

LEGEND



SEEDING CLASS 2A  
TOPSOIL 4"  
WILDLIFE FRIENDLY EROSION CONTROL BLANKET



SEEDING CLASS 2A  
TOPSOIL 4"  
EROSION CONTROL BLANKET (SPECIAL)



SEEDING CLASS 4  
SEEDING CLASS 5  
WILDLIFE FRIENDLY EROSION CONTROL BLANKET



SODDING, SALT TOLERANT  
TOPSOIL 4"

NOTES:

- VILLAGE WATER AND SEWER MAINS MAY BE LOCATED IN THE LANDSCAPE AREA.
- THE CONTRACTOR WILL NOT BE ALLOWED TO PROCEED WITH ANY PLANTING WORK UNTIL ALL UTILITY OWNERS FIELD LOCATE THEIR FACILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS.
- THE ACTUAL LOCATION OF PROPOSED LANDSCAPING WILL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES.
- INTERSEEDING, CLASS 2A IS TO BE USED TO RENOVATE AREAS WHERE EXISTING TURF IS IN POOR CONDITION. EXACT LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
- UNDERBRUSH OR DEBRIS AT PLANTING LOCATIONS SHALL BE REMOVED AND DISPOSED OF ACCORDING TO SECTION 201 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COSTS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

MODEL: Default  
FILE NAME: 20210325\_01 IDOT D1 RTE 199-013 WO 1 IL 58 at Barrington DGN Design Prelim(RotFeets)D162N97-sh-Indsp-01.dgn



USER NAME = J.Berggren	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/2/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58 AT BARRINGTON RD  
LANDSCAPING PLAN

SCALE: 1" = 50'    SHEET 1 OF 3 SHEETS    STA. 29+76 TO STA. 42+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	201
CONTRACT NO. 62N97				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default  
FILE NAME: 20210325\_01 IDOT D1 PTE 199-013.WO 1 IL 58 at Barrington DGN Design Prelim(Rot)FeetsD162N97-sh-Indep-d12.dgn

LEGEND



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TOPSOIL 4"  
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TOPSOIL 4"  
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SEEDING CLASS 5  
WILDLIFE FRIENDLY EROSION CONTROL BLANKET



SODDING, SALT TOLERANT  
TOPSOIL 4"

**EFK Moen**  
Civil Engineering Design

USER NAME = J.Berggren

DESIGNED -

REVISED -

DRAWN -

REVIS

REVISED -

PLOT SCALE = 100,000 ' / in.

CHECKED -

REVISED -

PLOT DATE = 6/2/2025

DATE -

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58 AT BARRINGTON RD  
LANDSCAPING PLAN

SCALE: 1" = 50'

SHEET 2

OF 3

SHEETS

STA. 42+00

TO STA. 55+00

F.A.P.  
RTE.

SECTION

COUNTY

TOTAL  
SHEETS

SHEET  
NO.

559

2021-060-SW-T&N

COOK

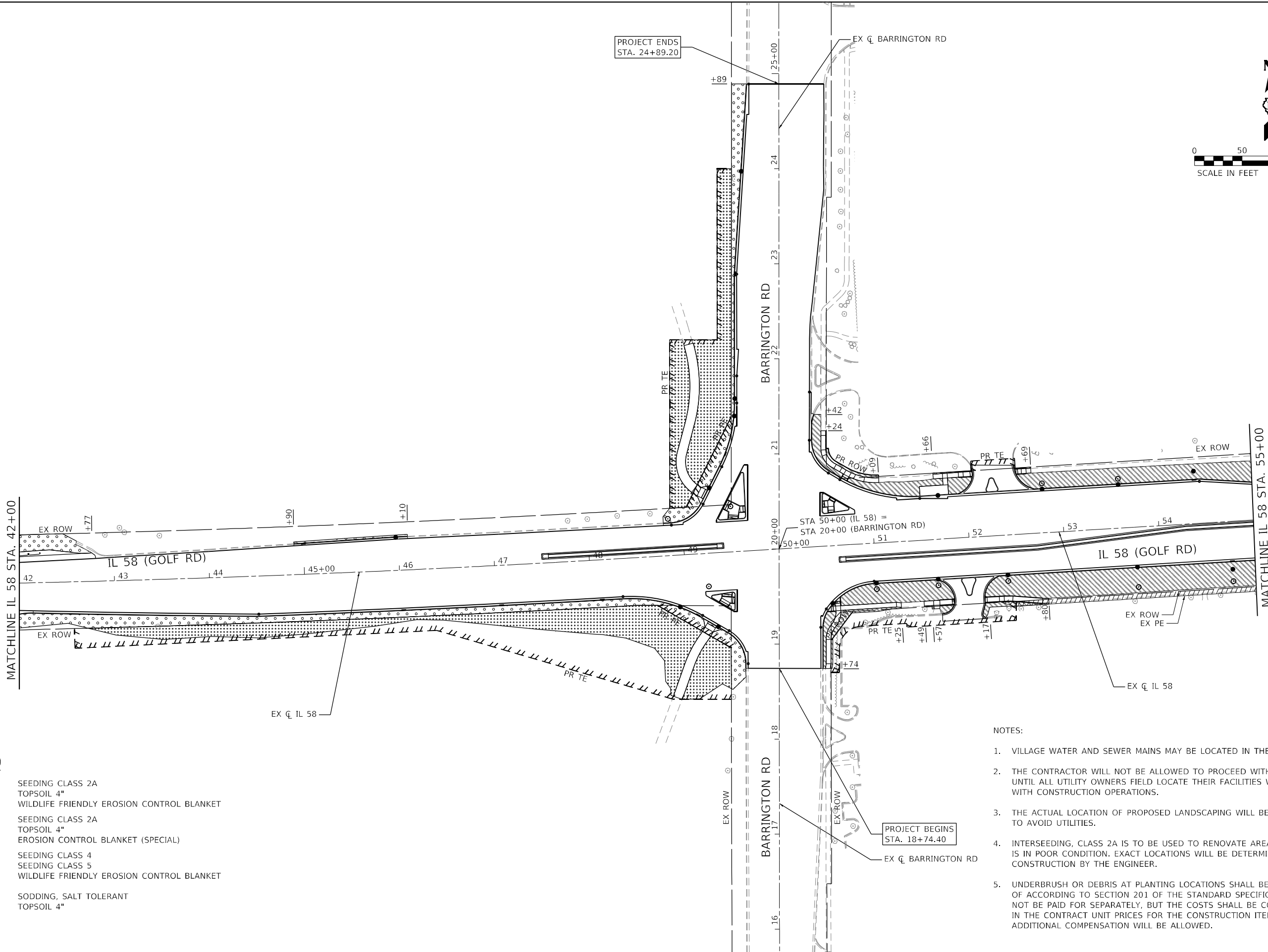
306

202

CONTRACT NO. 62N97

ILLINOIS

FED. AID PROJECT



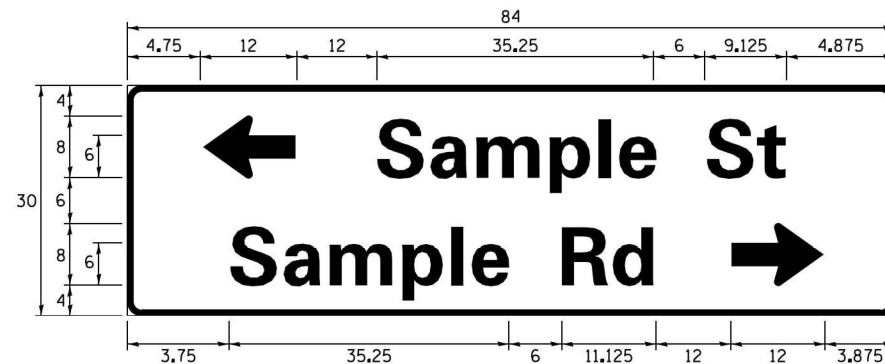
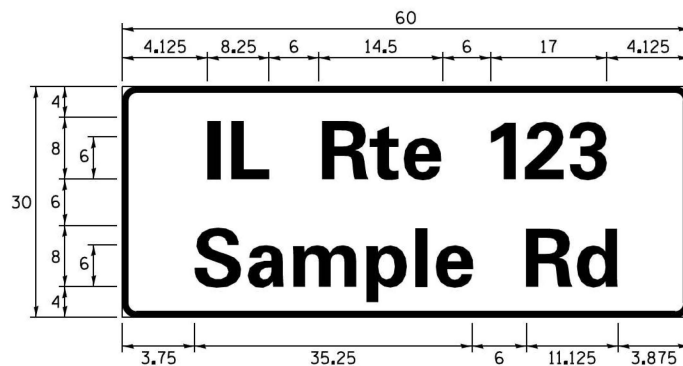
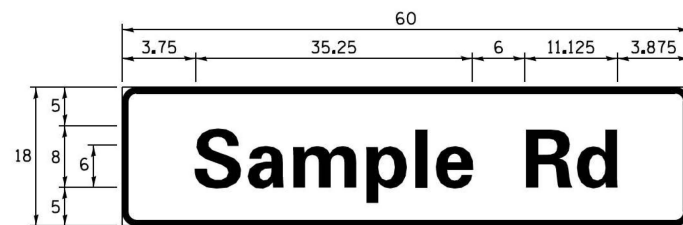
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**SIGN PANEL – TYPE 1 OR TYPE 2**



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

## COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH ( INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15. 000	18. 250
BOULEVARD	Blvd	17. 125	20. 000
CIRCLE	Cir	11. 125	13. 000
COURT	Ct	8. 250	9. 625
DRIVE	Dr	8. 625	10. 125
HIGHWAY	Hwy	18. 375	22. 000
ILLINOIS	IL	7. 000	8. 250
LANE	Ln	9. 125	10. 750
PARKWAY	Pkwy	23. 375	27. 375
PLACE	Pl	7. 125	7. 750
ROAD	Rd	9. 625	11. 125
ROUTE	Rte	12. 625	14. 500
STREET	St	8. 000	9. 125
TERRACE	Ter	12. 625	14. 625
TRAIL	Tr	7. 750	9. 125
UNITED STATES	US	10. 375	12. 250

## GENERAL NOTES

1. WHERE MOST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MOST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNIFICANT ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

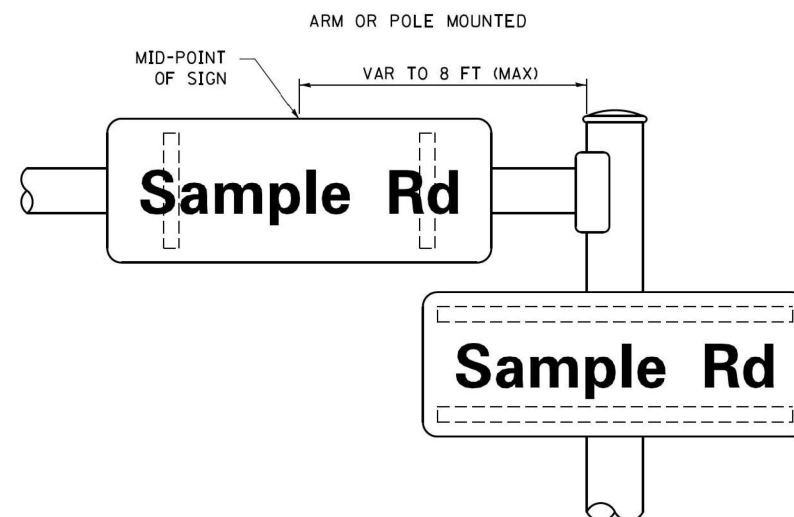
- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA

PARTS LISTING:

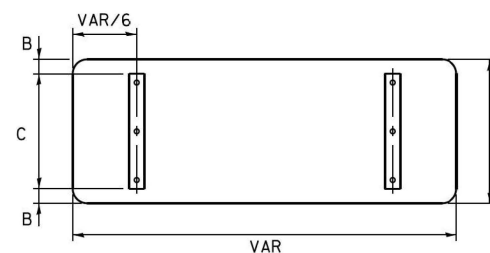
SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3
	SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL)
	CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

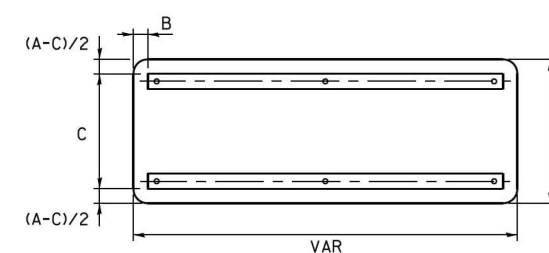
## MOUNTING LOCATION



## SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

## STANDARD ALPHABETS SPACING CHART

( 8'' ) UPPER CASE AND ( 6'' ) LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING ( INCH)	WIDTH ( INCH)	RIGHT SPACING ( INCH)	CHARACTER	LEFT SPACING ( INCH)	WIDTH ( INCH)	RIGHT SPACING ( INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 01

FILE NAME =	USER NAME = drvakosgn	DESIGNED - LP/IP	REVISED - LP 07/01/2015	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS</div>					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBID\INTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRAWN\CADDData\CAD Sheets\ts02.dgn		DRAWN	REVISED -							559	2021-060-SW-TS&N	COOK	306	204
Default	PLOT SCALE = 50.0000' / in.	CHECKED - IP	REVISED -		<div>TS-02 CONTRACT NO. 62N97</div>					<div>ILLINOIS FED. AID PROJECT</div>				
	PLOT DATE = 7/31/2015	DATE - 10/01/2014	REVISED -											
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.					

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

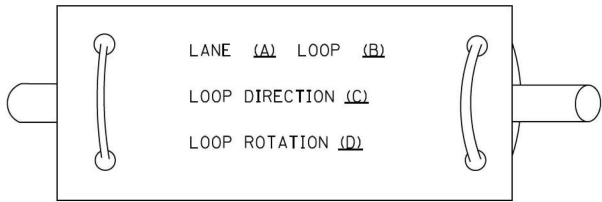
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

FILE NAME = ts05.dgn  Default	USER NAME = lrysa	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - IP	REVISED -		SCALE: NONE	SHEET 1	OF 7	SHEETS	STA.	TO STA.	559	2021-060-SW-TS&N	COOK	306	205
	PLOT SCALE = 50,0000 ' / in.	CHECKED - LP	REVISED -												
	PLOT DATE = 9/29/2016	DATE - 9/29/2016	REVISED -									TS-05			
ILLINOIS FED. AID PROJECT															

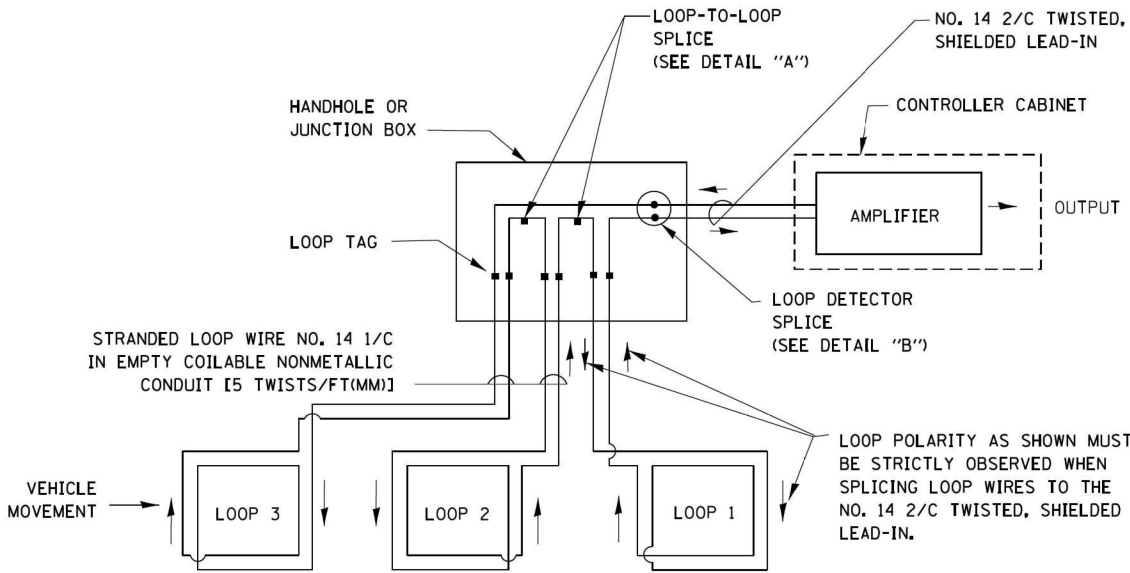
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

