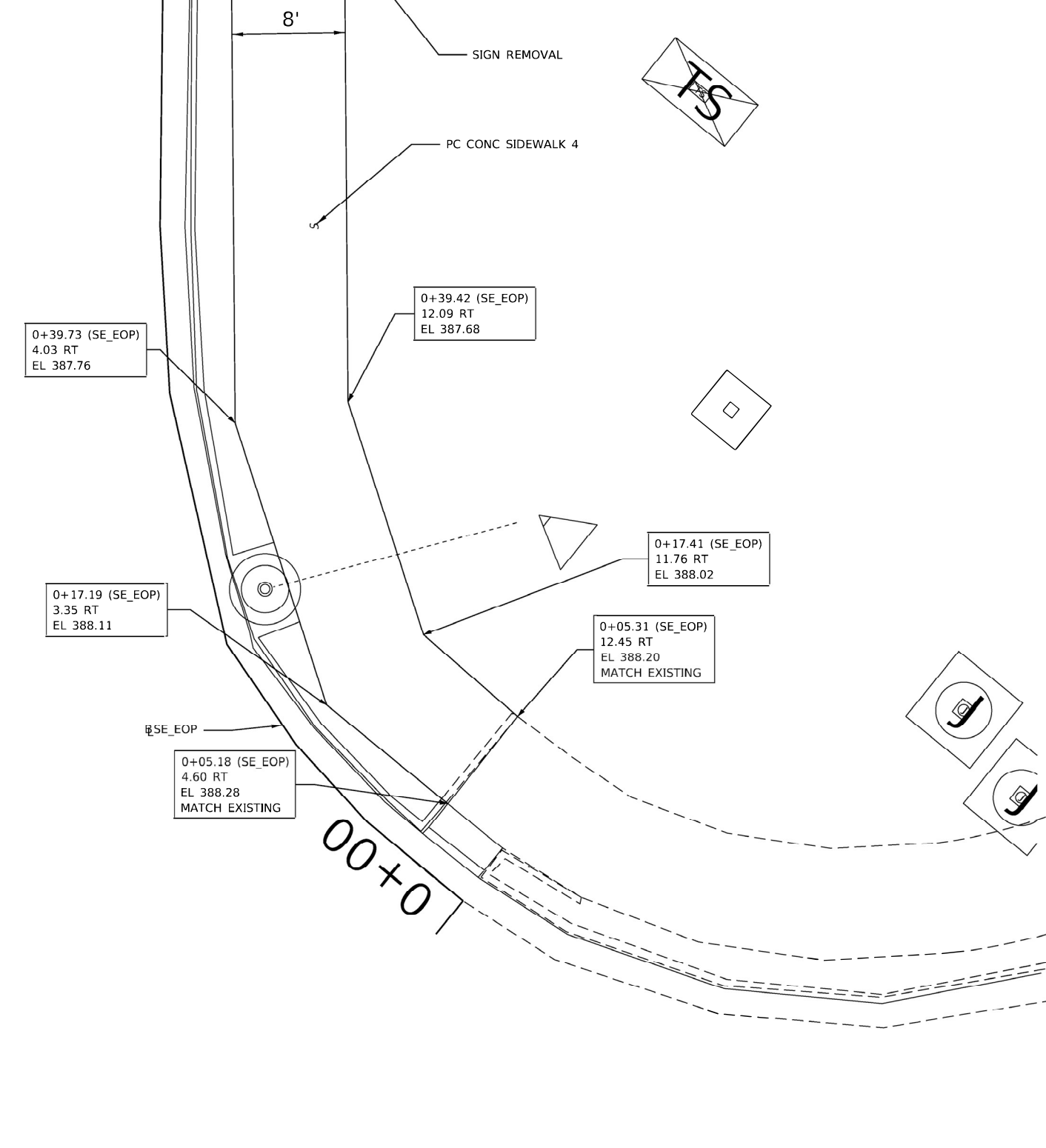
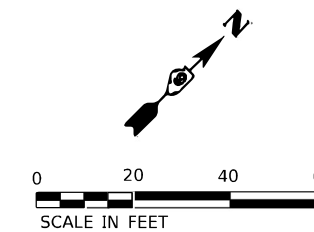
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	13
CONTRACT NO. 78880			ILLINOIS FED. AID PROJECT	

SEE MEDIAN DETAIL SHEET FOR ADDITIONAL DETAILS

SOUTHEAST QUAD



SOUTHEAST QUAD



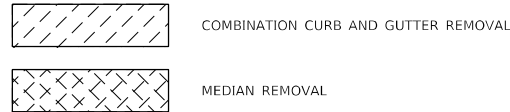
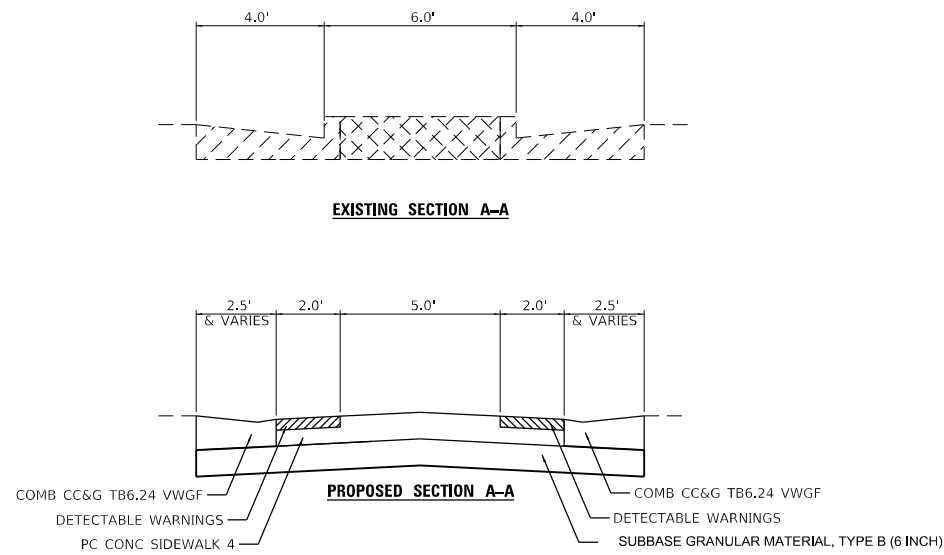
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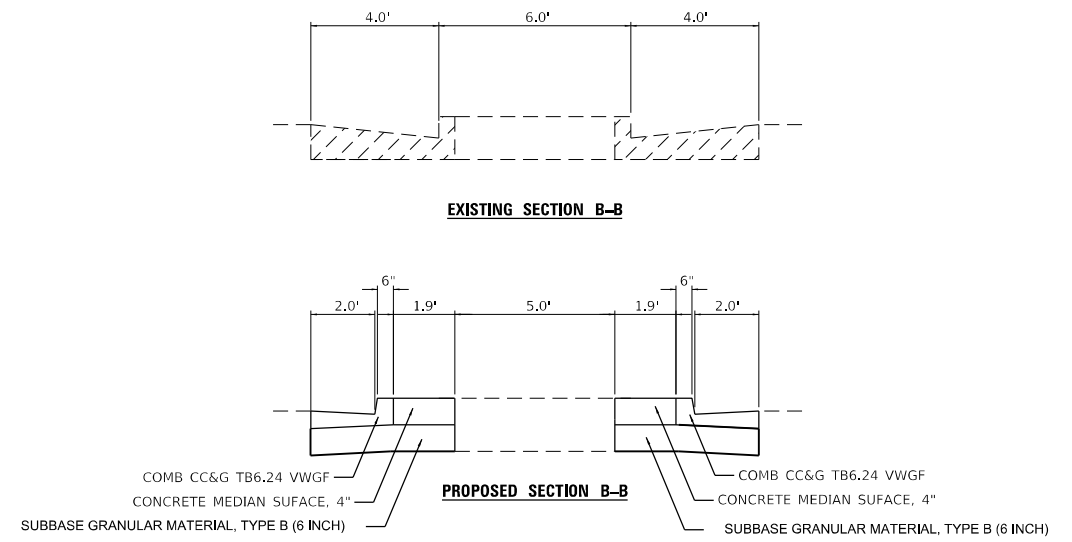
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN - GIANT CITY RD	
ADA PEDESTRIAN CROSSING DETAIL	
SCALE: 5	SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	14
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

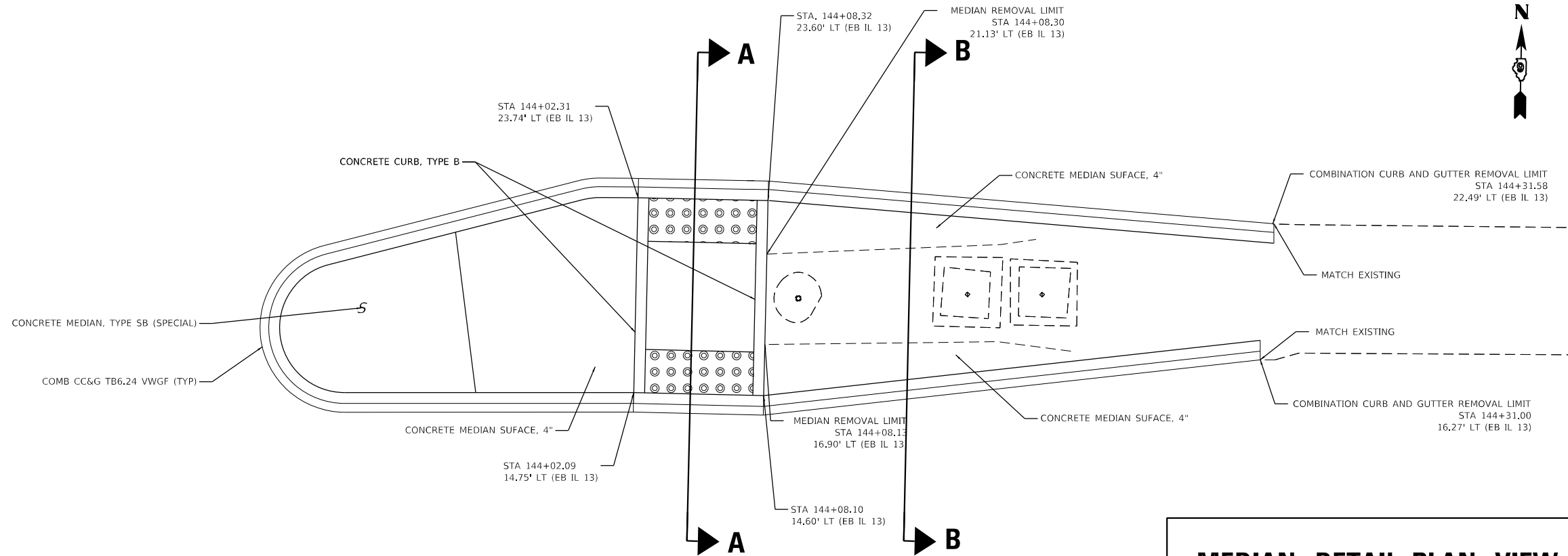


MEDIAN DETAIL SECTION A-A



MEDIAN DETAIL SECTION B-B

NOTE: SEE IDOT HIGHWAY STANDARDS 424031 AND 606301 FOR ADDITIONAL DETAILS



MEDIAN DETAIL PLAN VIEW

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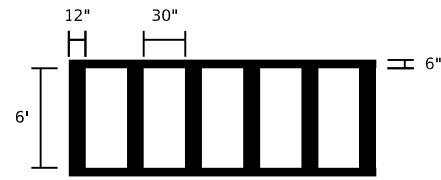
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MEDIAN DETAIL

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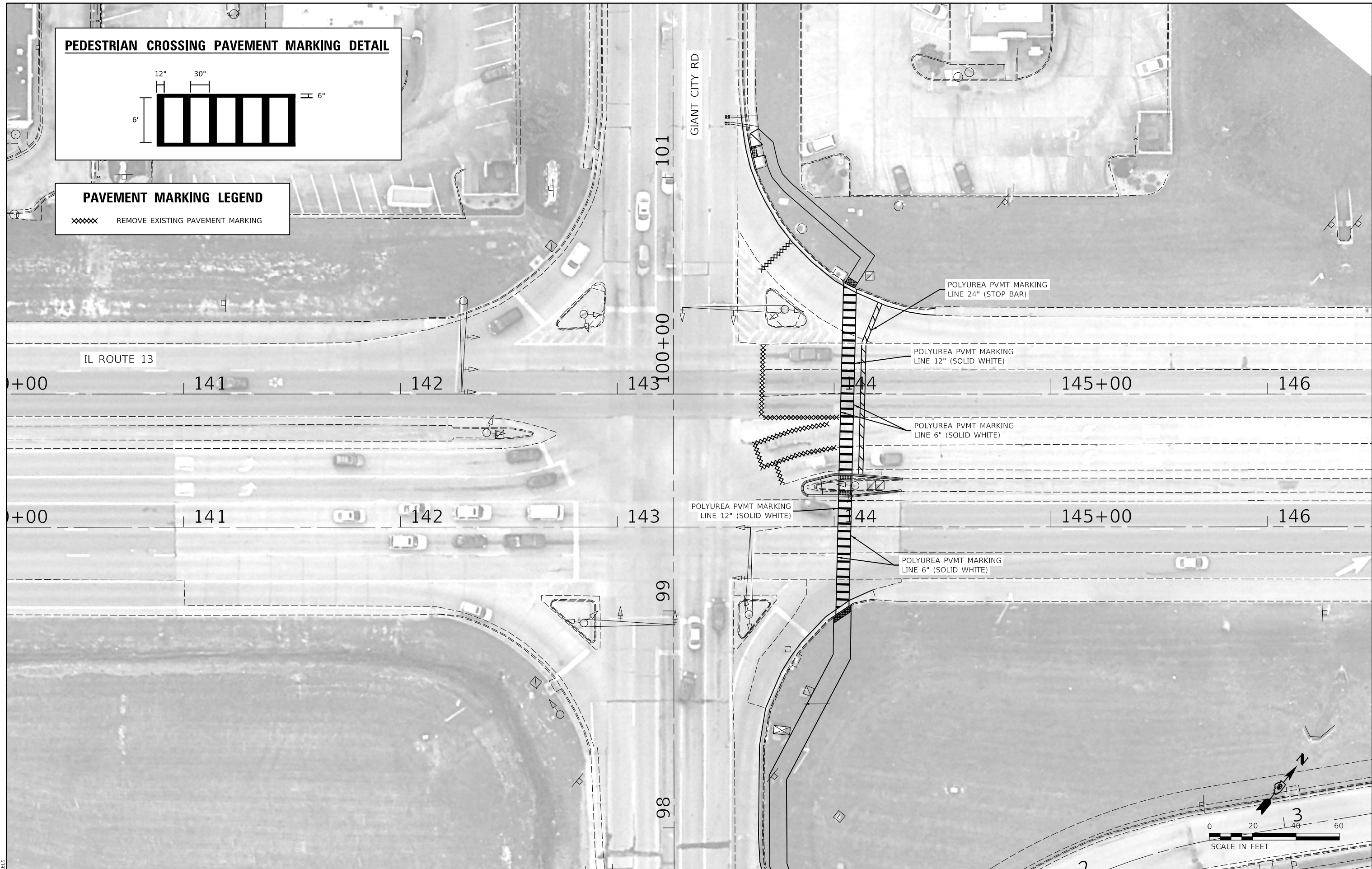
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	15
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

PEDESTRIAN CROSSING PAVEMENT MARKING DETAIL



PAVEMENT MARKING LEGEND

XXXXX REMOVE EXISTING PAVEMENT MARKING



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FILE: \$NAME\$. \$EXT\$

USER NAME = \$USERS	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - ASG	REVISED -
PLOT DATE = \$DATE\$	DATE - 1/13/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKINGS
IL ROUTE 13 AND GIANT CITY ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	16
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THIS WORK SHALL BE PAID FOR UNDER "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH TRAFFIC SIGNAL CONTROLLER
- 11 EACH LOOP AMPLIFIER