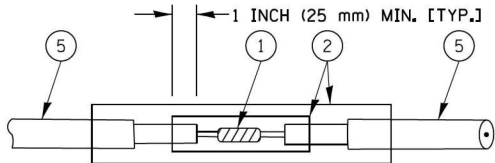


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

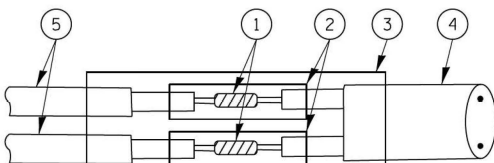


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

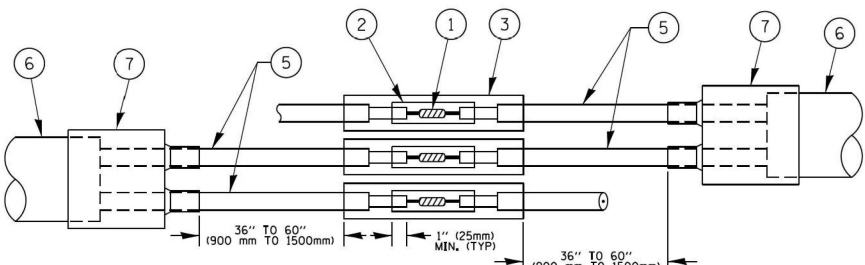


DETAIL "A"  
LOOP-TO-LOOP SPLICE

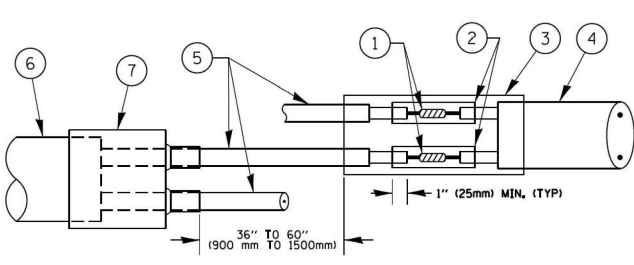


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

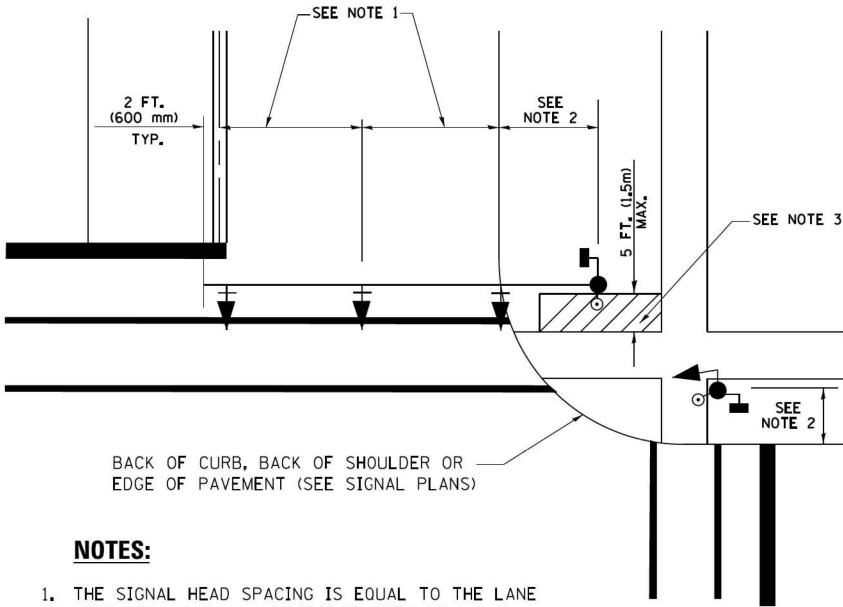
LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

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FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

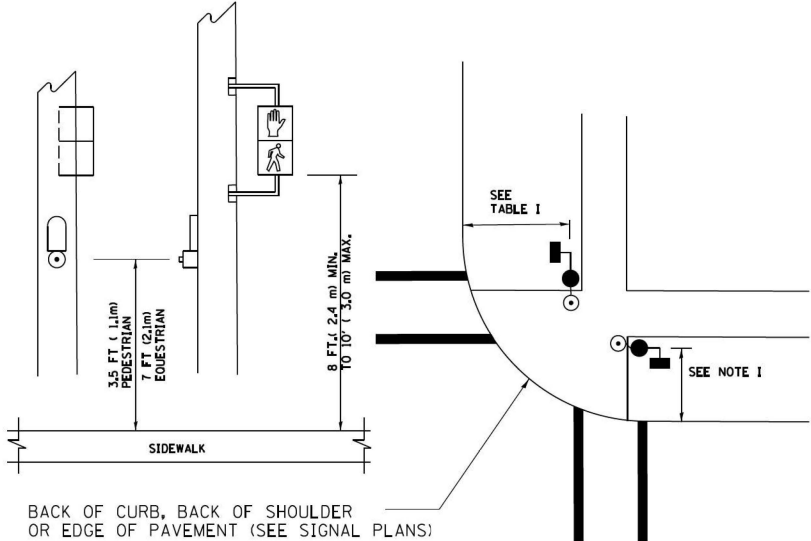
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

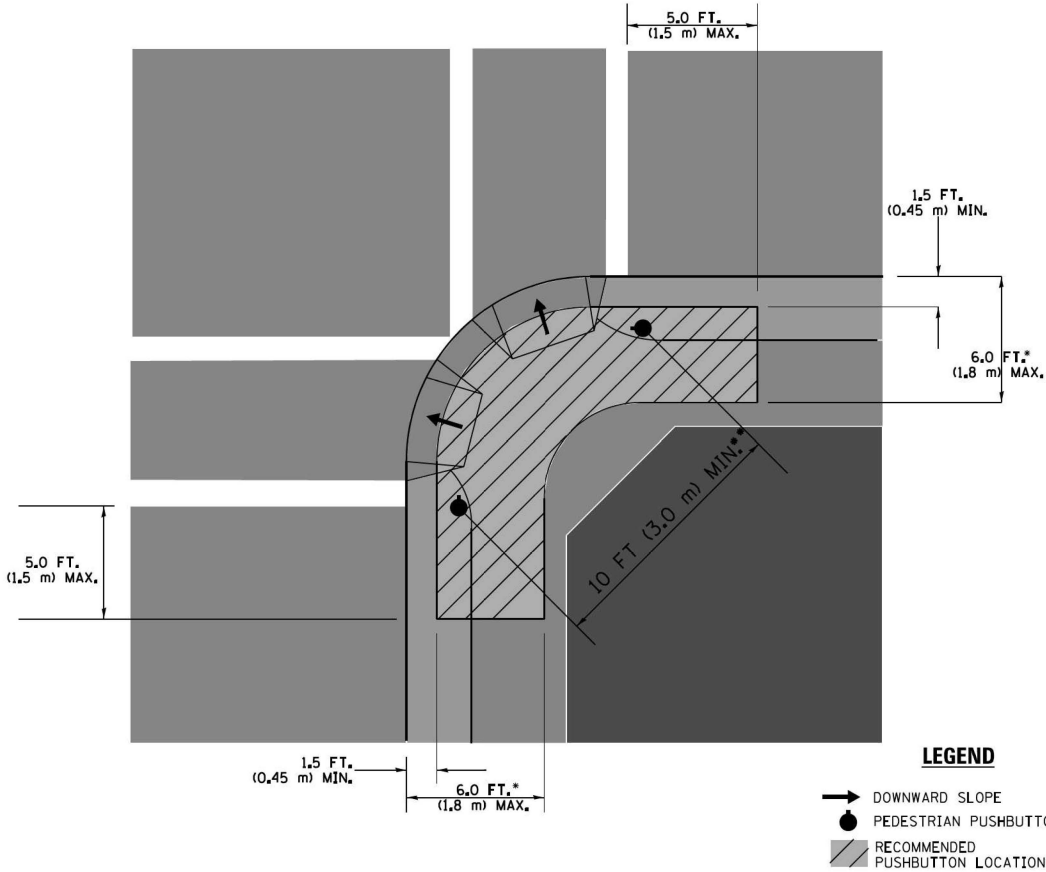
PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

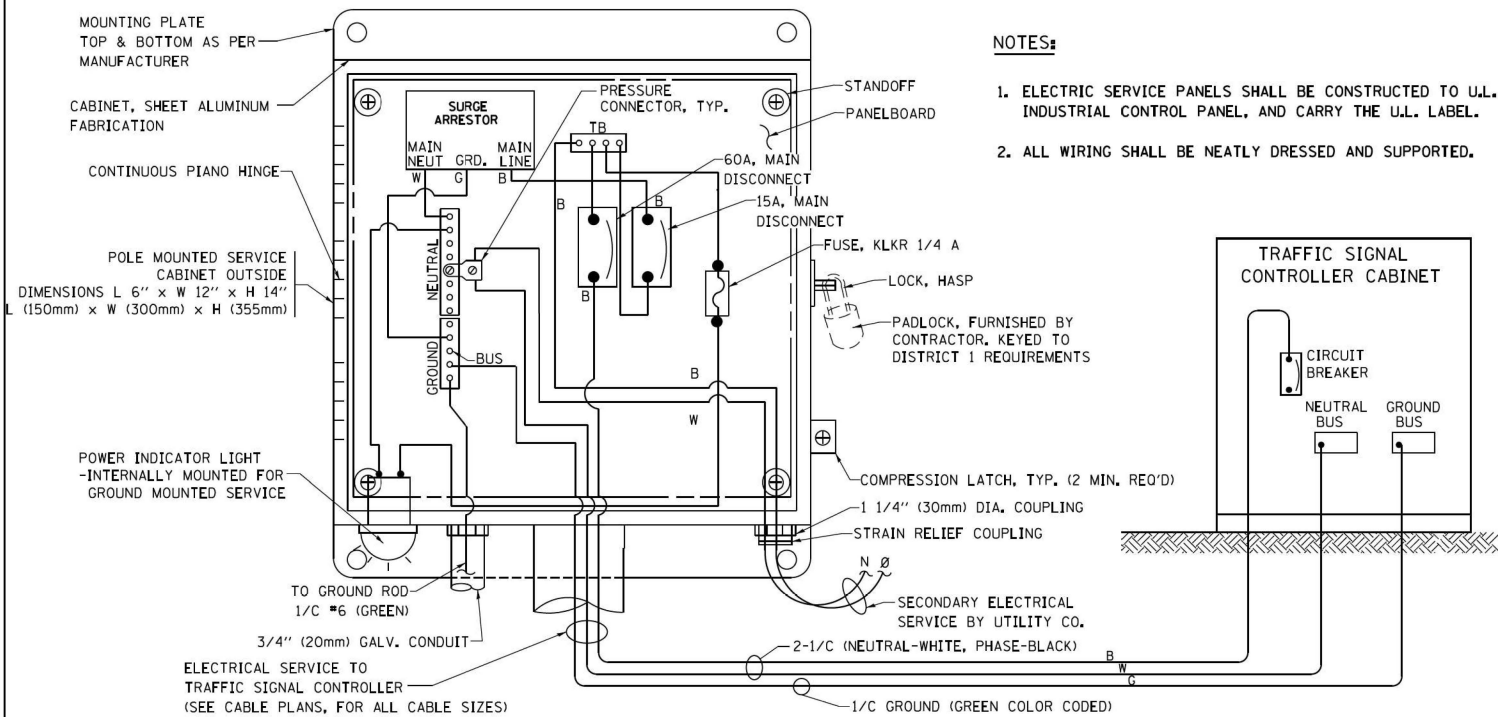
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

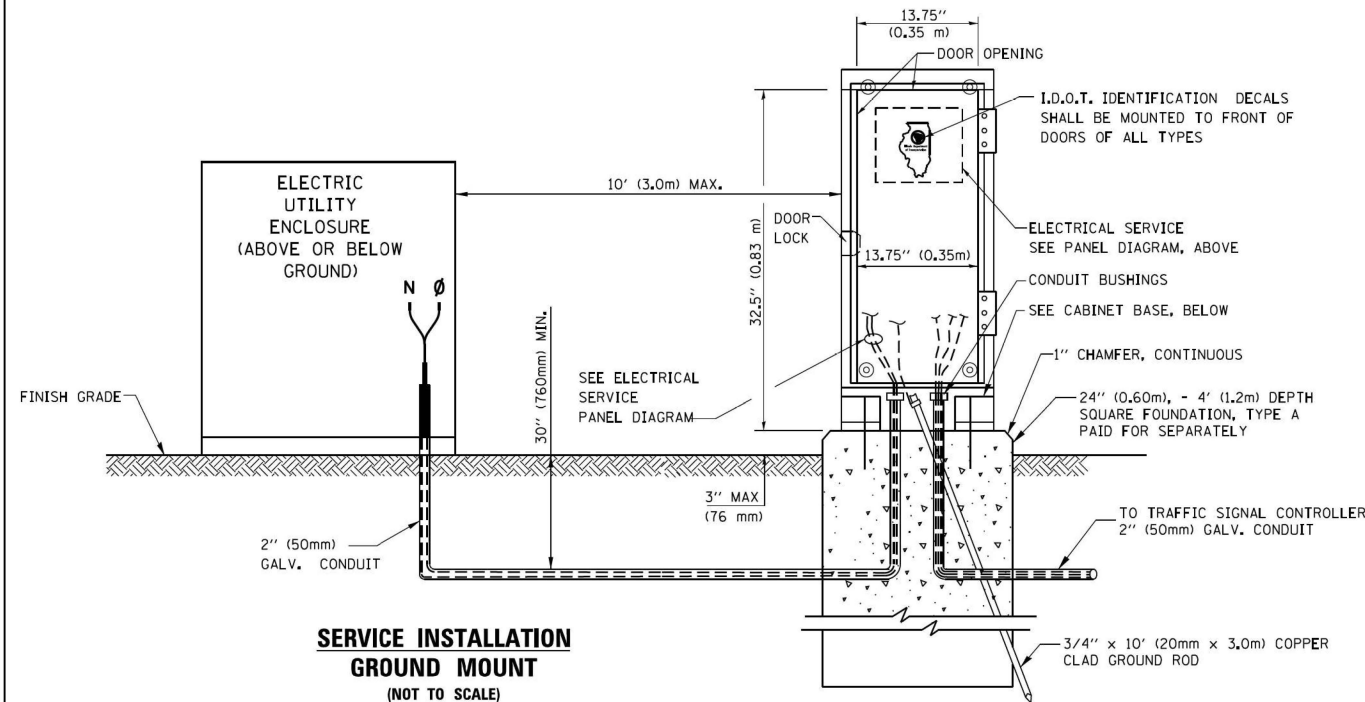
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

FILE NAME = ca\pw\work\p\sidot\Footemj\dd0108315\ts05.dgn	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BCK	REVISED -					559	2021-060-SW-TS&N	COOK	306	207
		PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD					TS-05		CONTRACT NO. 62N97		
		PLOT DATE = 1/13/2014	DATE - 10-28-09		SCALE: NONE	SHEET NO. 3	OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT		



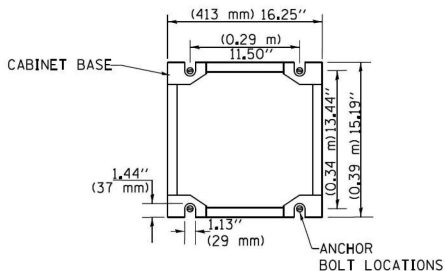


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
(NOT TO SCALE)



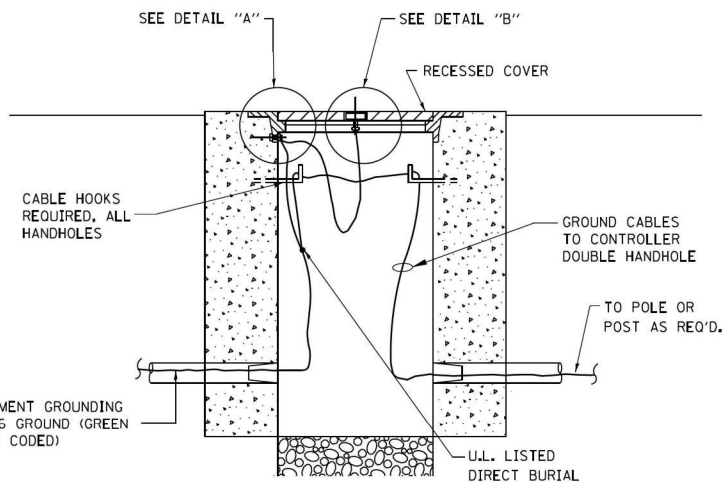
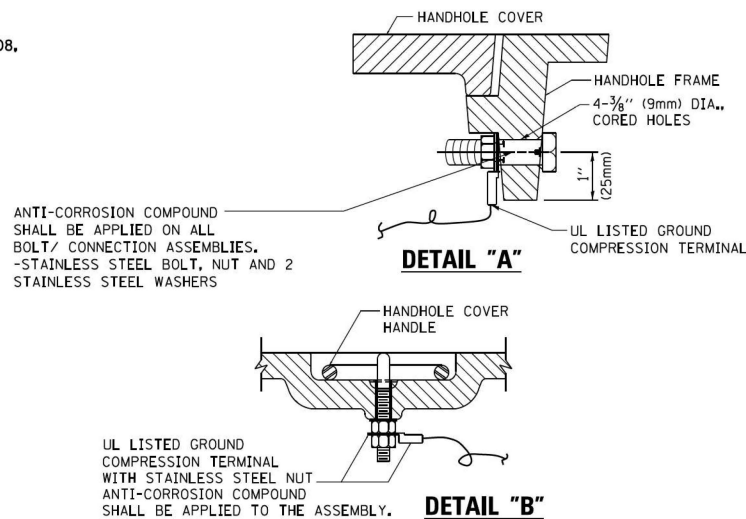
**SERVICE INSTALLATION**  
**GROUND MOUNT**  
(NOT TO SCALE)

**CABINET - BASE BOLT PATTERN**  
(NOT TO SCALE)

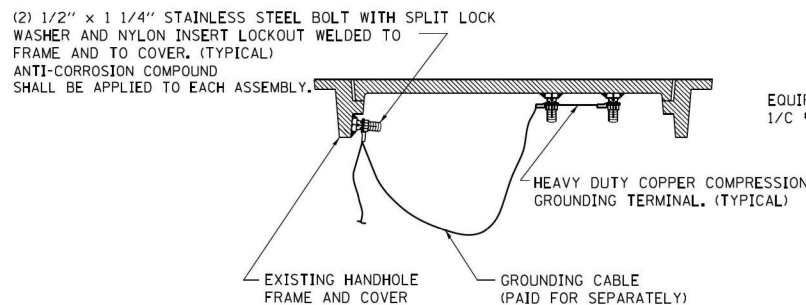


**NOTES:**

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



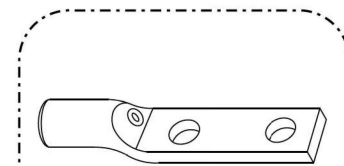
**HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
(NOT TO SCALE)



**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
(NOT TO SCALE)

**NOTES:**  
**GROUNDING SYSTEM**

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4\"/>
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