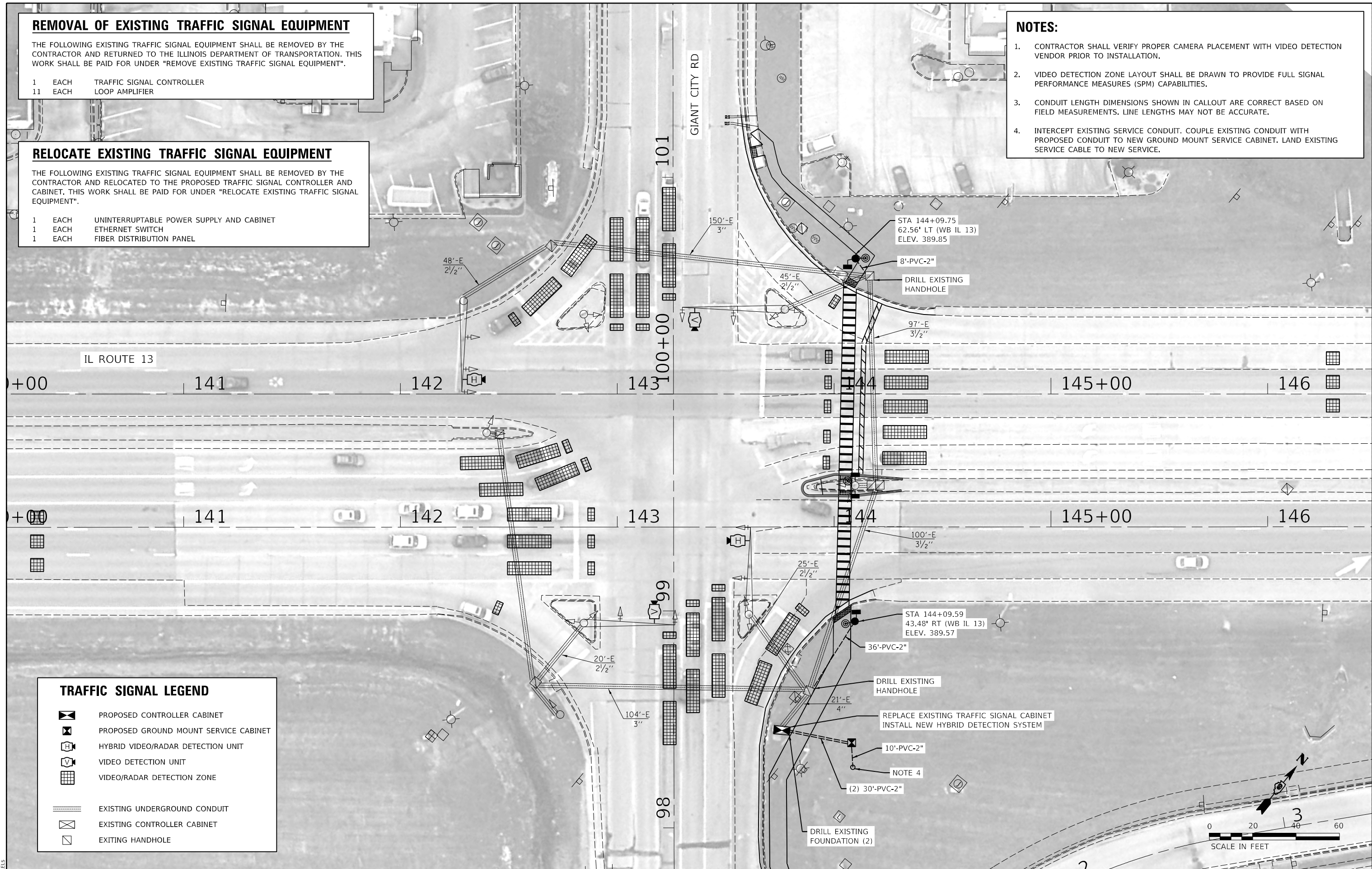
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

- 1 EACH UNINTERRUPTABLE POWER SUPPLY AND CABINET
- 1 EACH ETHERNET SWITCH
- 1 EACH FIBER DISTRIBUTION PANEL

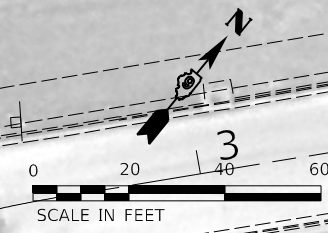
NOTES:

1. CONTRACTOR SHALL VERIFY PROPER CAMERA PLACEMENT WITH VIDEO DETECTION VENDOR PRIOR TO INSTALLATION.
2. VIDEO DETECTION ZONE LAYOUT SHALL BE DRAWN TO PROVIDE FULL SIGNAL PERFORMANCE MEASURES (SPM) CAPABILITIES.
3. CONDUIT LENGTH DIMENSIONS SHOWN IN CALLOUT ARE CORRECT BASED ON FIELD MEASUREMENTS. LINE LENGTHS MAY NOT BE ACCURATE.
4. INTERCEPT EXISTING SERVICE CONDUIT. COUPLE EXISTING CONDUIT WITH PROPOSED CONDUIT TO NEW GROUND MOUNT SERVICE CABINET. LAND EXISTING SERVICE CABLE TO NEW SERVICE.



TRAFFIC SIGNAL LEGEND

	PROPOSED CONTROLLER CABINET
	PROPOSED GROUND MOUNT SERVICE CABINET
	HYBRID VIDEO/RADAR DETECTION UNIT
	VIDEO DETECTION UNIT
	VIDEO/RADAR DETECTION ZONE
	EXISTING UNDERGROUND CONDUIT
	EXISTING CONTROLLER CABINET
	EXISTING HANDHOLE



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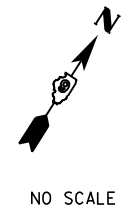
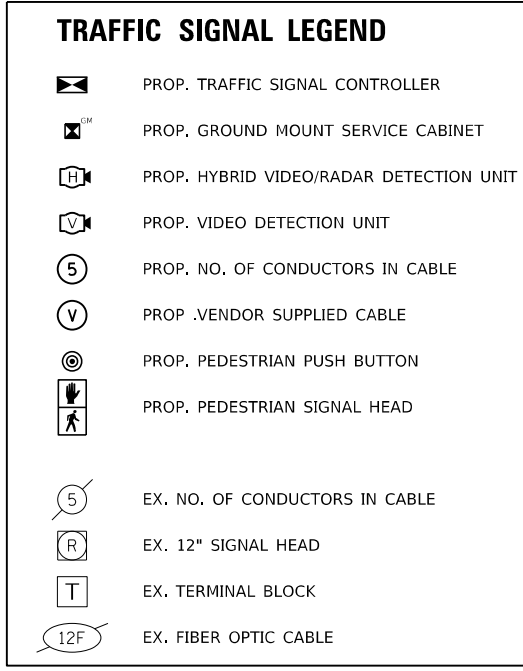
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	DATE - 2/14/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNALS
IL ROUTE 13 AND GIANT CITY ROAD**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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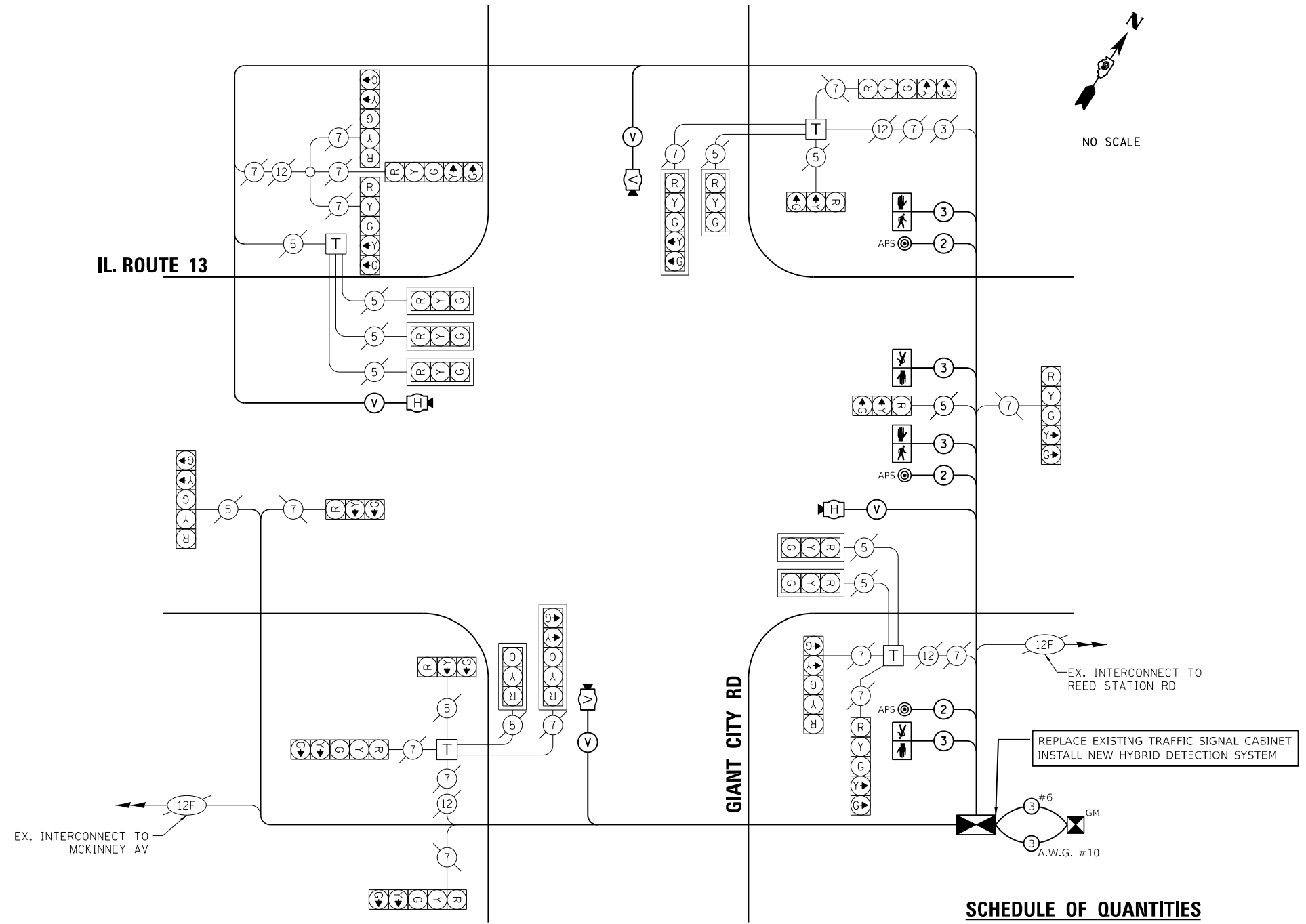
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	17
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				