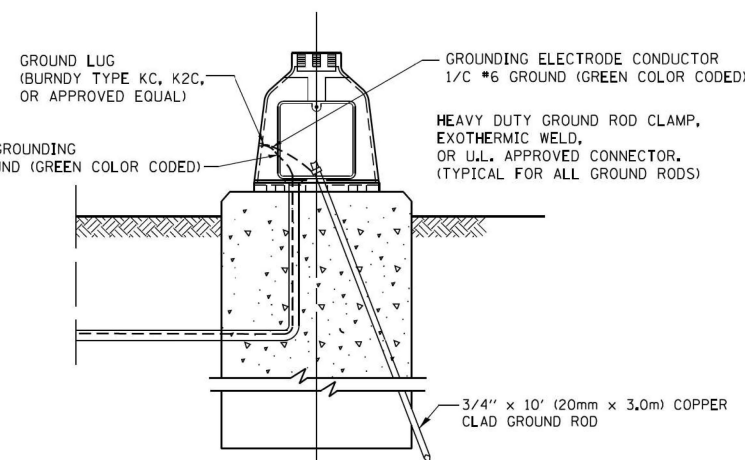
HEAVY-DUTY COMPRESSION TERMINAL  
(BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4\"/>

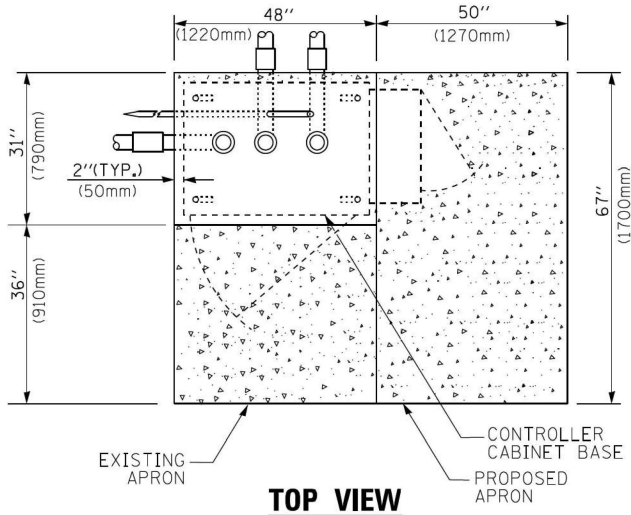
**NOTES:**

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

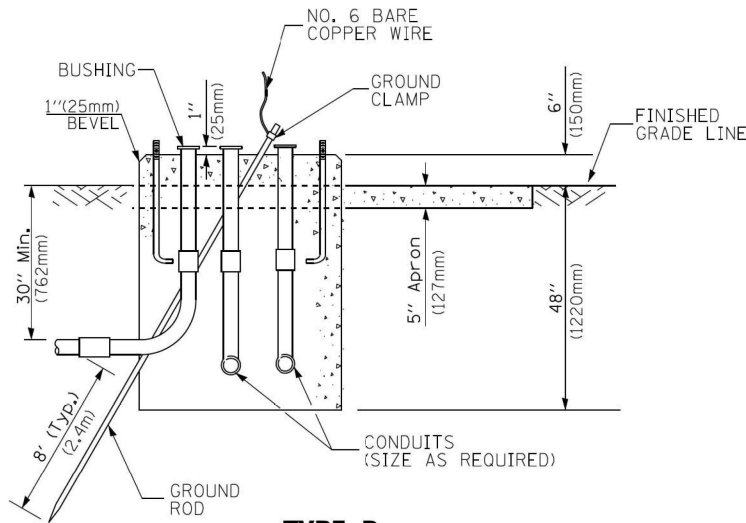


**MAST ARM POLE / POST-GROUNDING DETAIL**  
(NOT TO SCALE)

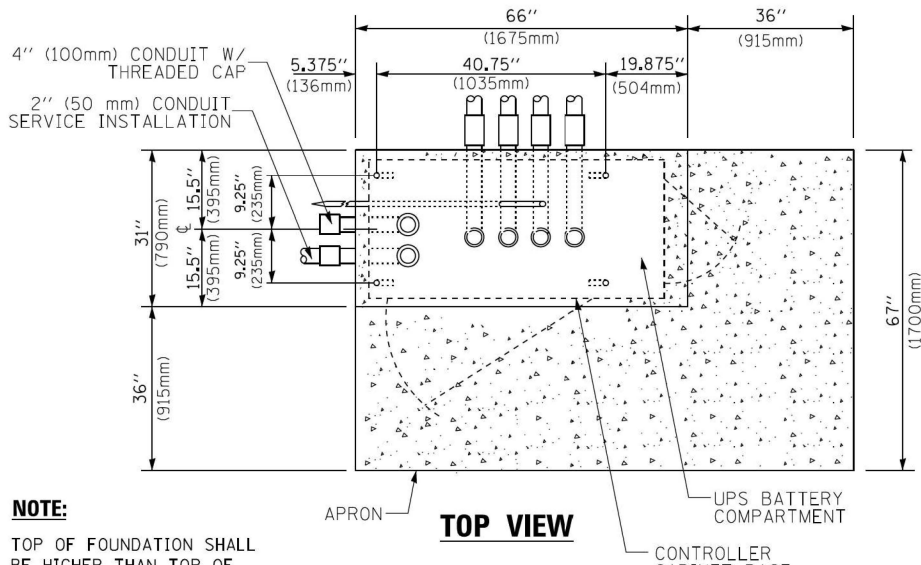
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1					ILLINOIS		FED. AID PROJECT	
	SCALE: NONE		SHEET NO. 4 OF 7 SHEETS		STA.		TO STA.						



TOP VIEW



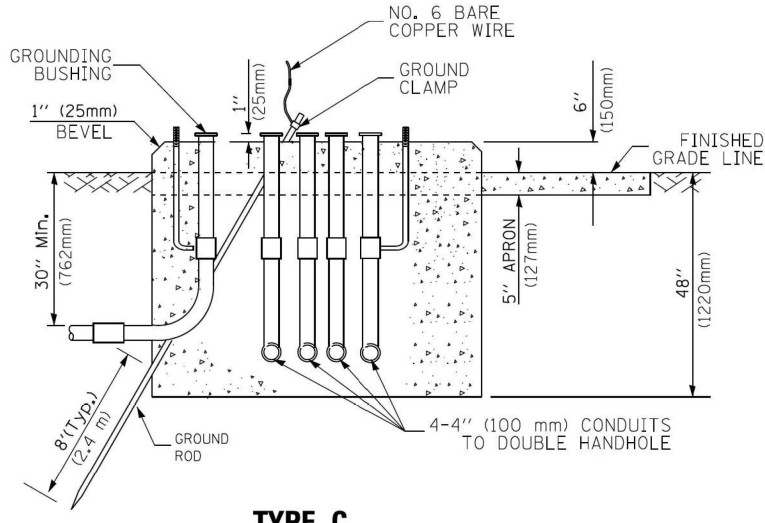
TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET



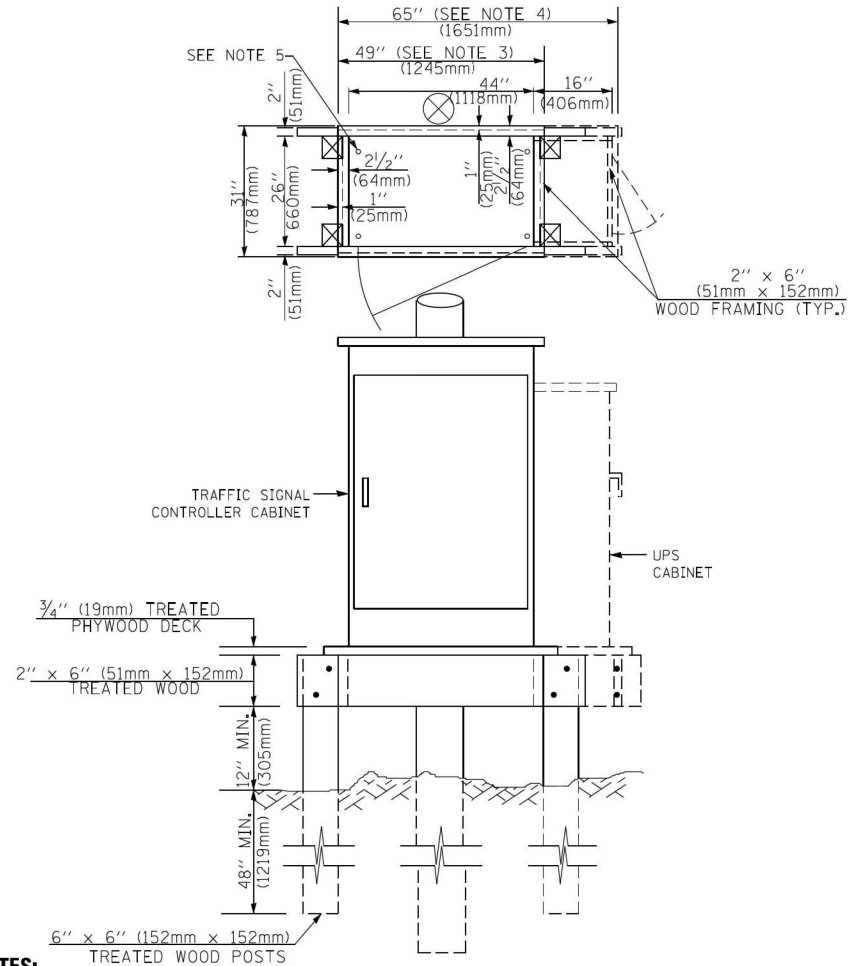
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL  
BE HIGHER THAN TOP OF  
DOUBLE HANDHOLE



TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE ( MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

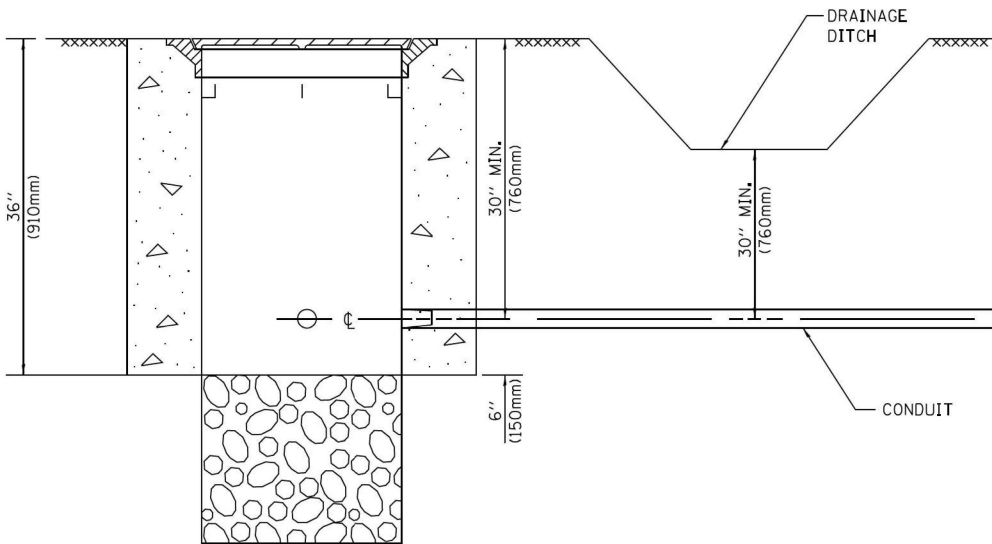
MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

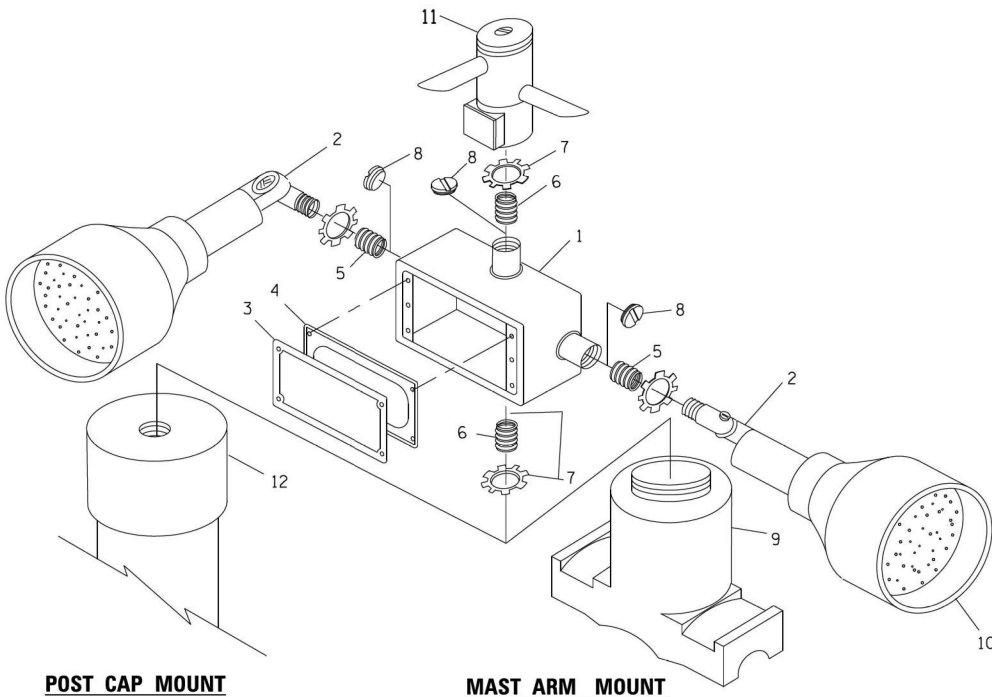
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ca\pw\work\p\wdot\Footemj\00108315\ts05.dgn		DRAWN - BCK	REVISED -		STANDARD TRAFFIC SIGNAL DESIGN DETAILS		559	2021-060-SW-TS&N	COOK	306	209
		CHECKED - DAD	REVISED -				TS-05		CONTRACT NO. 62N97		
		DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



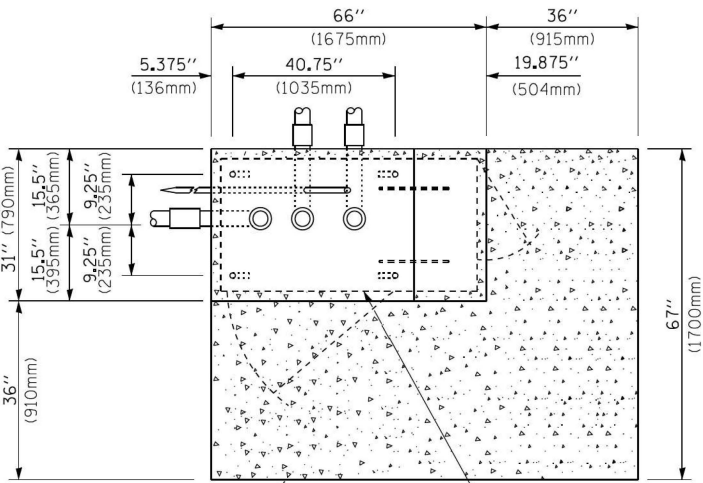
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

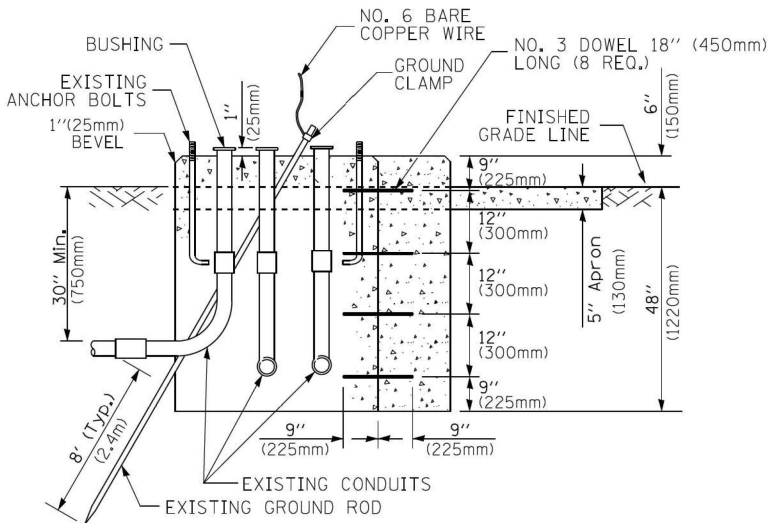
HANDHOLE WITH MINIMUM CONDUIT DEPTH  
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW  
(NOT TO SCALE)

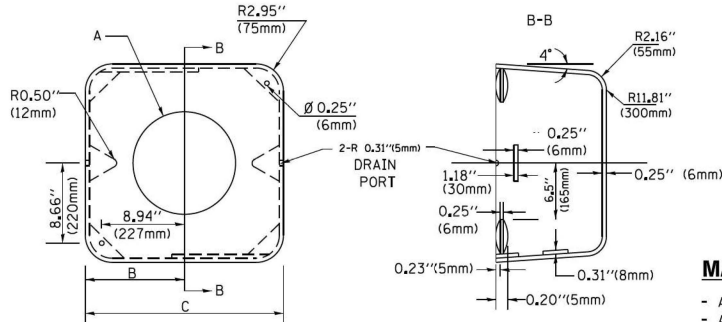


MODIFY EXISTING TYPE "D" FOUNDATION  
TO TYPE "C" FOUNDATION  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

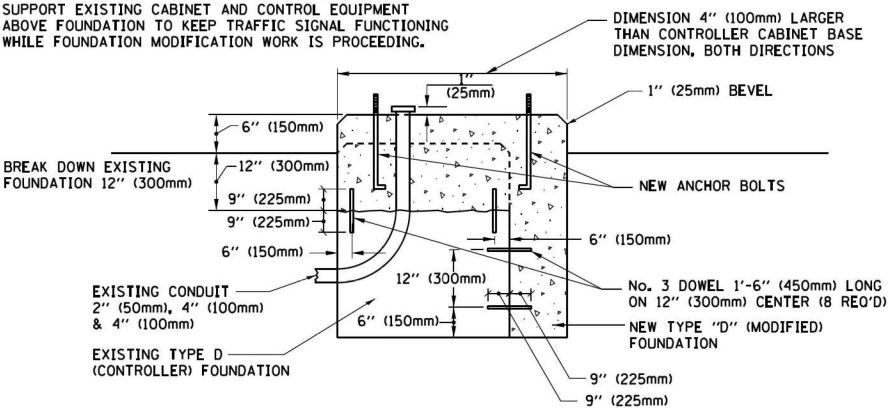
SHROUD

NOTES:

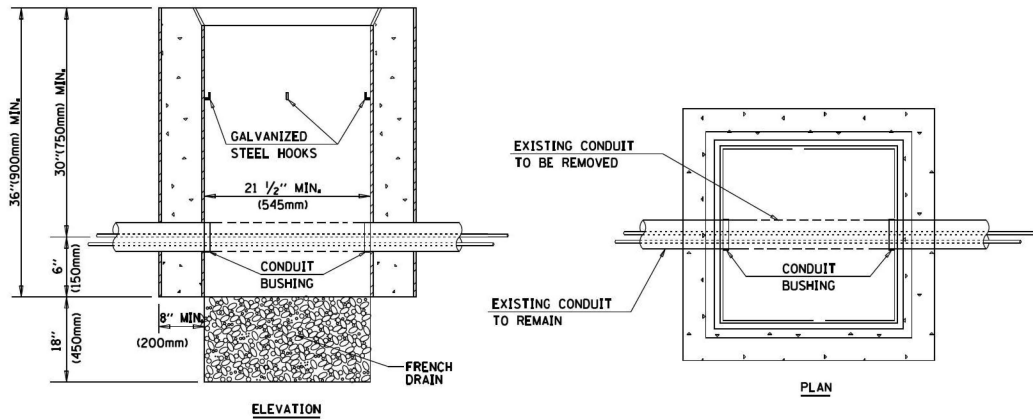
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca\pw\work\p\dot\footemj\ad108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE

SHEET NO. 6 OF 7 SHEETS

STA.

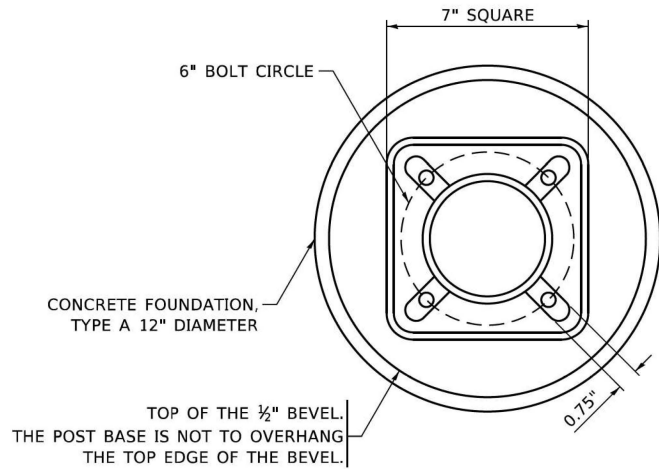
TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	210
TS-05		CONTRACT NO. 62N97		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



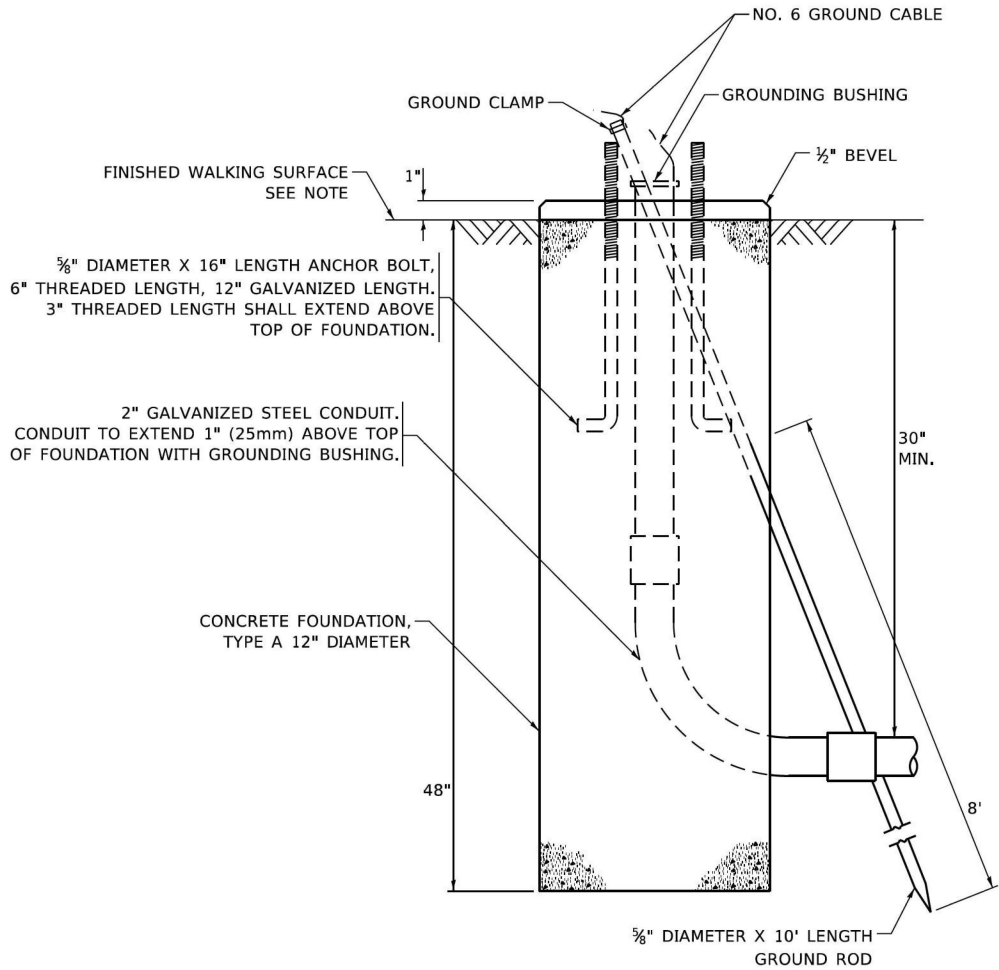
TS SHT NO. 08

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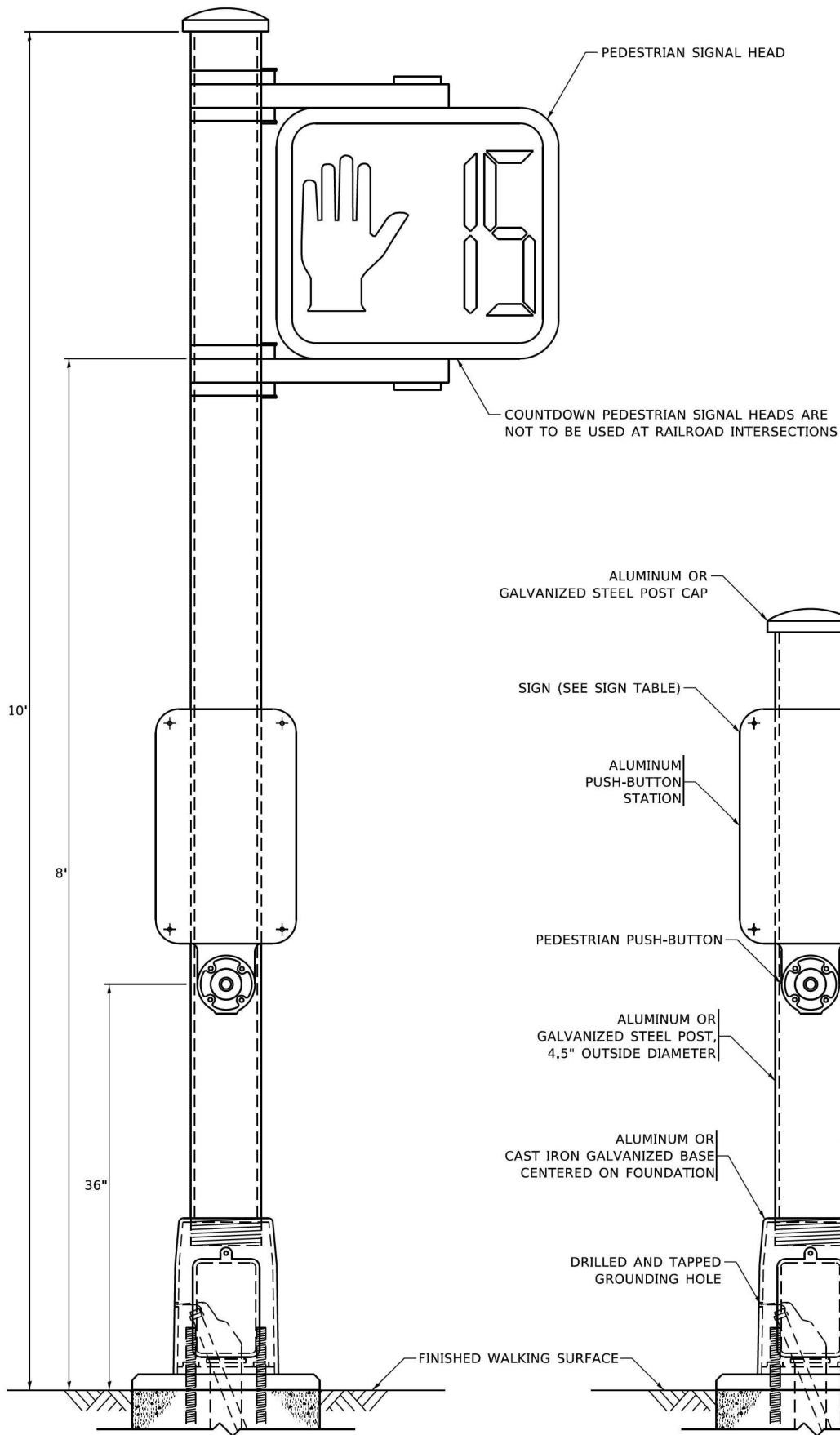


BOLT PATTERN

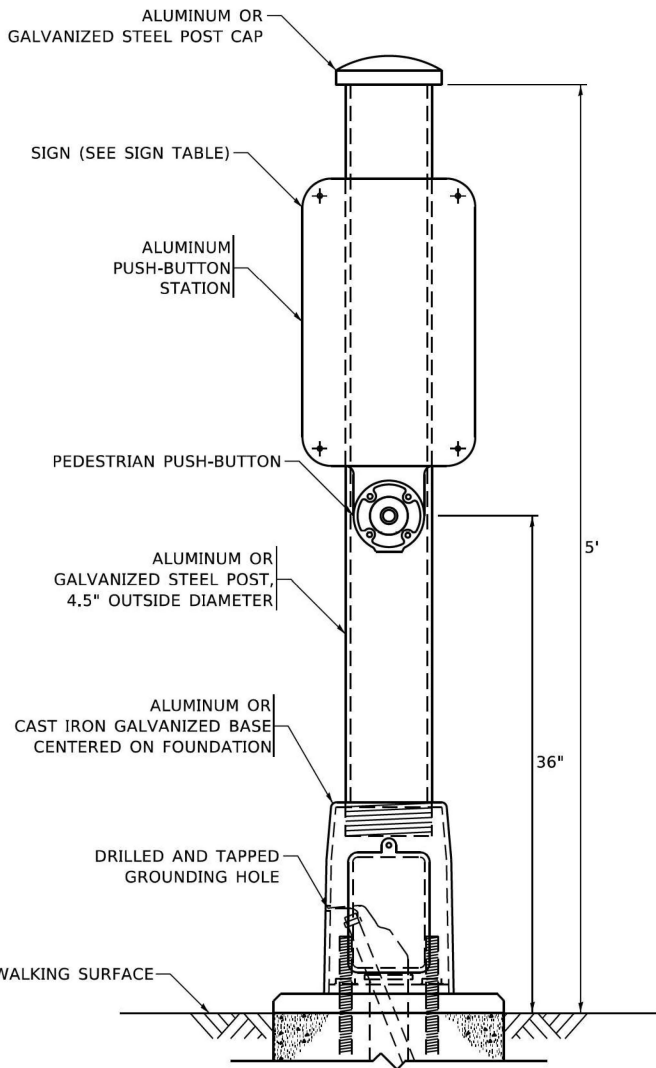
NOTE:  
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



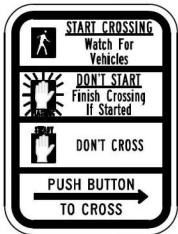
CONCRETE FOUNDATION,  
TYPE A 12-INCH DIAMETER



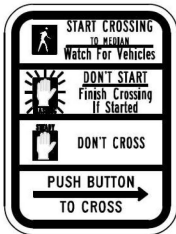
PEDESTRIAN SIGNAL POST, 10 FT.



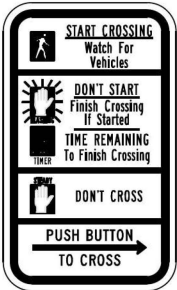
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:  
1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.  
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.  
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	211
TS-05		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

FILE NAME: N:\2019\3 CH118\03-5500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CAD\62N97 Sheet IL 58 at Barrington Temporary Plan.dgn

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CABINET
- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 2 EACH 3-SECTION SIGNAL HEAD
- 14 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH MAST ARM STREET NAME SIGN

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND INSTALLED IN THE TEMPORARY CABINET AND WOOD POST. THESE ITEMS WILL ALSO BE REMOVED FROM THE TEMPORARY CABINET AND INSTALLED IN THE PERMANENT CABINET AND MAST ARM. THIS WORK SHALL BE PAID FOR UNDER RELOCATE EXISTING TRAFFIC SIGNALS EQUIPMENT PAY ITEM.

- 1 EACH PTZ CAMERA
- 1 EACH LAYER III SWITCH
- 1 EACH FIBER OPTIC INTERCONNECT CENTER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

VILLAGE OF HOFFMAN ESTATES  
1900 HASSELL RD  
HOFFMAN ESTATES, IL 60169  
847-252-5800

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO IDOT.

- 1 EACH CONTROLLER

PROP TEMPORARY  
INTERCONNECT TO ST  
ALEXIOUS MEDICAL CENTER

WOOD POLE  
APPROX. STA. 49+08.63, 54.3' LT

WOOD POLE  
APPROX. STA. 49+35.62, 91.8' RT

PROP TEMPORARY  
INTERCONNECT TO  
BODE RD

MATCHLINE STA. 21+50

MATCHLINE STA. 18+00

PRESTAGE

BARRINGTON RD

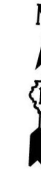
BARRINGTON RD

WOOD POLE  
APPROX. STA. 50+78.09, 78.2' LT

PROP TEMPORARY  
INTERCONNECT TO  
HOFFMAN VILLAGE  
SHOPPING CENTER

WOOD POLE  
APPROX. STA. 50+66.24, 70.4' RT

MATCHLINE STA. 52+50



Sam  
Schwartz  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY PRESTAGE TRAFFIC SIGNAL INSTALLATION AND REMOVE  
EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)  
IL RTE 58 (GOLF RD) AT BARRINGTON ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	212
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

TS 2725  
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: N:\2019\3 CH\118-03-5500 DOT PTB 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CAD\62N97 Sheet IL 58 at Barrington Temporary Plan.dgn

Sam  
Schwartz

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PLOT SCALE = 40,0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

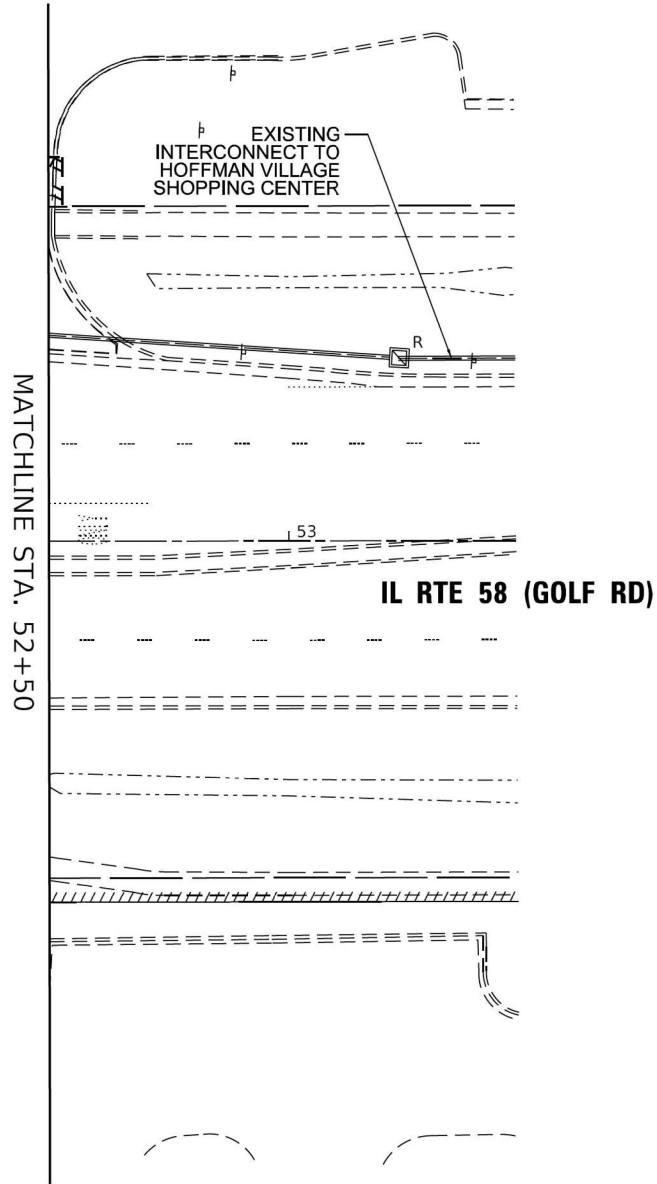
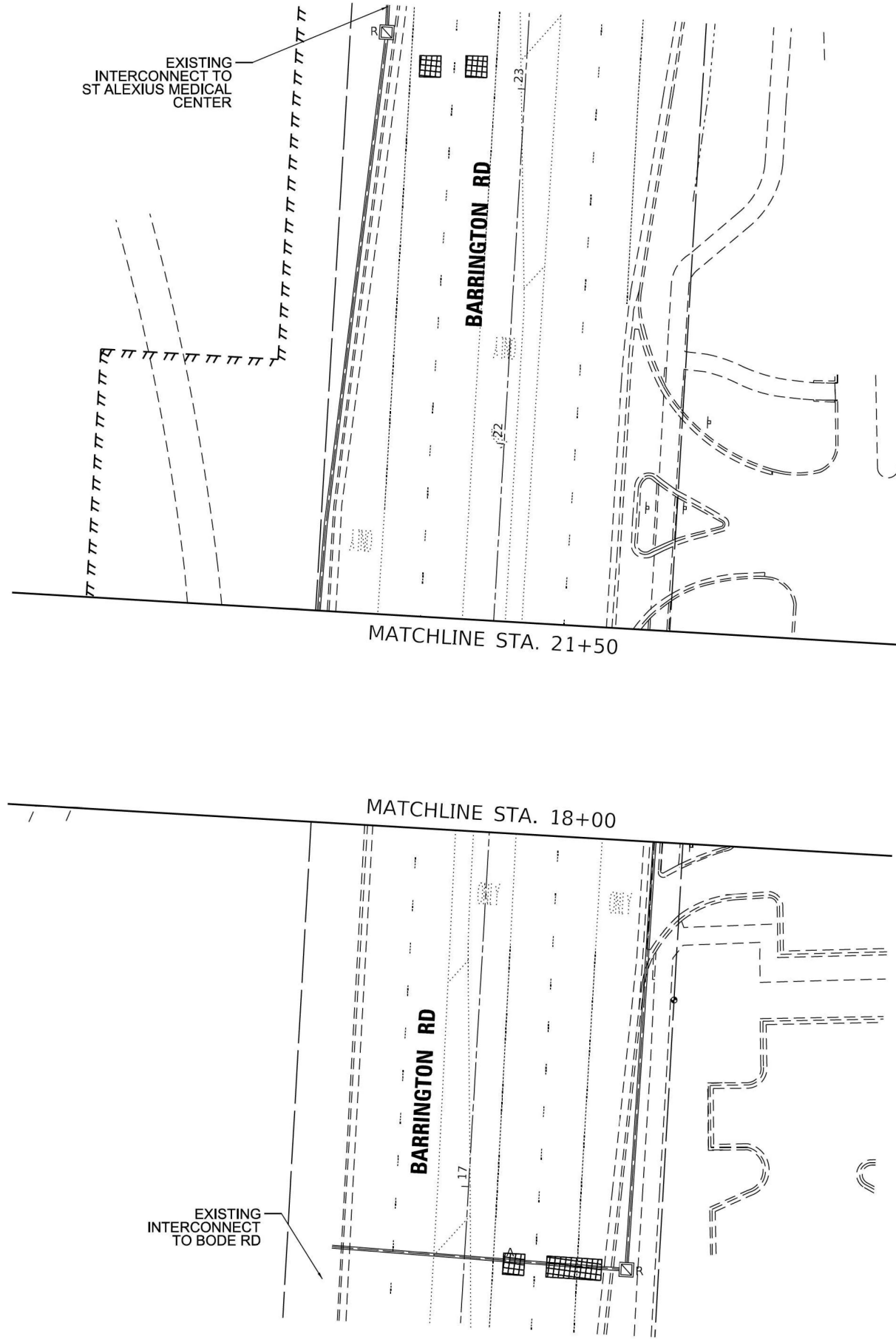
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE  
EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)  
IL RTE 58 (GOLF RD) AT BARRINGTON ROAD