NO SCALE

IL. ROUTE 13

GIANT CITY RD

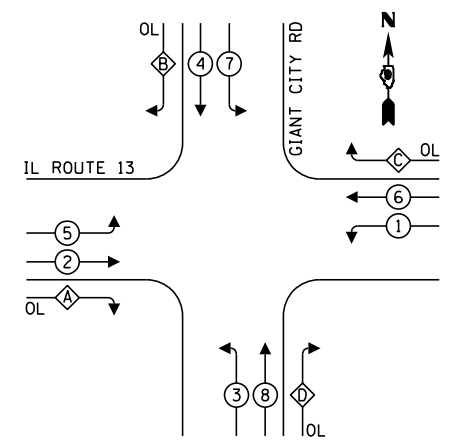


CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
LOCATING UNDERGROUND CABLE	FOOT	5
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	135
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	40
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	504
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	689
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	54
TRAFFIC SIGNAL POST, 10 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING FOUNDATION	EACH	2
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	0.5
CONDUIT SPLICE	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	3
VIDEO VEHICLE DETECTION SYSTEM	EACH	1

EXISTING CONTROLLER SEQUENCE



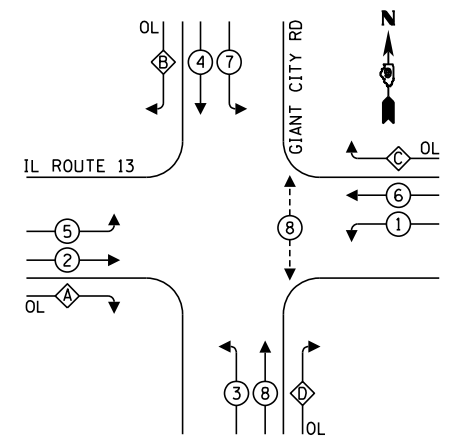
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
B	= 4 +	5
C	= 6 +	7
D	= 8 +	1

PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
B	= 4 +	5
C	= 6 +	7
D	= 8 +	1

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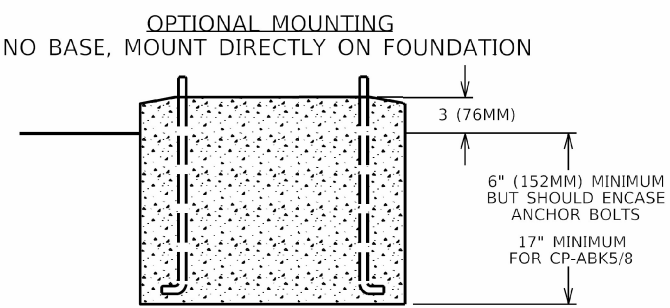
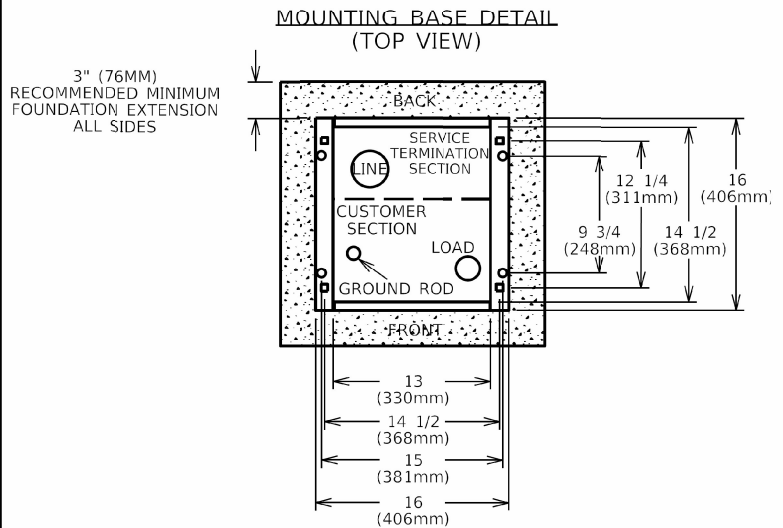
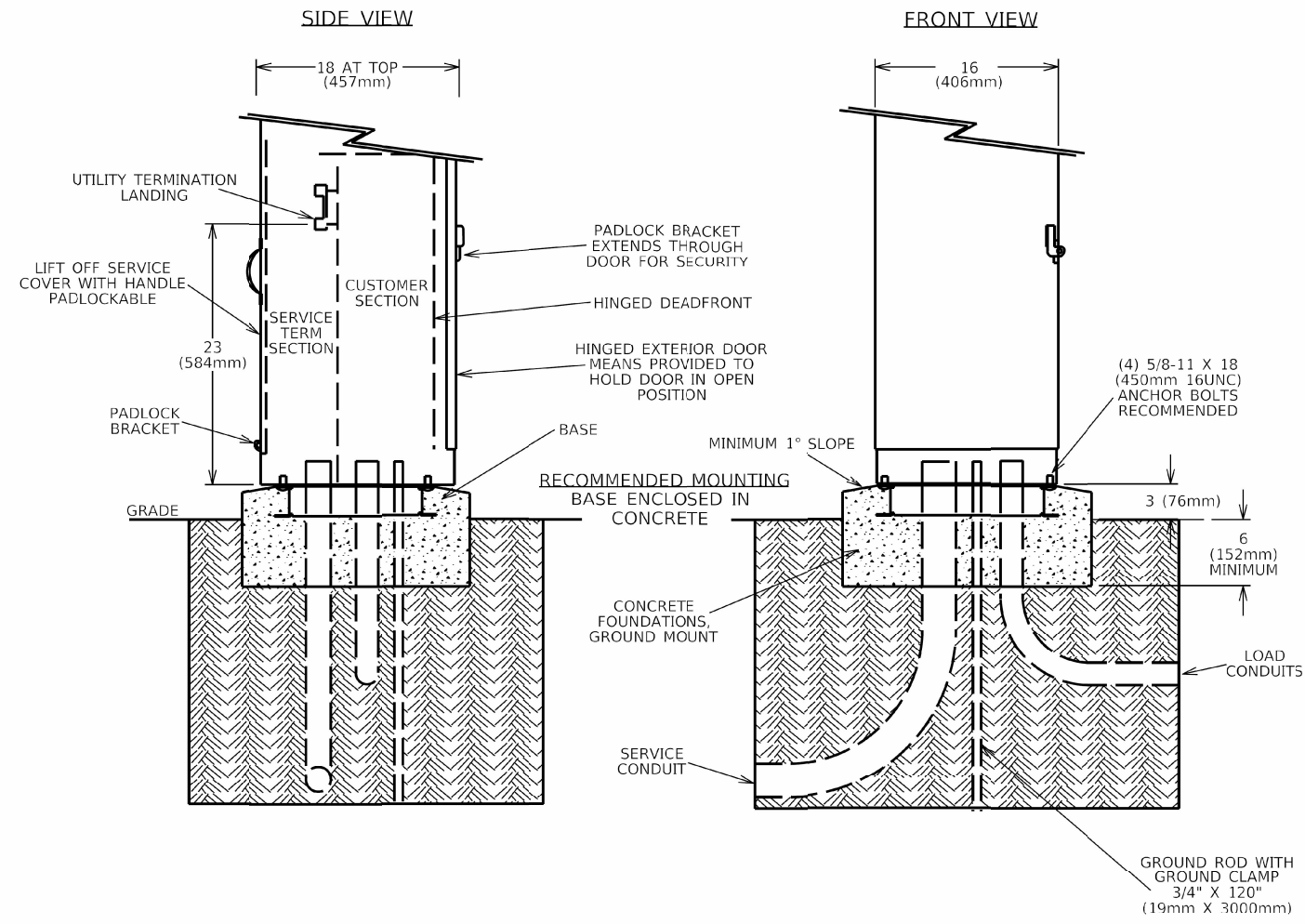
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WIRING DIAGRAM
IL ROUTE 13 AND GIANT CITY ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	18
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