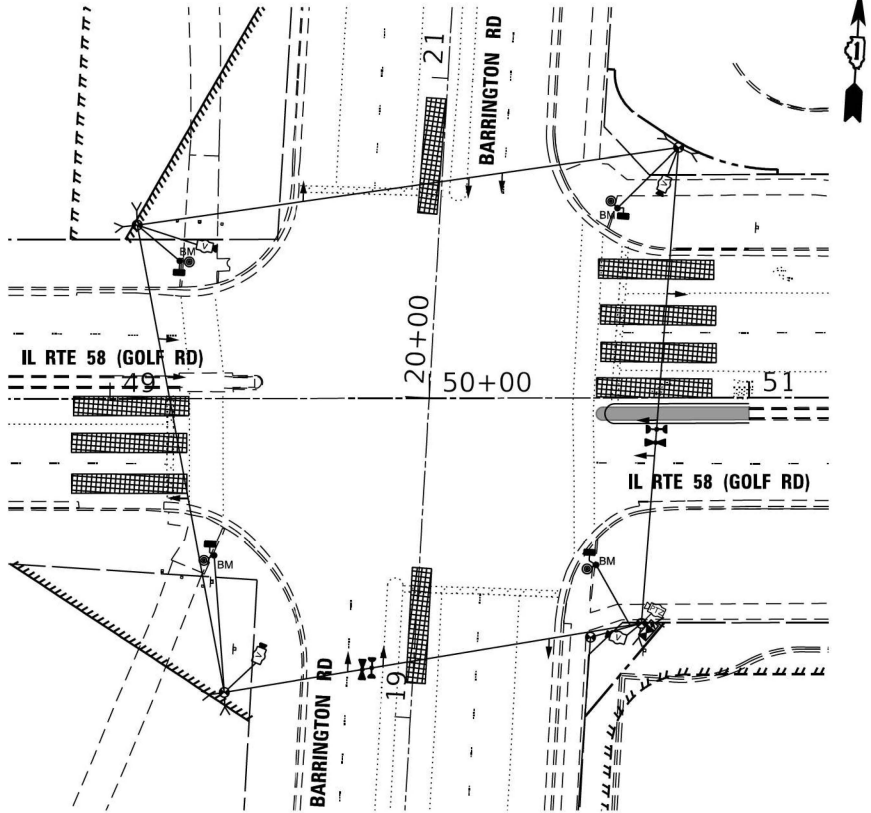
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	213
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

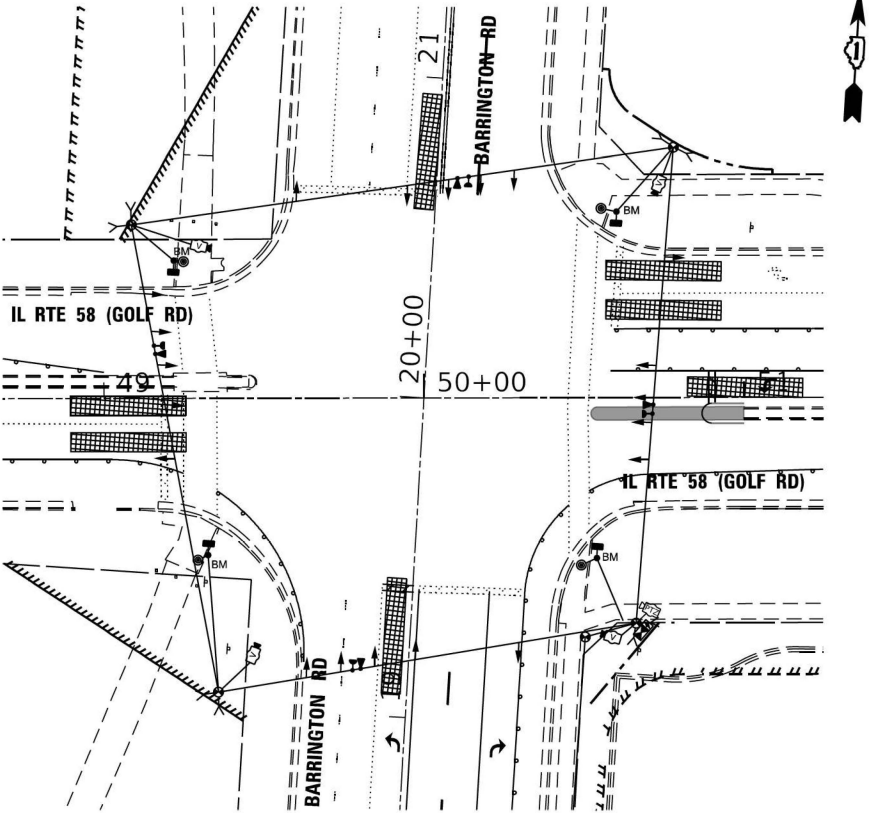
TS 2725  
IDOT CENTRACS  
FORMER ECON 150



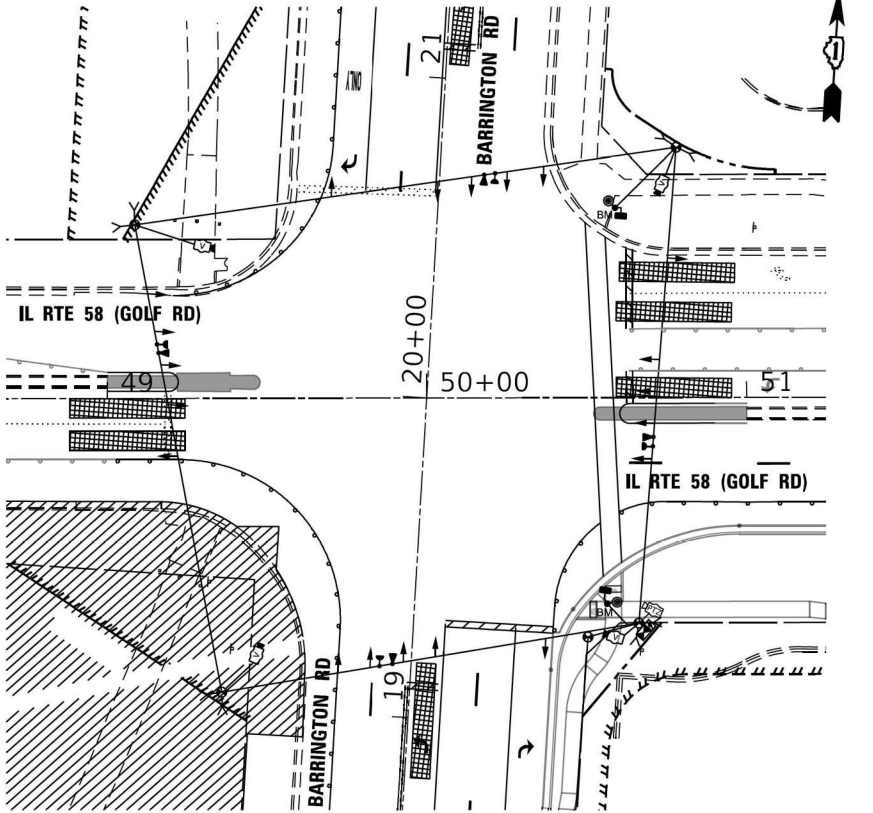
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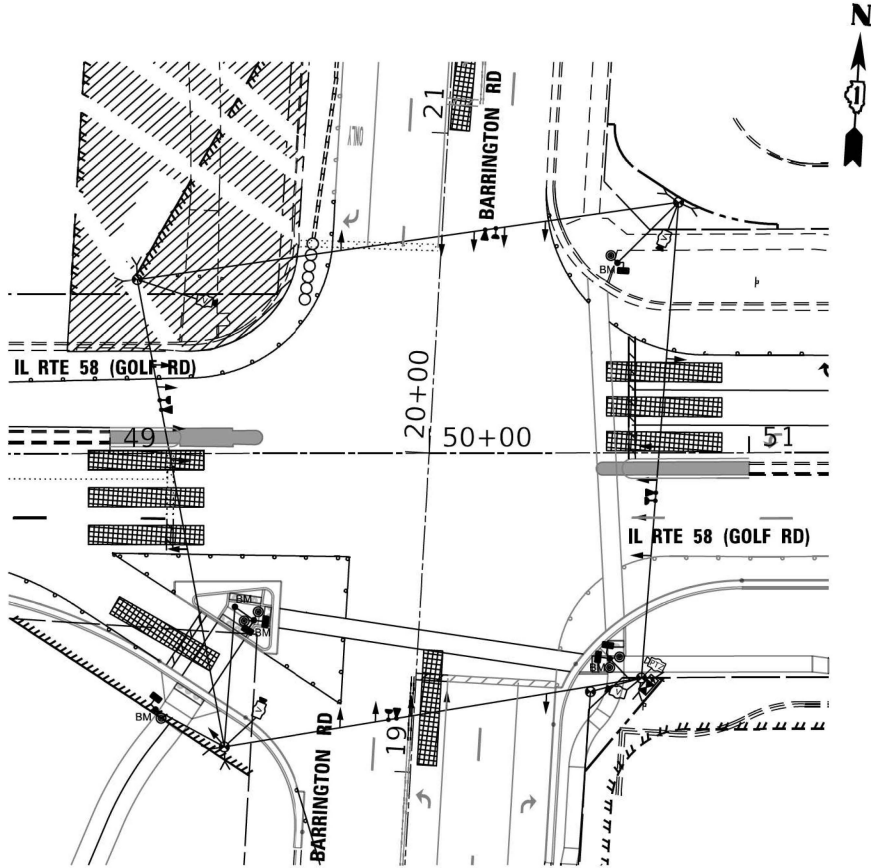
STAGE 1



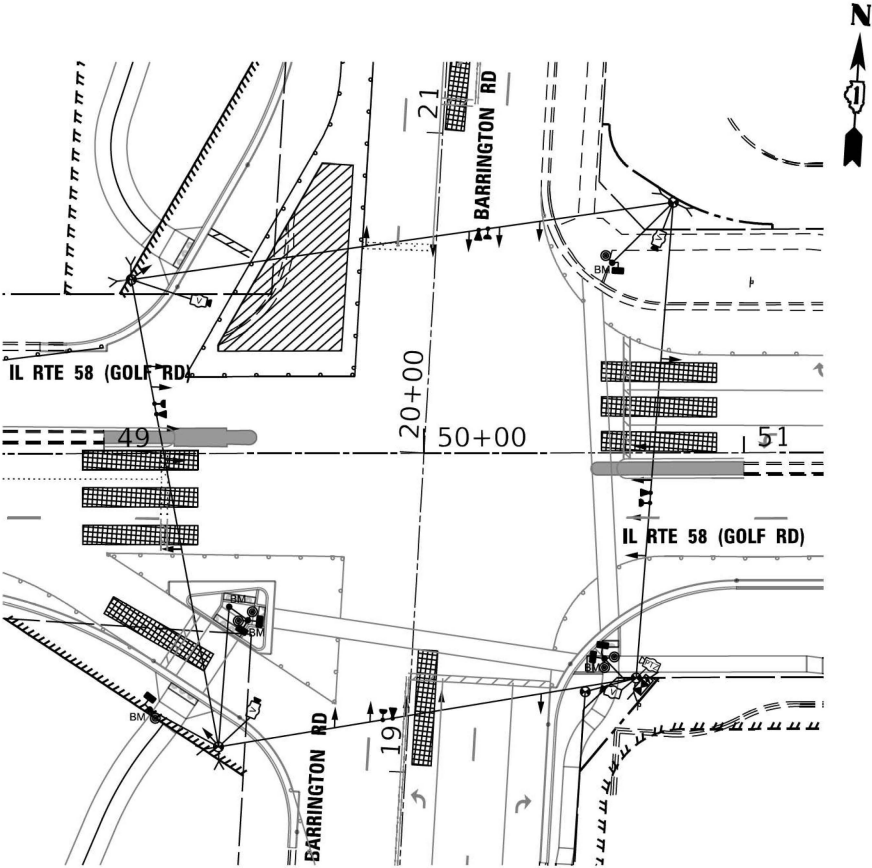
STAGE 2A



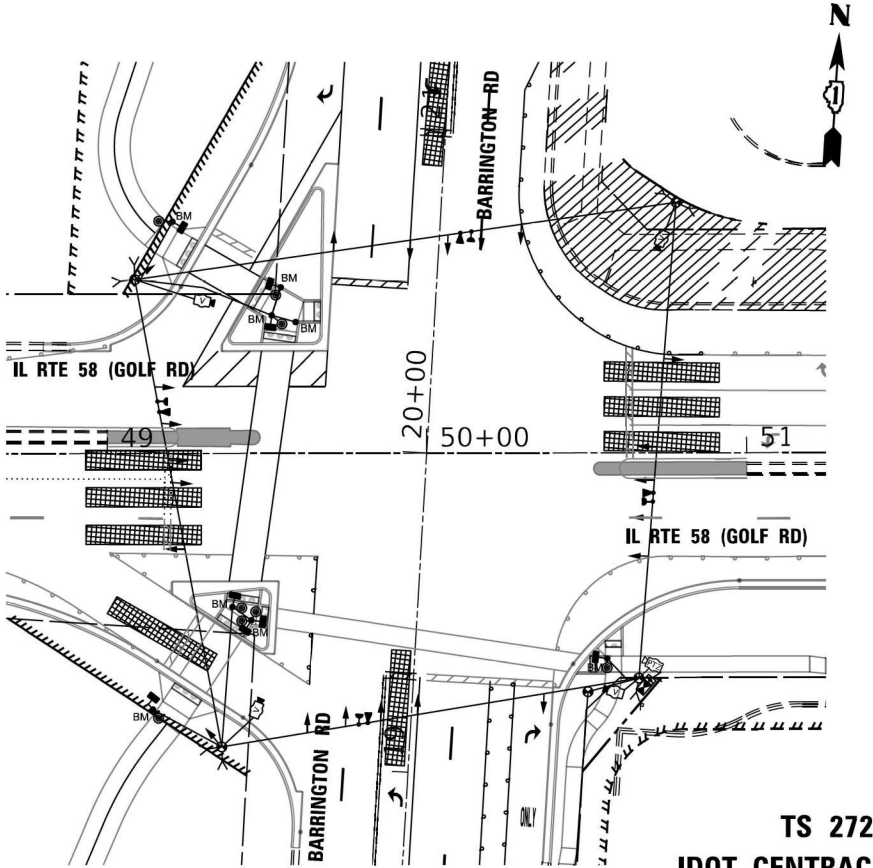
STAGE 2B



STAGE 3A-1



STAGE 3A-2



STAGE 3B-1

TS 2725  
IDOT CENTRACS  
FORMER ECON 150

**Sam Schwartz**

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USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 60,0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 5/3/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