**CABINET FOR SERVICE INSTALLATION, GROUND MOUNT
AND CONCRETE FOUNDATIONS, GROUND MOUNT**



- PEDESTAL MOUNTING HOLES
- ANCHOR BOLT MOUNTING HOLES

STANDARD: 9-51

REVISIONS	
DRAWN	03-02-22
REVISION	
REVISION	
REVISION	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

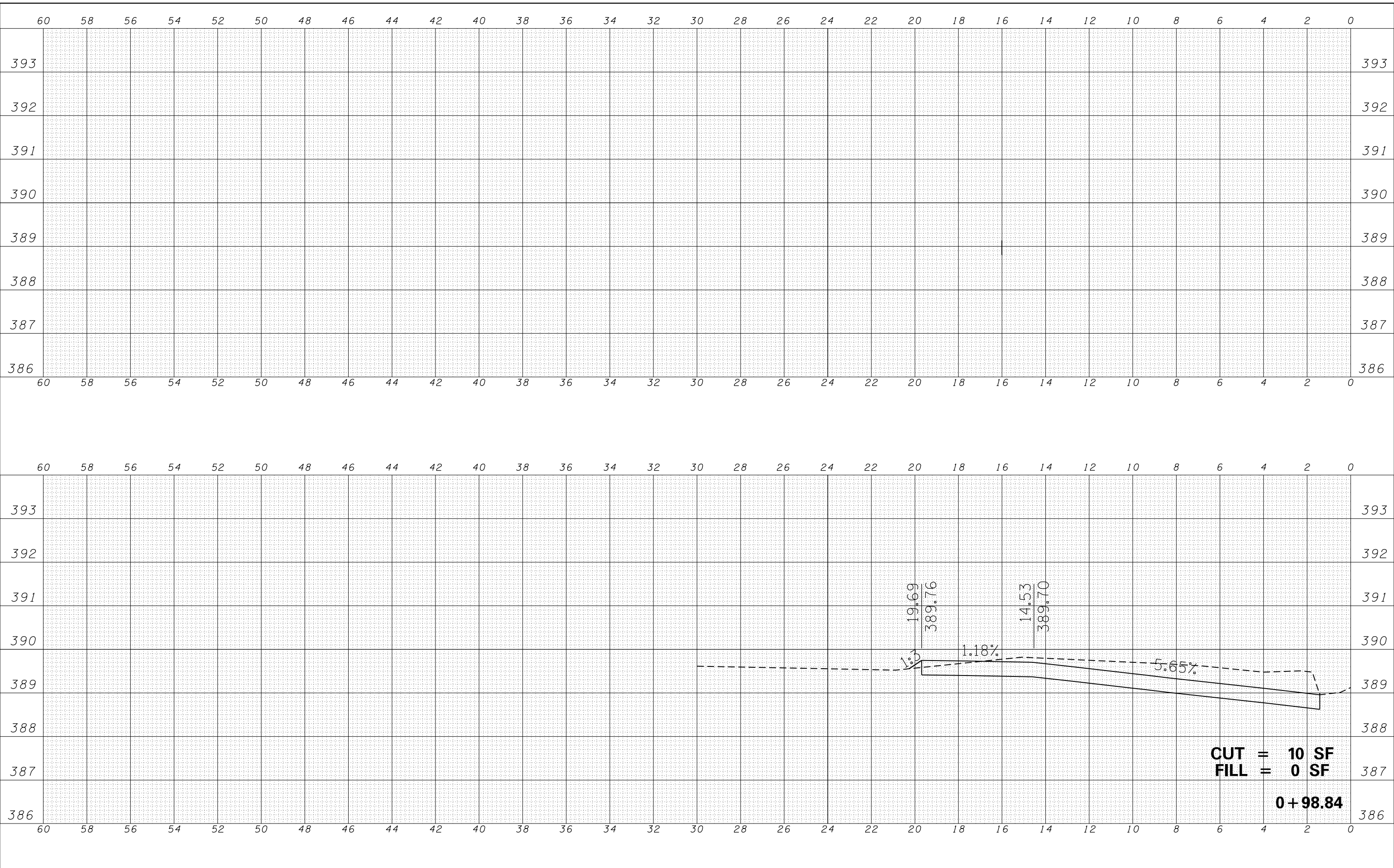
GROUND MOUNT SERVICE DETAIL	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	D9 TRAFFIC SIGNAL 2021-2	JACKSON	25	18A
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

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CUT = 10 SF
FILL = 0 SF

0+98.84

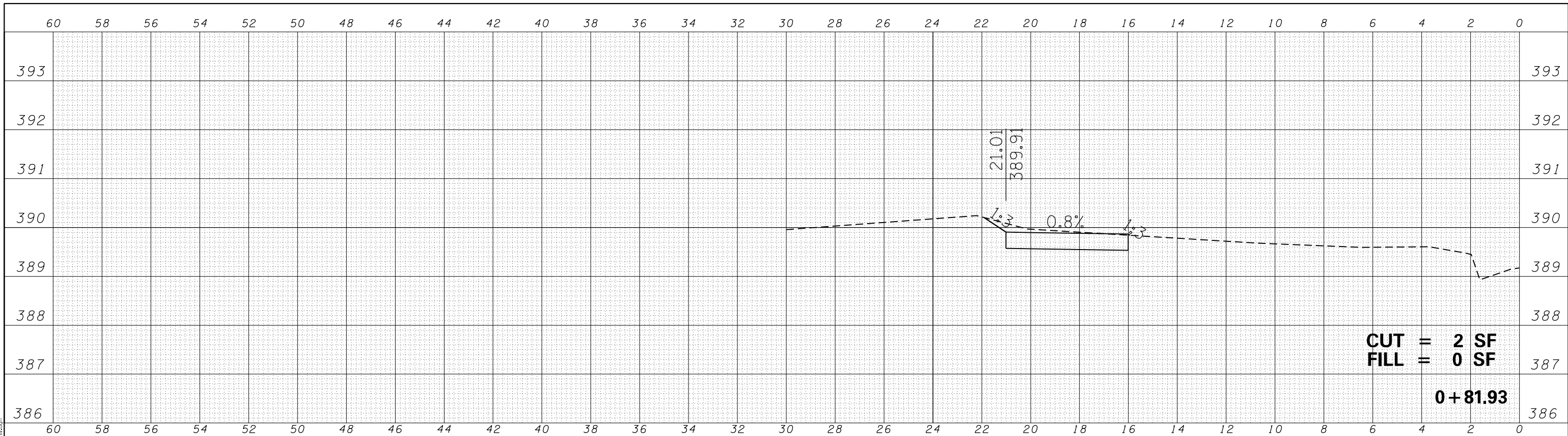
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

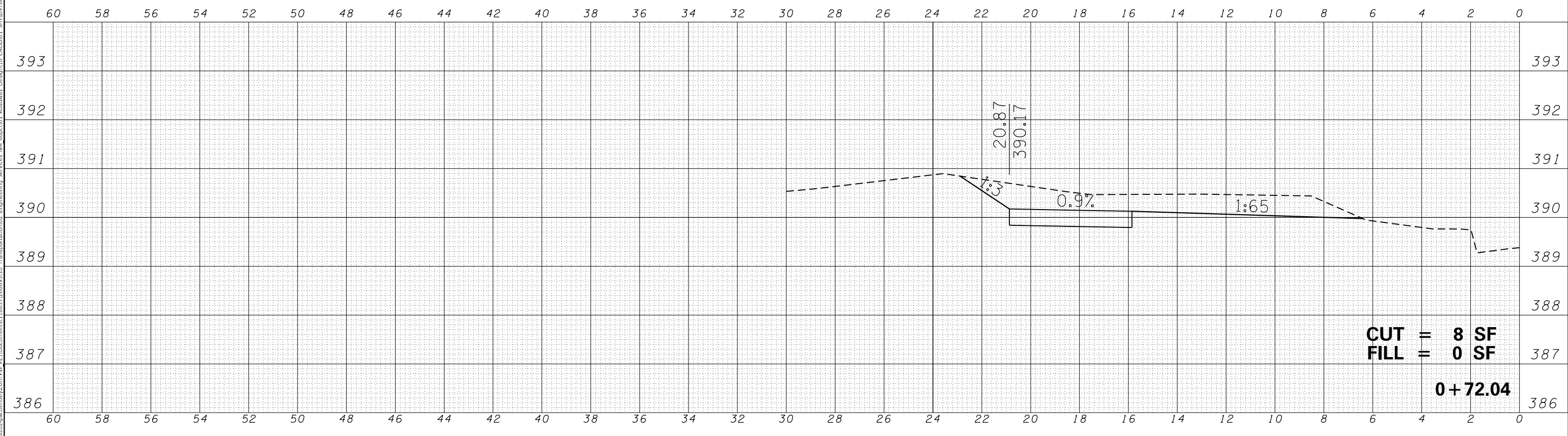
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RTE 13/GIANT CITY RD NORTHEAST QUADRANT			
SCALE: _____	SHEET 4	OF 7 SHEETS	STA. 0+66.85 TO STA. 0+81.93

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	19
				CONTRACT NO. 78880
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



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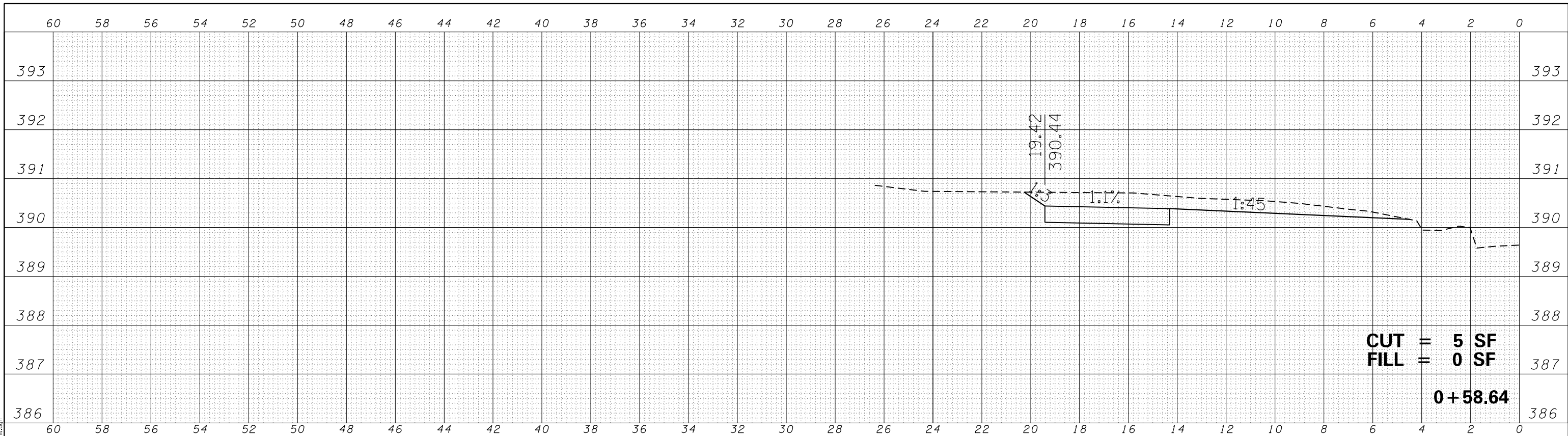
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PLOT DATE = 2/2/2022	DATE - 1/4/22	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

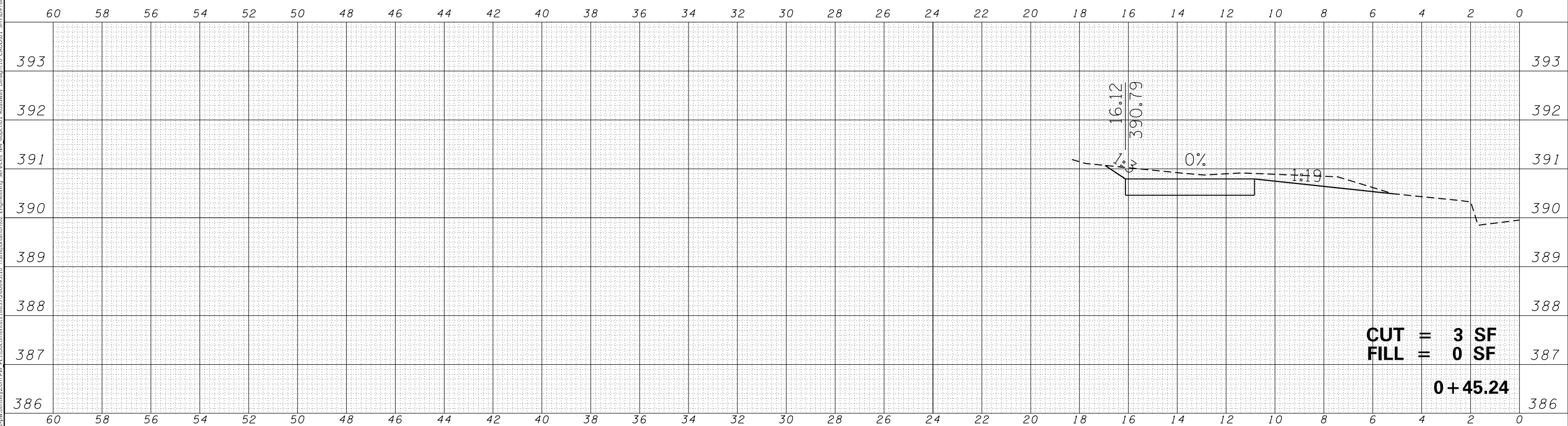
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RTE 13/GIANT CITY RD NORTHEAST QUADRANT			
SCALE: _____	SHEET 3	OF 7 SHEETS	STA. 0+66.85 TO STA. 0+81.93

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	20
				CONTRACT NO. 78880
				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
SURVEYED	
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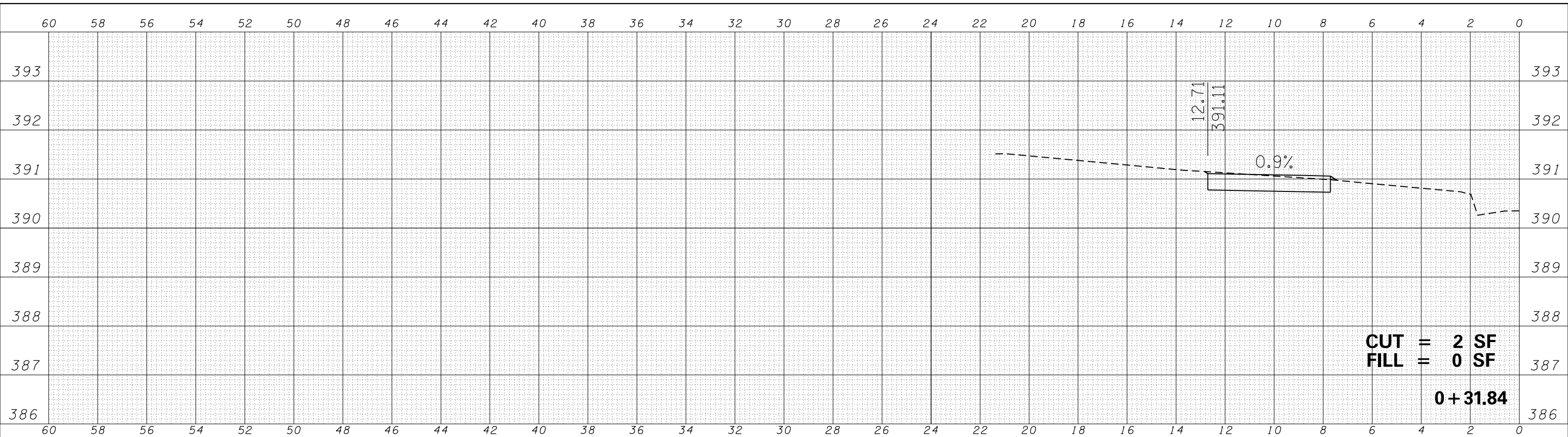
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
RTE 13/GIANT CITY RD NORTHEAST QUADRANT**