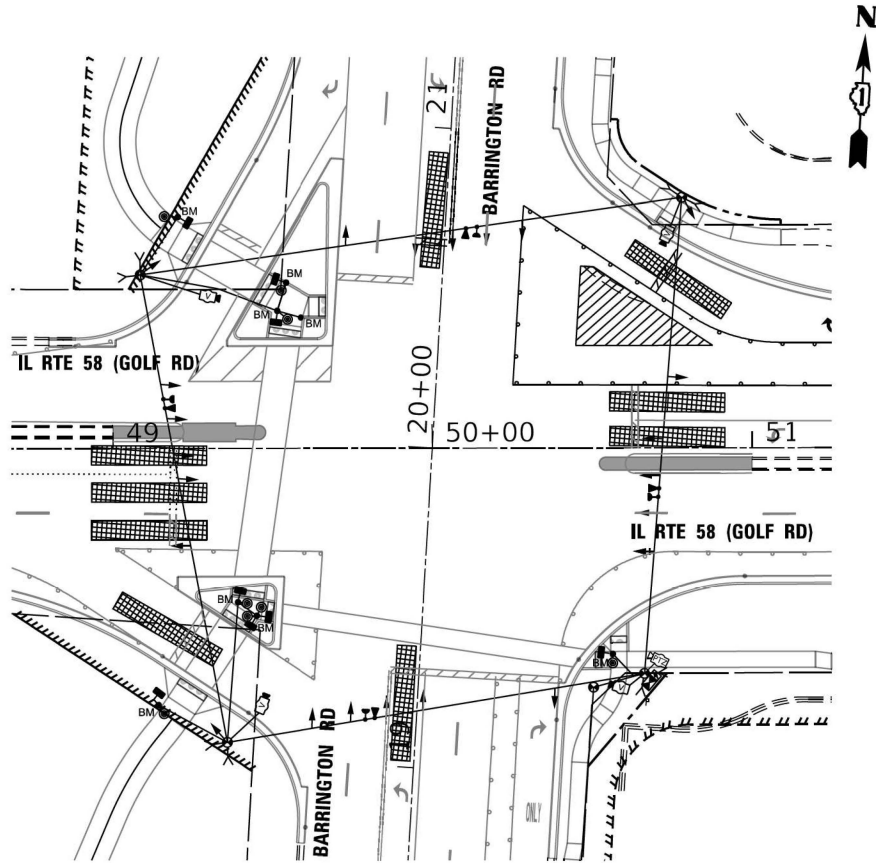
TEMPORARY TRAFFIC SIGNAL INSTALLATION  
STAGE CONSTRUCTION PLAN  
IL RTE 58 (GOLF RD) AT BARRINGTON ROAD

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

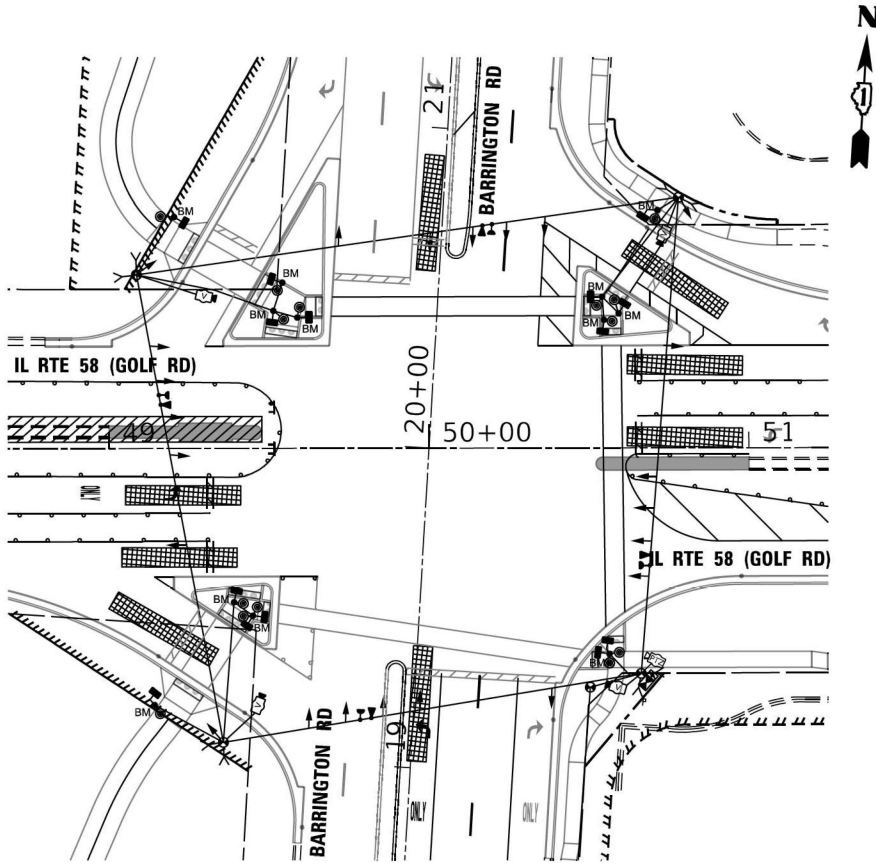
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	214
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



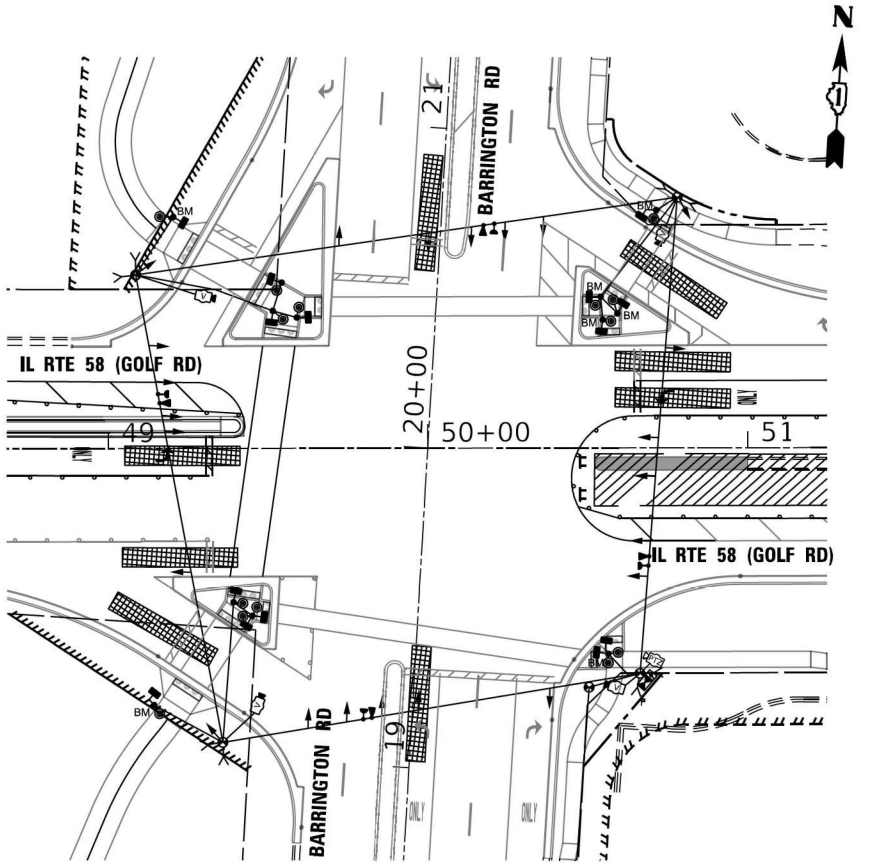
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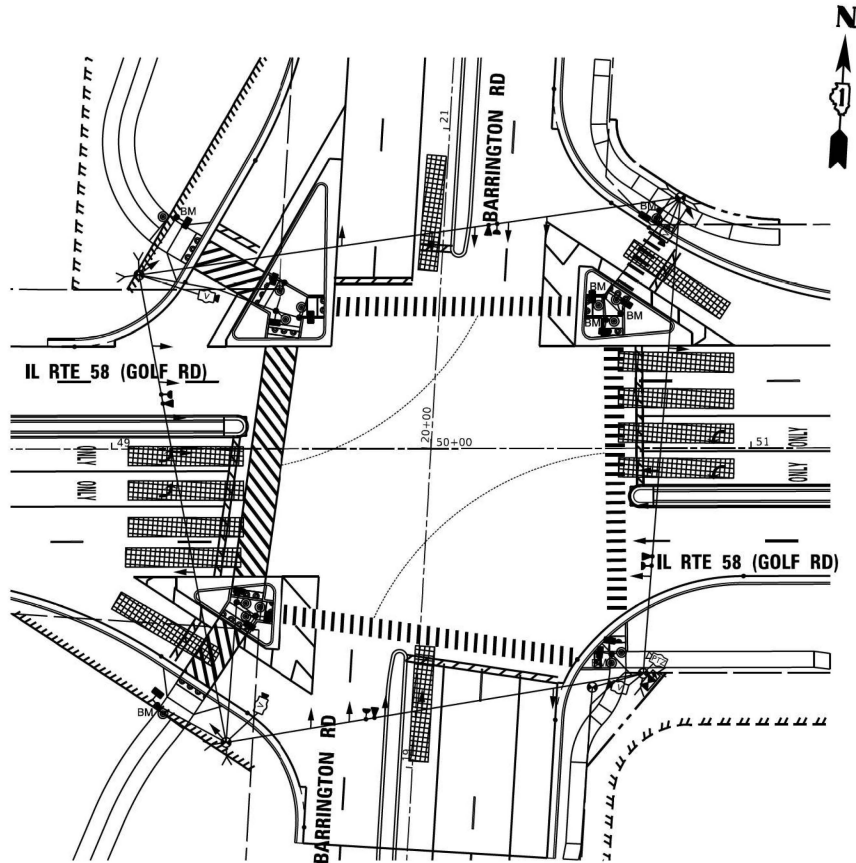
STAGE 3B-2



STAGE 4A



STAGE 4B



POST STAGE

**Sam Schwartz**  
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PLOT SCALE = 60,0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 5/3/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION  
STAGE CONSTRUCTION PLAN  
IL RTE 58 (GOLF RD) AT BARRINGTON ROAD

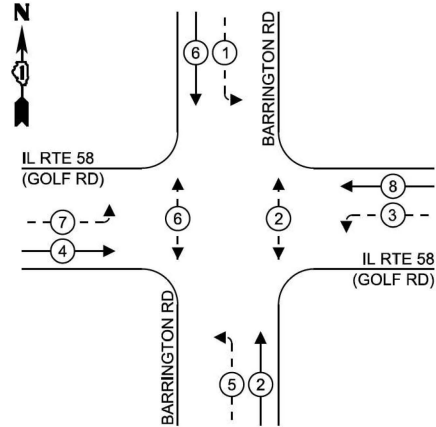
SCALE: 1" = 60' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	215
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

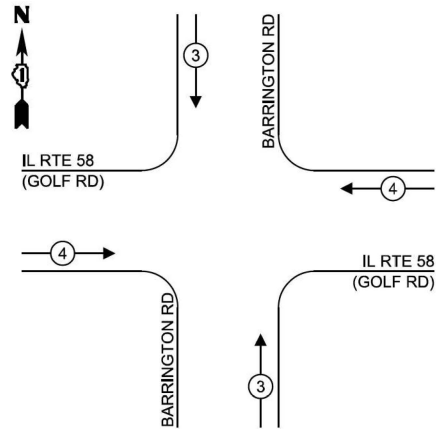
TS 2725  
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: M:\2018\3\CH118\03-2500\DOT\_PTB\_190 - Various Traffic Signal Design\Graphics\WO 23-020 - 62N97 - IL 58\CD\62N97 Sheet IL 58 at Barrington Temporary Cable Plan.dgn

STAGE 1 CONTROLLER SEQUENCE



STAGE 1 EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



LEGEND:

- ← \* → PROTECTED PHASE
- ← - \* - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- OL OVERLAP

TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	4	11	44
4 - SECTION	-	14	-
5 - SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			438
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1043

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: JAMES CAMPBELL  
PHONE: (630) 940-6805  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

Sam Schwartz  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz
PLOT SCALE = 40,0000' / in.
PLOT DATE = 5/3/2024

DESIGNED - ERICA SALUTZ	REVISED -
DRAWN - KATHLEEN MURPHY	REVISED -
CHECKED - PETER WOJTKIEWICZ	REVISED -
DATE - 5/3/2024	REVISED -

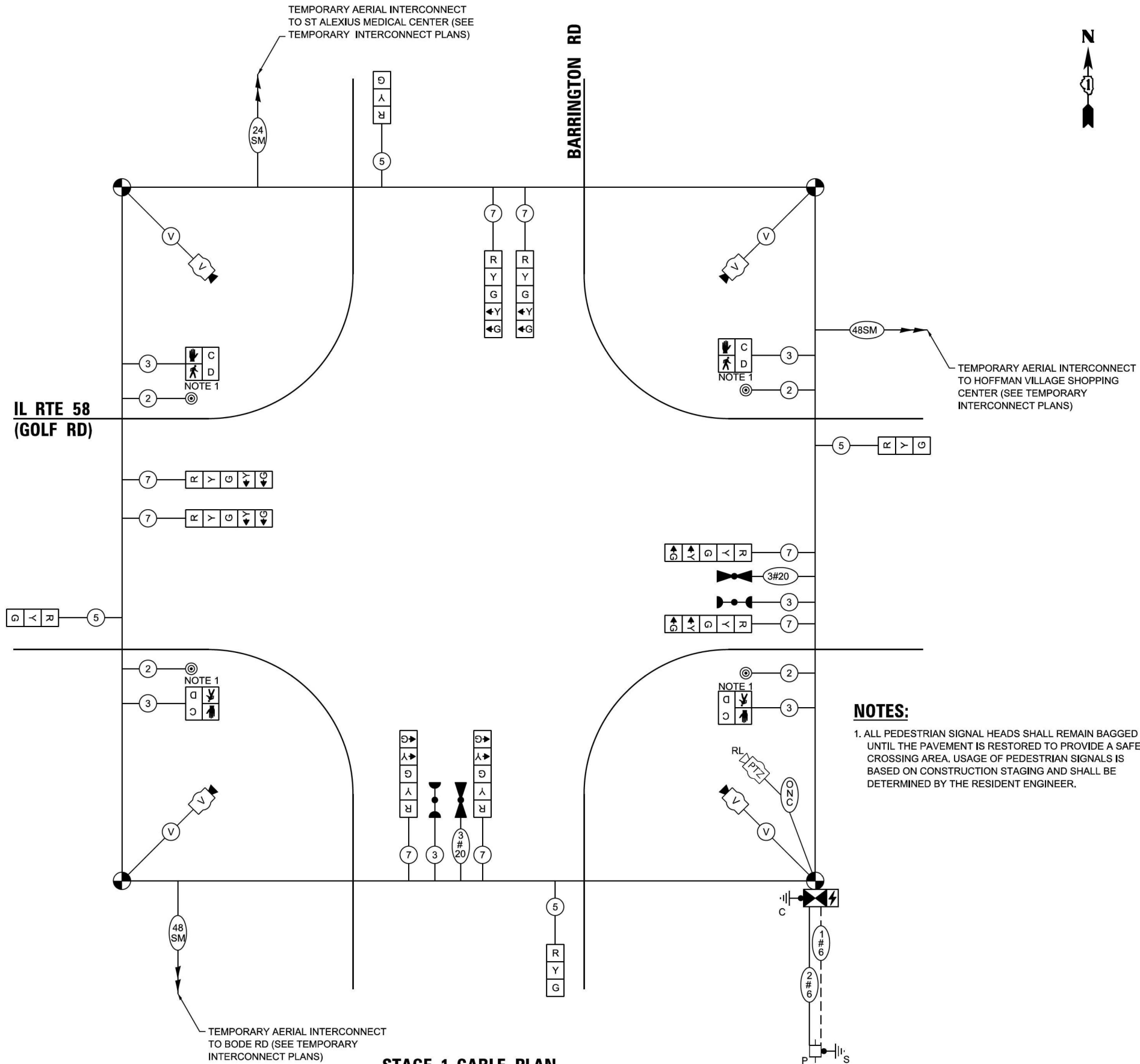
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 1 TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 58 (GOLF RD) AT BARRINGTON RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	216
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

TS 2725  
IDOT CENTRACS  
FORMER ECON 150

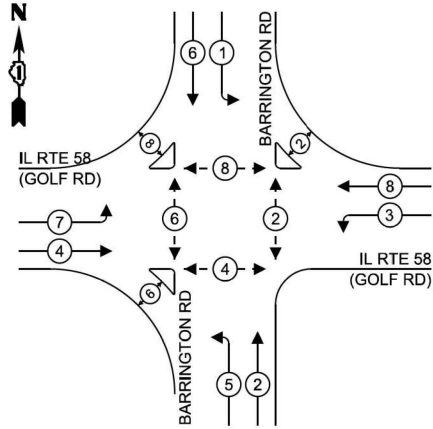


NOTES:

- ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

FILE NAME: M:\2019\3\CH118\03-2500\DOT\_PTB\_190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet IL 58 at Barrington Temporary Cable Plan.dgn

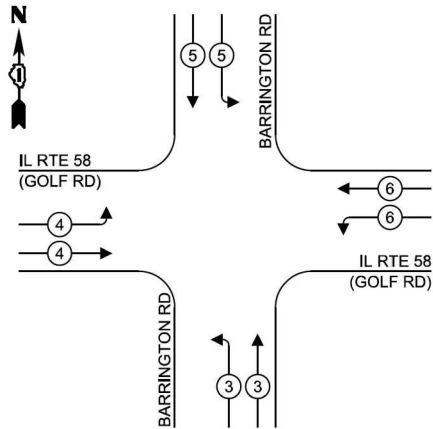
STAGE 2 THRU 4 CONTROLLER SEQUENCE



LEGEND:

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

STAGE 2 THRU 4 EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	23	11	253
4 - SECTION	-	14	-
5 - SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	14	15	210
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			693
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1298

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: JAMES CAMPBELL  
PHONE: (630) 940-6805  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

Sam Schwartz  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz  
DESIGNED - ERICA SALUTZ  
DRAWN - KATHLEEN MURPHY  
PLOT SCALE = 40,0000' / in.  
CHECKED - PETER WOJTKIEWICZ  
PLOT DATE = 5/3/2024  
DATE - 5/3/2024  
REVISED -

DESIGNED - ERICA SALUTZ  
DRAWN - KATHLEEN MURPHY  
CHECKED - PETER WOJTKIEWICZ  
DATE - 5/3/2024  
REVISED -

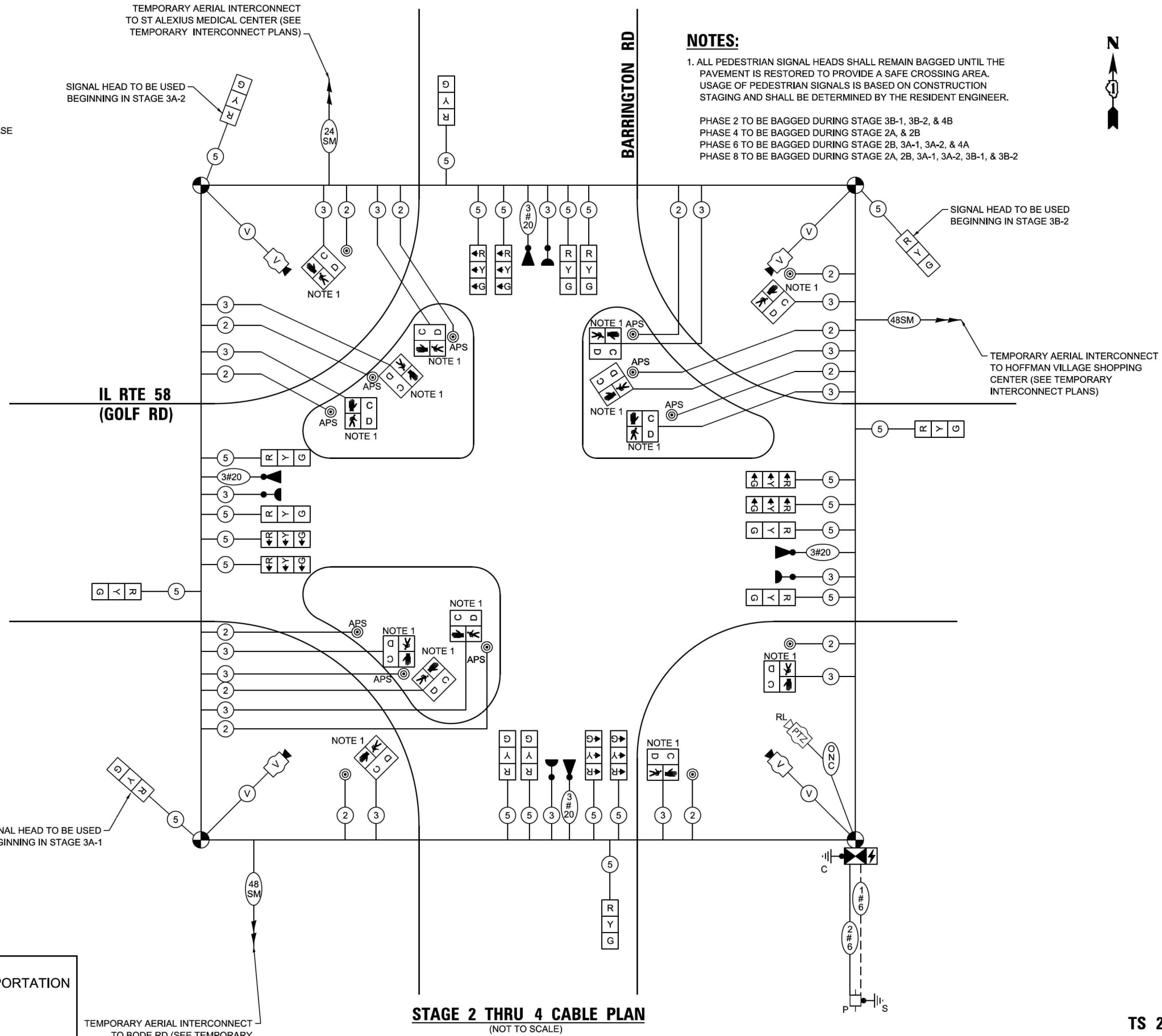
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DRAWN - KATHLEEN MURPHY  
CHECKED - PETER WOJTKIEWICZ  
DATE - 5/3/2024  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 2 THRU 4 TEMPORARY CABLE PLAN, PHASE DESIGNATION  
DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 58 (GOLF RD) AT BARRINGTON RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	217
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



NOTES:

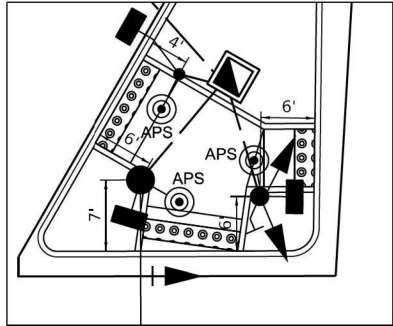
- ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER.
- PHASE 2 TO BE BAGGED DURING STAGE 3B-1, 3B-2, & 4B
- PHASE 4 TO BE BAGGED DURING STAGE 2A, & 2B
- PHASE 6 TO BE BAGGED DURING STAGE 2B, 3A-1, 3A-2, & 4A
- PHASE 8 TO BE BAGGED DURING STAGE 2A, 2B, 3A-1, 3A-2, 3B-1, & 3B-2



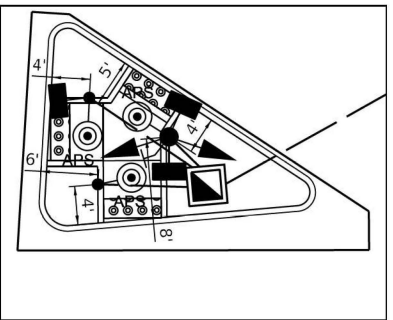
TS 2725  
IDOT CENTRACS  
FORMER ECON 150

LEGEND:

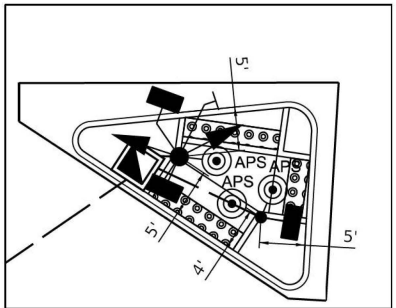
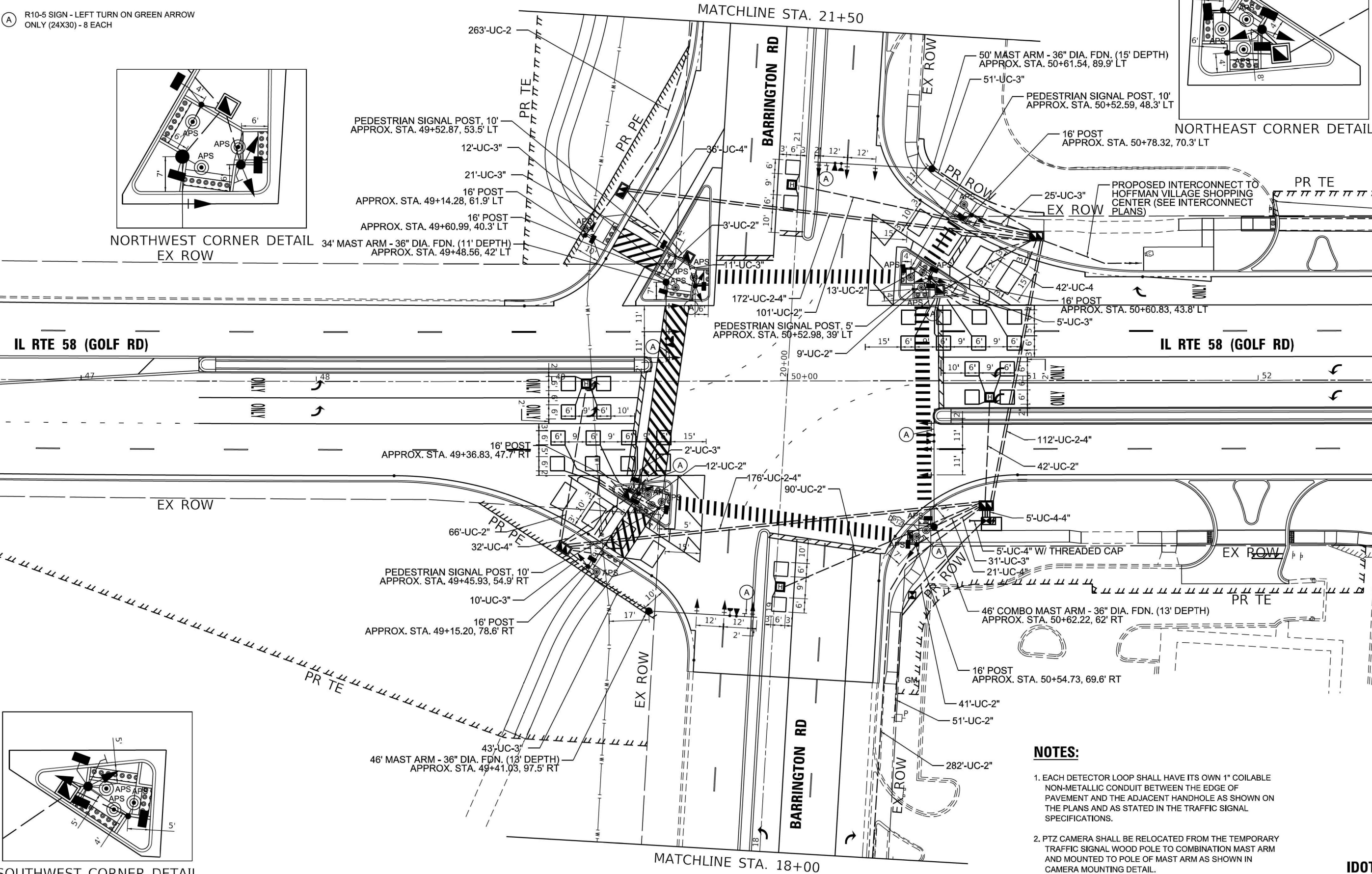
A R10-5 SIGN - LEFT TURN ON GREEN ARROW  
ONLY (24X30) - 8 EACH



NORTHWEST CORNER DETAIL  
EX ROW



NORTHEAST CORNER DETAIL



SOUTHWEST CORNER DETAIL

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. PTZ CAMERA SHALL BE RELOCATED FROM THE TEMPORARY TRAFFIC SIGNAL WOOD POLE TO COMBINATION MAST ARM AND MOUNTED TO POLE OF MAST ARM AS SHOWN IN CAMERA MOUNTING DETAIL.

TS SHT NO. 15

**Sam Schwartz**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 5/3/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)  
IL RTE 58 (GOLF RD) AT BARRINGTON ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	218
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

TS 2725  
IDOT CENTRACS  
FORMER ECON 150



FILE NAME: M:\2019\3 CH\118-03-5500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet IL 58 at Barrington Proposed Plan.dgn

**Sam Schwartz**

200 S. WACKER DR.  
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CHICAGO, IL 60606  
TEL: (773) 305-0800

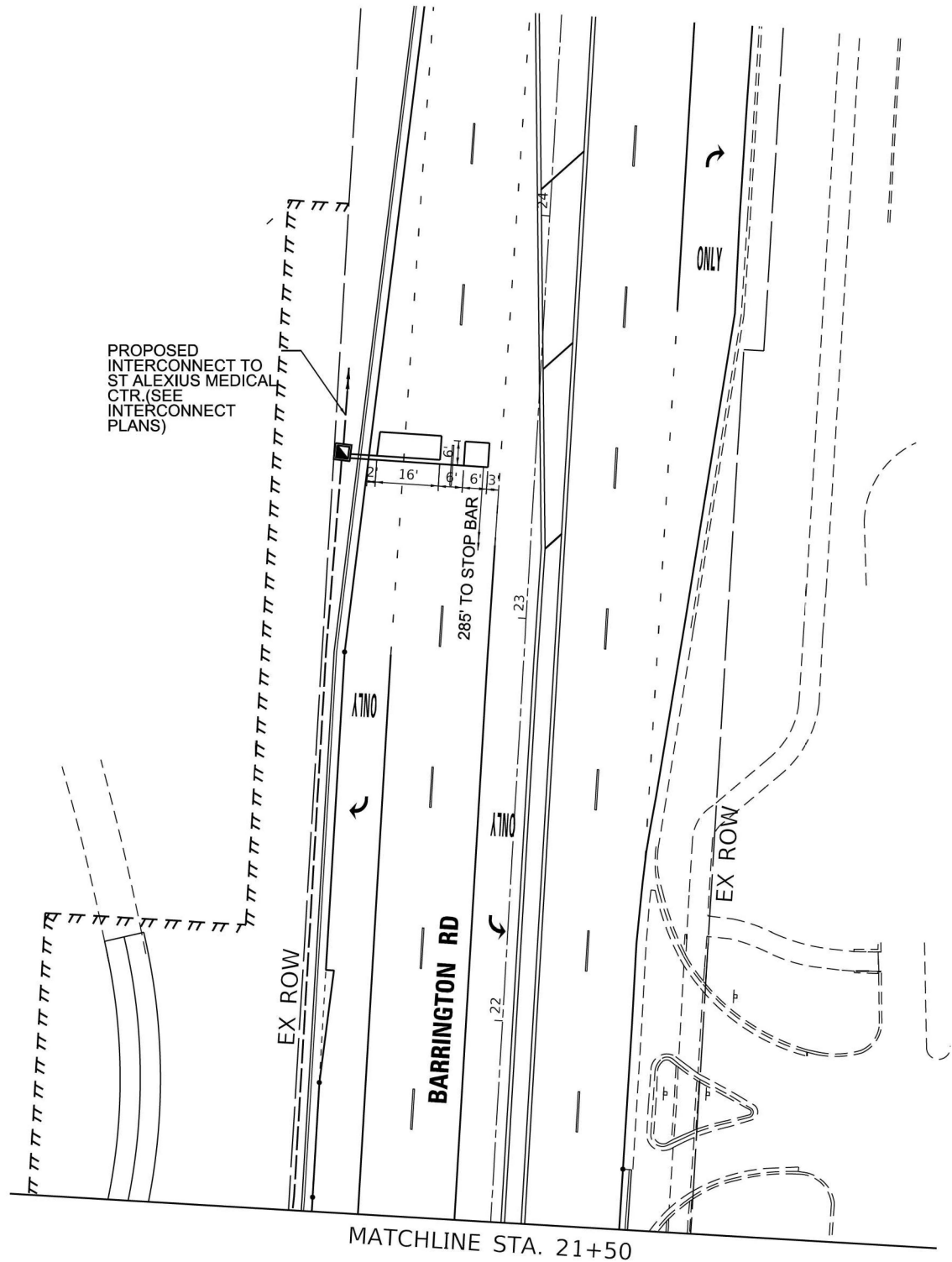
USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)  
IL RTE 58 (GOLF RD) AT BARRINGTON ROAD

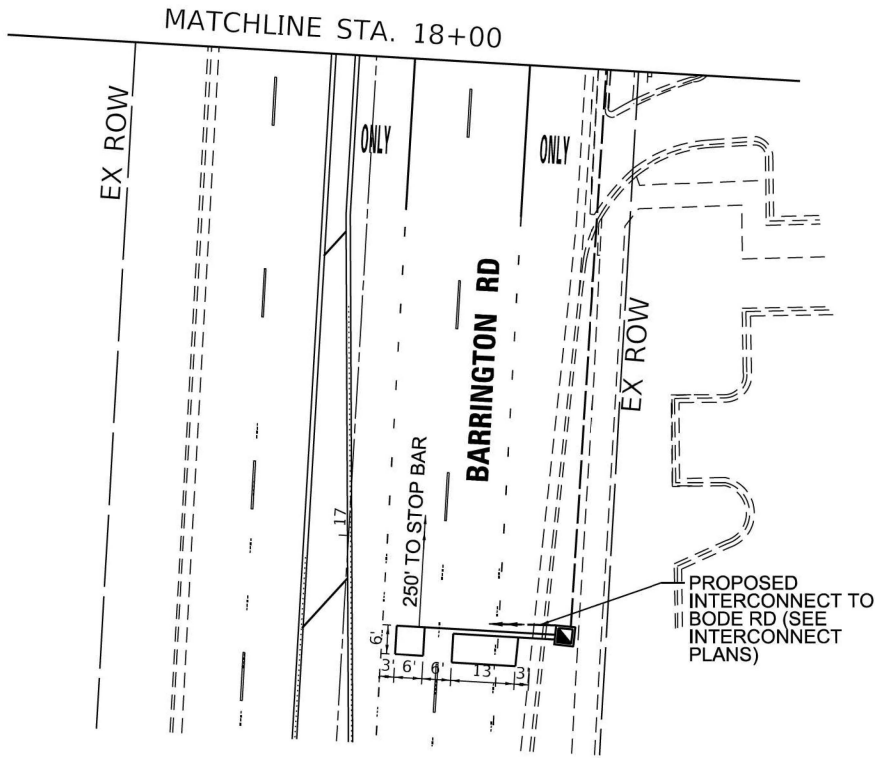
SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	219
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



NOTES:

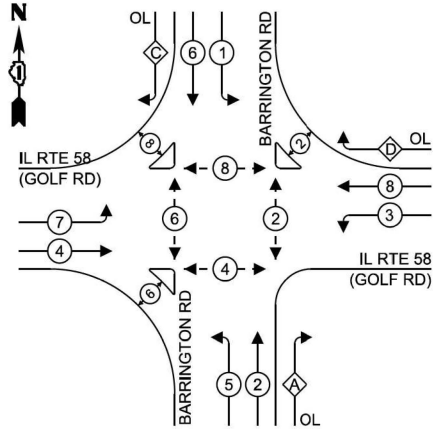
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