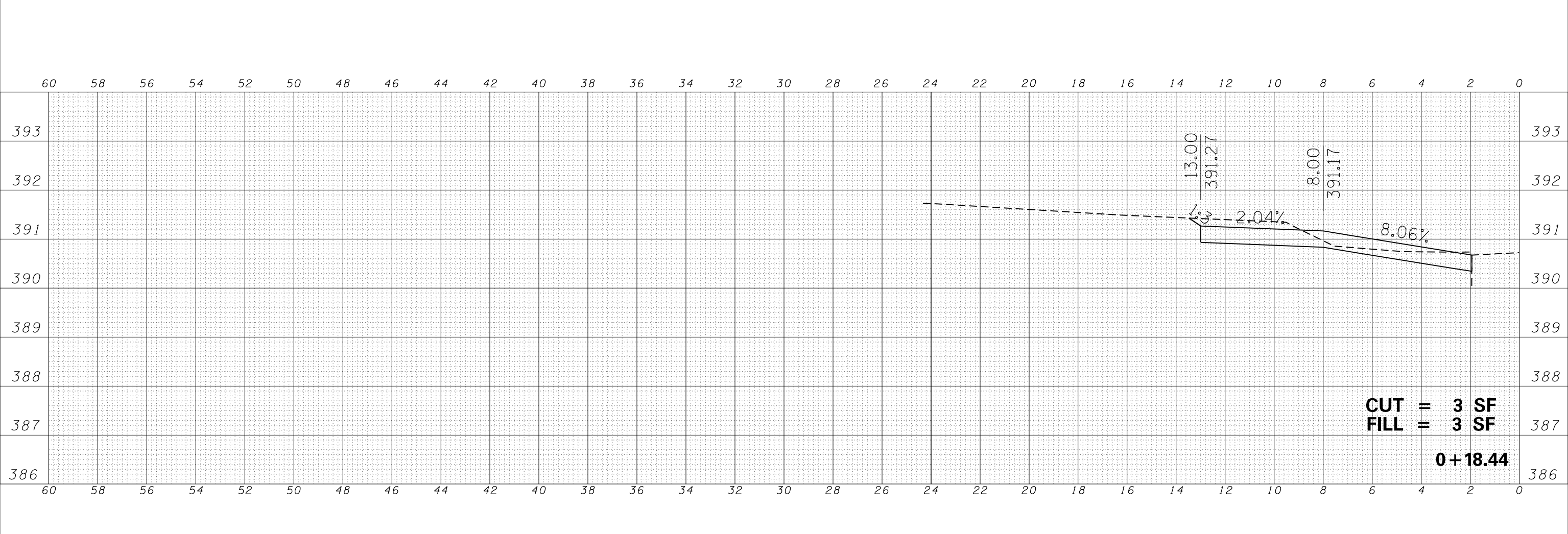
SCALE: _____ SHEET 2 OF 7 SHEETS STA. 0+36.69 TO STA. 0+51.77

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	21
			CONTRACT NO. 78880	
		ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
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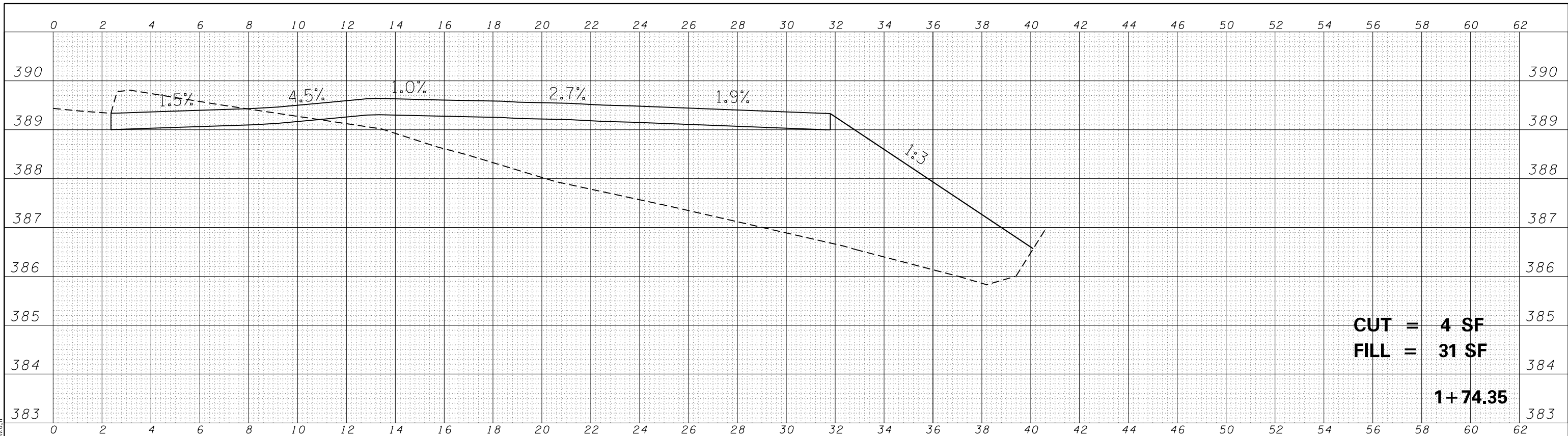
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

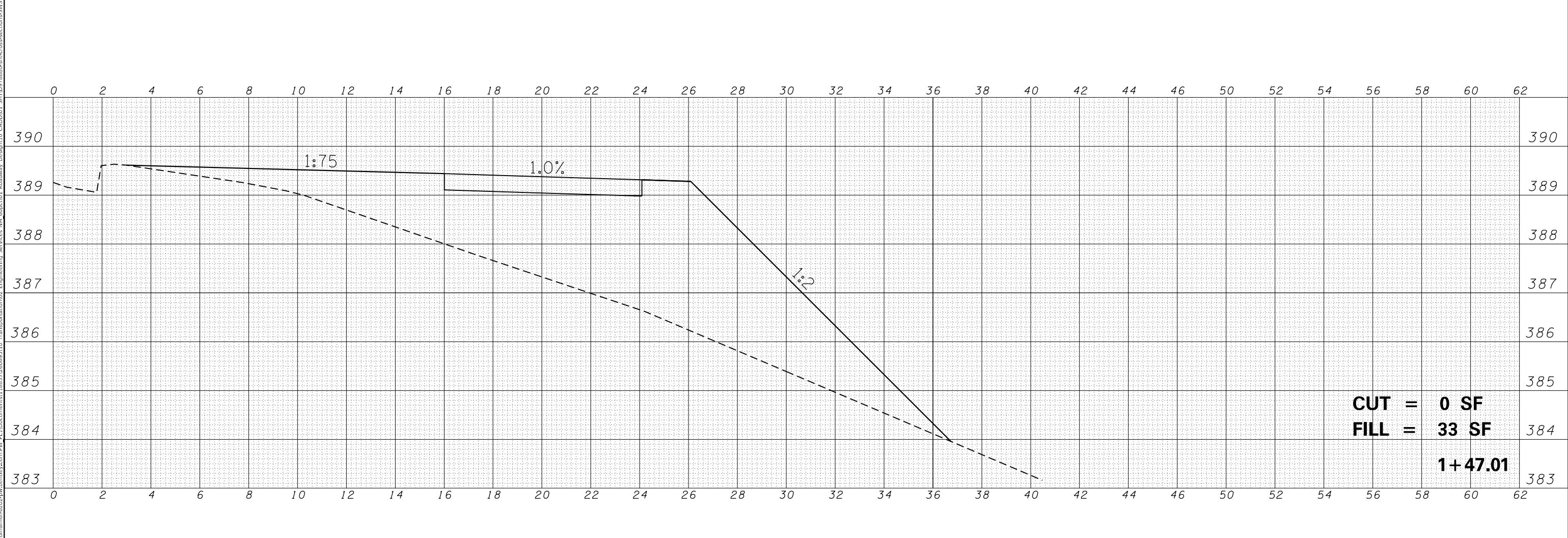
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RTE 13/GIANT CITY RD NORTHEAST QUADRANT			
SCALE: _____	SHEET 1	OF 7	SHEETS
		STA. 0+06.53 TO STA. 0+21.61	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	22
			CONTRACT NO. 78880	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	



DATE	
BY	
SURVEYED	
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TEMPLATE	
AREAS	
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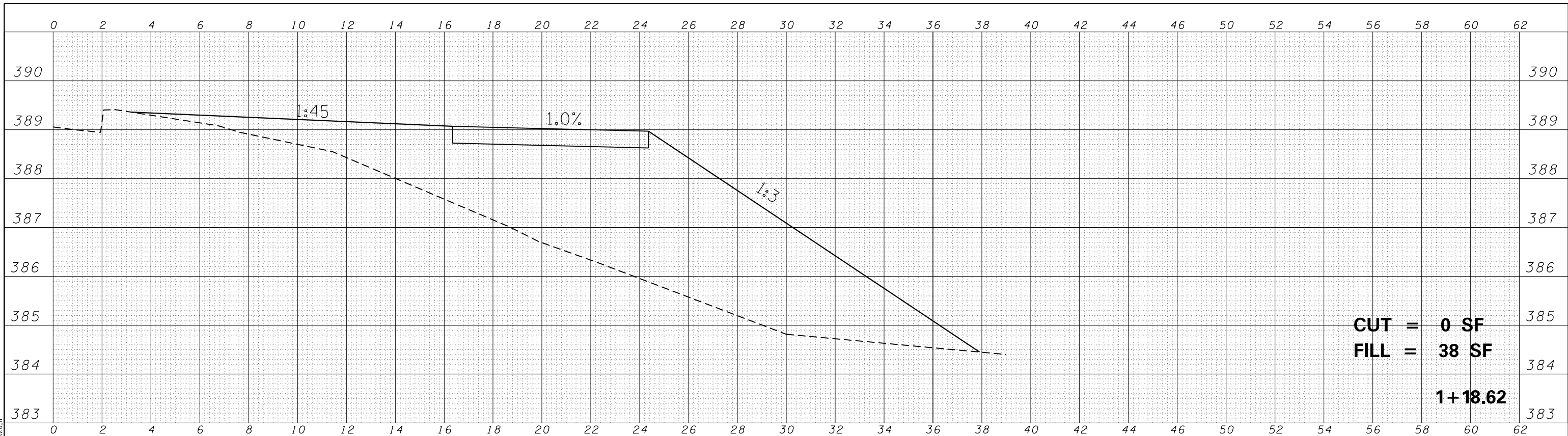
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
RTE 13/GIANT CITY RD SOUTHEAST QUADRANT**

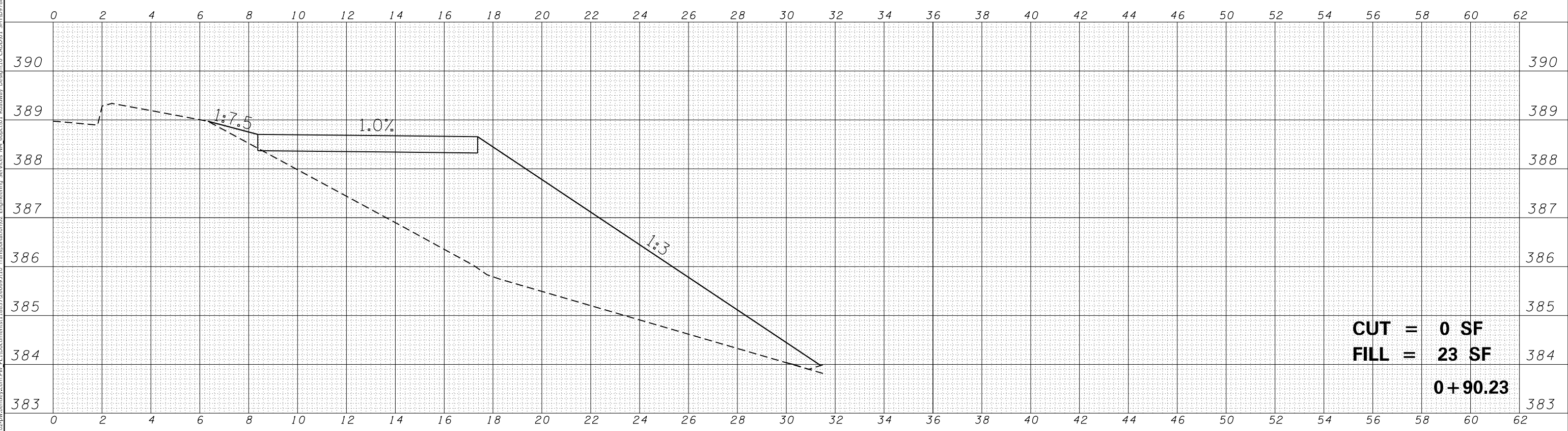
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	23
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	



DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK TEMPLATE	
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PLOT DATE = 2/2/2022	DATE - 12/3/21	REVISED -

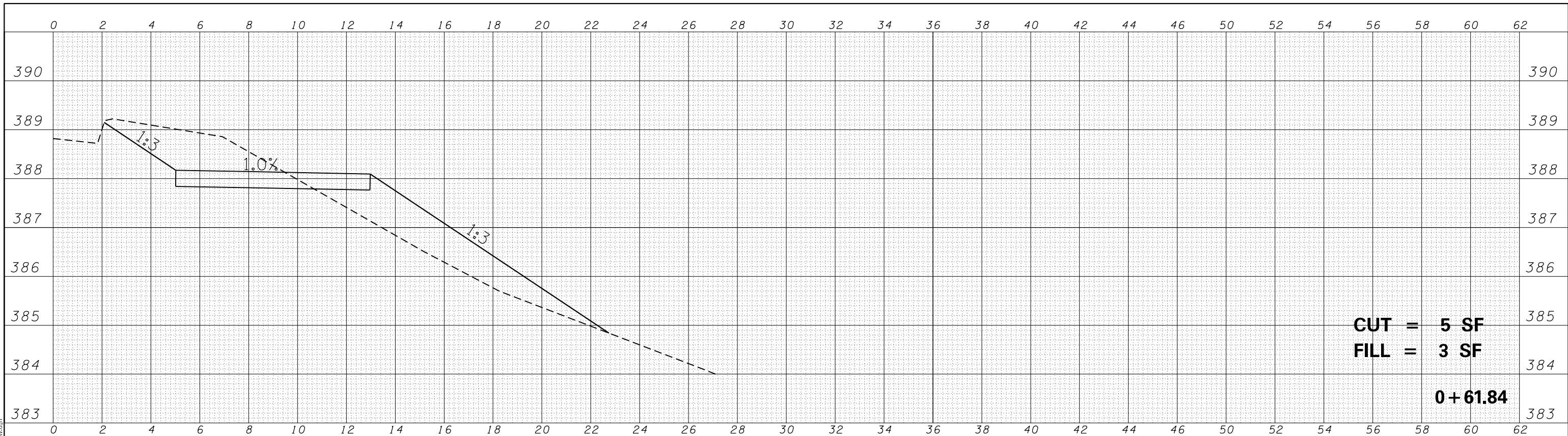
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
RTE 13/GIANT CITY RD SOUTHEAST QUADRANT**

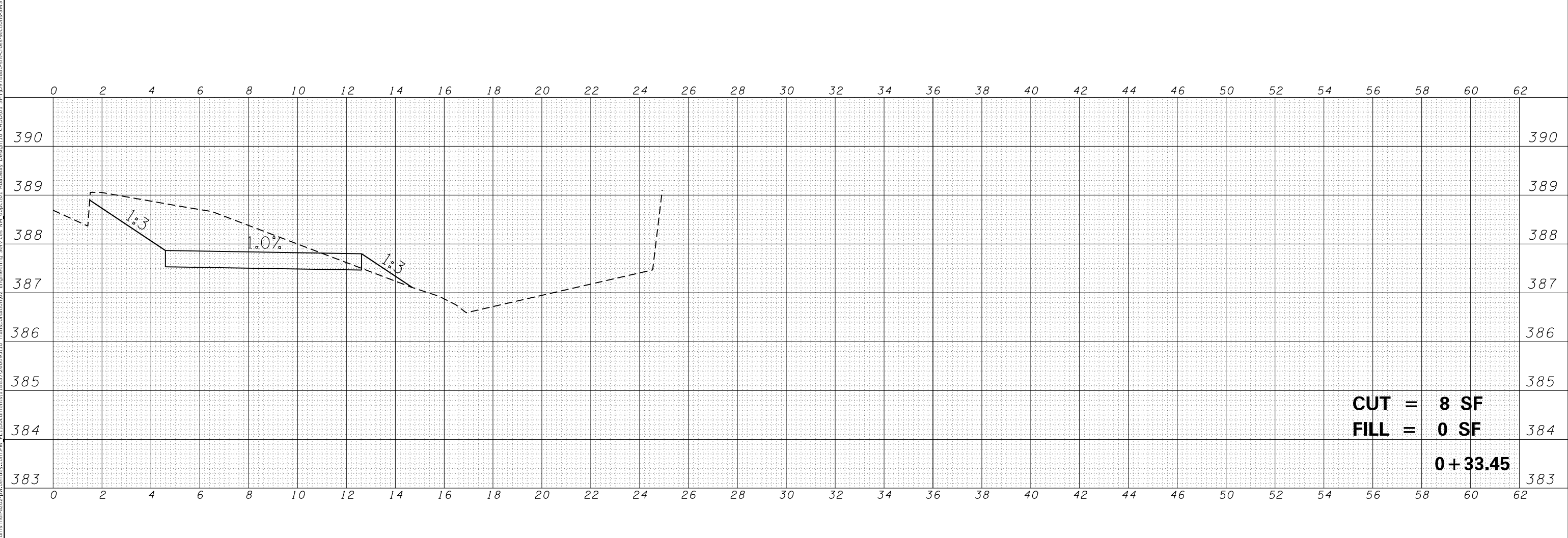
SCALE: SHEET 5 OF 6 SHEETS STA. 0+90.23 TO STA. 1+18.62

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	24
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
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USER NAME =	JAROSZK	DESIGNED -	MSO	REVISED -	
		DRAWN -	KJ	REVISED -	
PLOT SCALE =	4,0000' / in.	CHECKED -	ACC	REVISED -	
PLOT DATE =	2/2/2022	DATE -	12/3/21	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
RTE 13/GIANT CITY RD SOUTHEAST QUADRANT**

SCALE: SHEET 4 OF 6 SHEETS STA. 0+33.45 TO STA. 0+61.84

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	25	25
CONTRACT NO. 78880				
ILLINOIS FED. AID PROJECT				