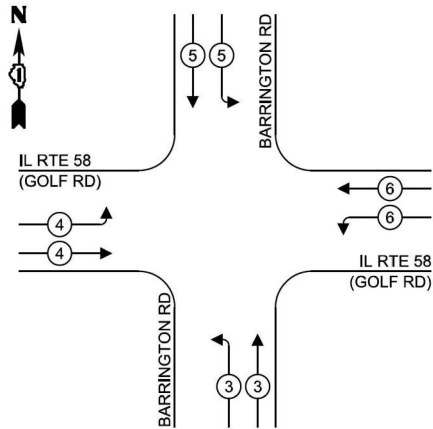
TS 2725  
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: M:\2019\3\CH18\04\2500 DOT P18 180 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CAD\62N97 Sheet IL 58 at Barrington Cable Plan.dgn

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	15	11	165
4 - SECTION	-	14	-
5 - SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	14	15	210
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			689
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	1	15	15
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			1369

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: JAMES CAMPBELL  
PHONE: (630) 940-6805  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

Sam Schwartz  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

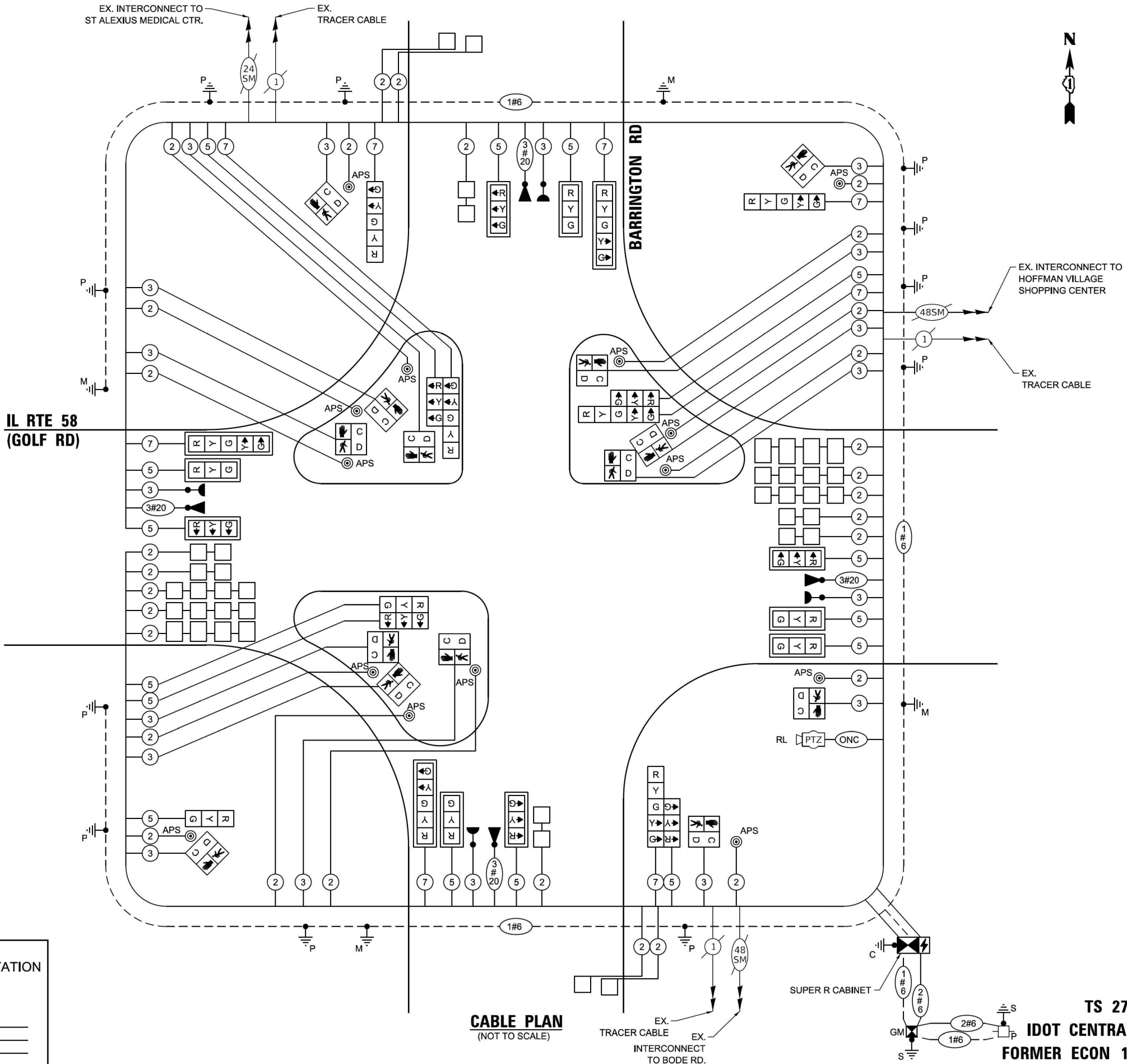
USER NAME = erica.salutz  
DESIGNED - ERICA SALUTZ  
DRAWN - KATHLEEN MURPHY  
CHECKED - PETER WOJTKIEWICZ  
DATE - 5/3/2024  
PLOT SCALE = 40,0000' / in.  
PLOT DATE = 5/3/2024

REVISD -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 58 (GOLF RD) AT BARRINGTON RD  
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	220
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

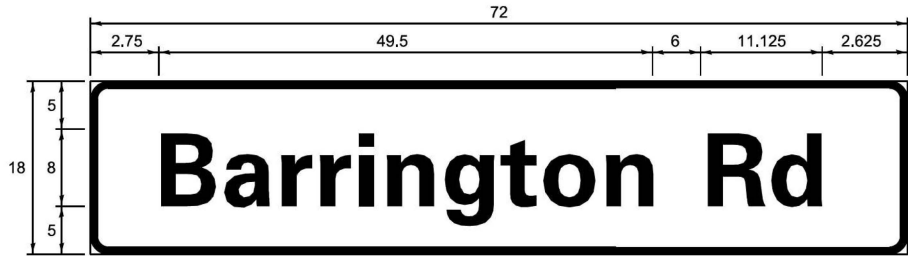


TS 2725  
IDOT CENTRACS  
FORMER ECON 150

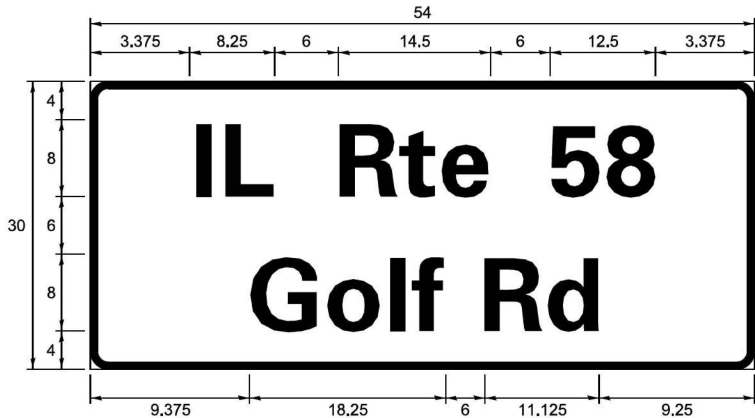
FILE NAME: \\s01913\CH\18\03-5500\DOT\_PTB\_190 - Various Traffic Signal Design\Graphics\WO\_22-020 - 62N97 - IL 58\CD\621N97\_Sheet\_Mast\_Arm\_Signs & 500.dgn

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	9	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	11.25	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL - TYPE 1	SQ FT	58
SIGN PANEL - TYPE 2	SQ FT	23
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	973
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	211
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1076
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3541
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	4750
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3814
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2222
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4763
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	127
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1632
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	7
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	32
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	52
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	16
DETECTOR LOOP, TYPE I	FOOT	1688
* LIGHT DETECTOR	EACH	4
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1125
OUTDOOR RATED NETWORK CABLE	FOOT	102
TERMINATE FIBER IN CABINET	EACH	72
SPLICE FIBER IN CABINET	EACH	36
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	14
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

\* 100% COST TO THE VILLAGE OF HOFFMAN ESTATES

Sam Schwartz

200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

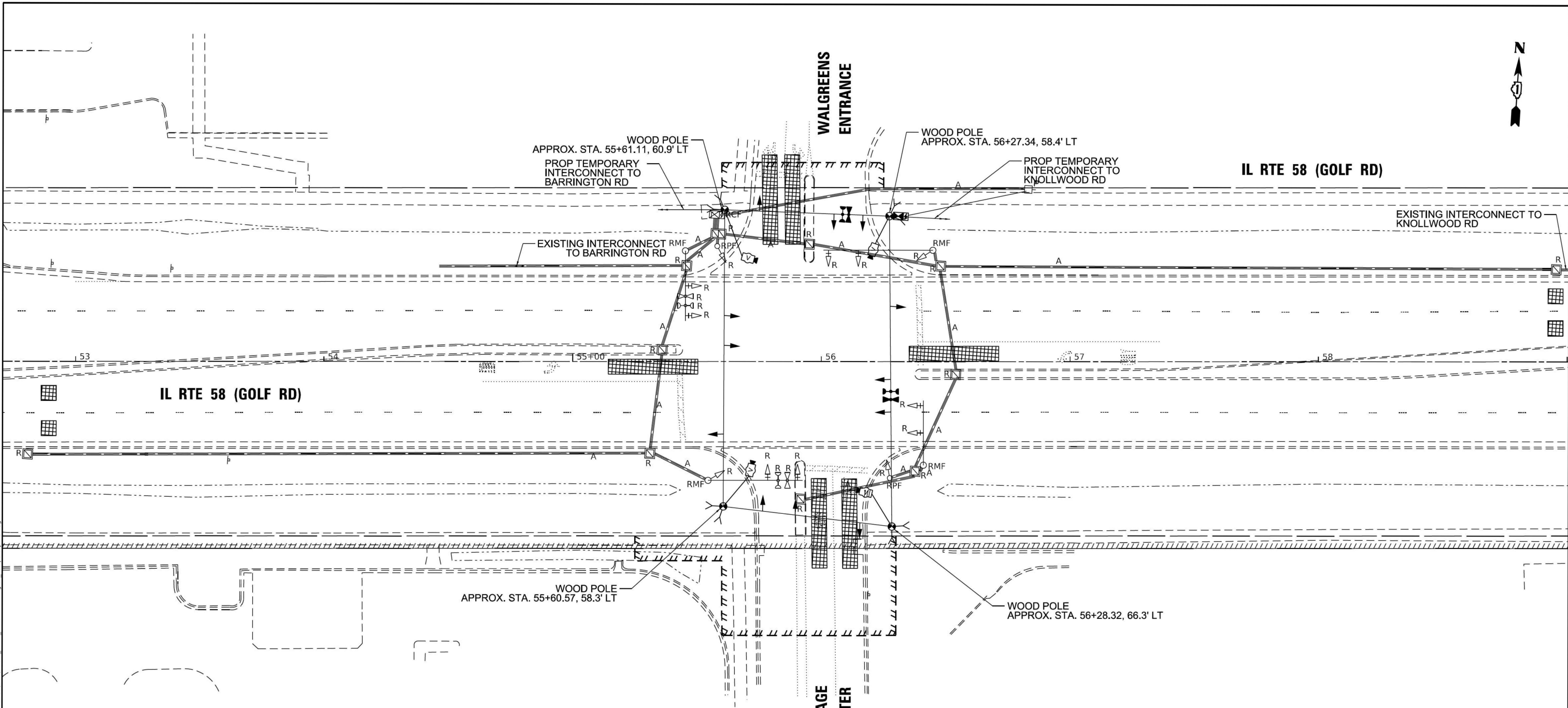
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS  
AND SCHEDULE OF QUANTITIES  
IL RTE 58 (GOLF RD) AT BARRINGTON ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	221
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

FILE NAME: M3 201913 CH118403-5500 IDOT ITB 190 - Various Traffic Signal DesignGraphicsWO 22-020 - 62N97 - IL 58(CAD)62N97 Sheet IL 58 at Barrington Temporary Rtn.dgn



**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CABINET
- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 2 EACH TRAFFIC SIGNAL POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 8 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND INSTALLED IN THE TEMPORARY CABINET AND WOOD POST. THESE ITEMS WILL ALSO BE REMOVED FROM THE TEMPORARY CABINET AND INSTALLED IN THE PERMANENT CABINET AND MAST ARM. THIS WORK SHALL BE PAID FOR UNDER RELOCATE EXISTING TRAFFIC SIGNALS EQUIPMENT PAY ITEM.

- 1 EACH LAYER II SWITCH
- 1 EACH FIBER OPTIC INTERCONNECT CENTER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

VILLAGE OF HOFFMAN ESTATES  
1900 HASSELL RD  
HOFFMAN ESTATES, IL 60169  
847-252-5800

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO IDOT.

- 1 EACH CONTROLLER

**PRESTAGE**

**Sam Schwartz**  
200 S. WACKER DR., SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 5/3/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY PRESTAGE TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN			
IL RTE 58 (GOLF RD) AT HOFFMAN VILLAGE SHOPPING CENTER			
SCALE: 1" = 20'	SHEET OF SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	222
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

TS 20402  
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: M:\2019\3 CH\18\03\5500 DOT PTB 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet IL 58 at Barrington Temporary Plan.dgn

**Sam Schwartz**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

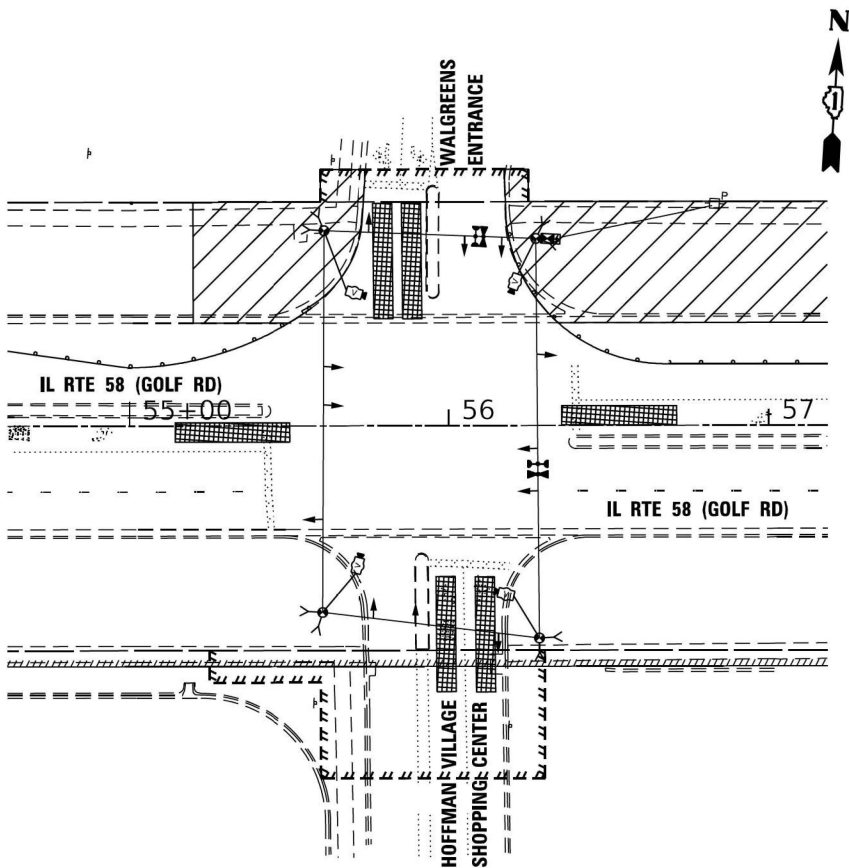
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PLOT SCALE = 60.0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 5/3/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

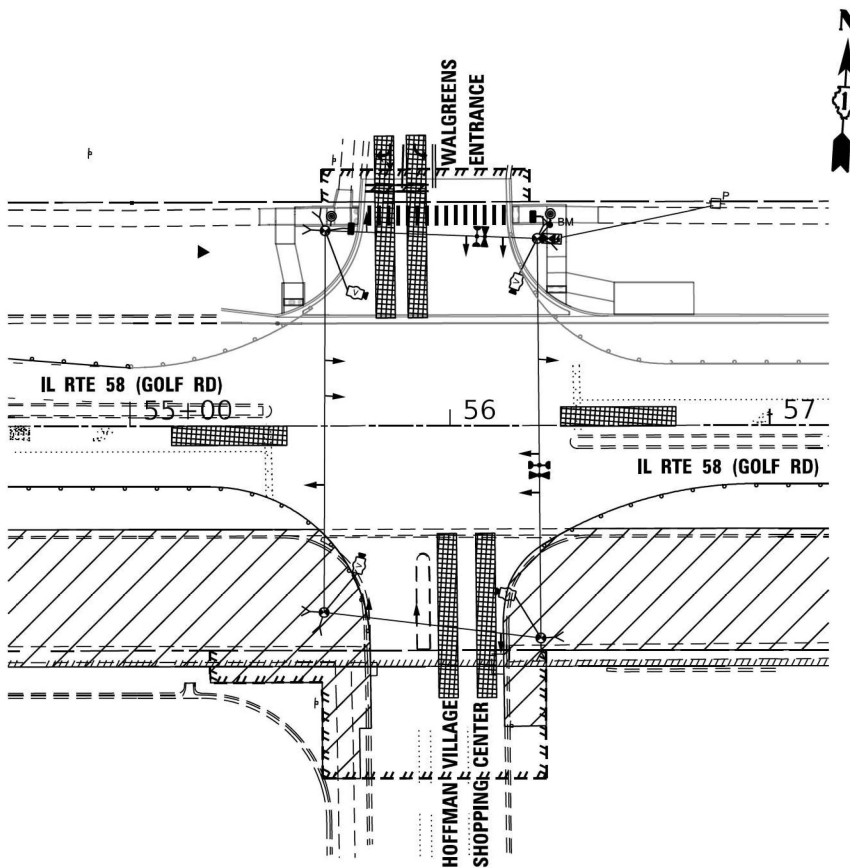
TEMPORARY TRAFFIC SIGNAL INSTALLATION  
STAGE CONSTRUCTION PLAN  
IL RTE 58 (GOLF RD) AT HOFFMAN VILLAGE SHOPPING CENTER  
SCALE: 1" = 60' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	223
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

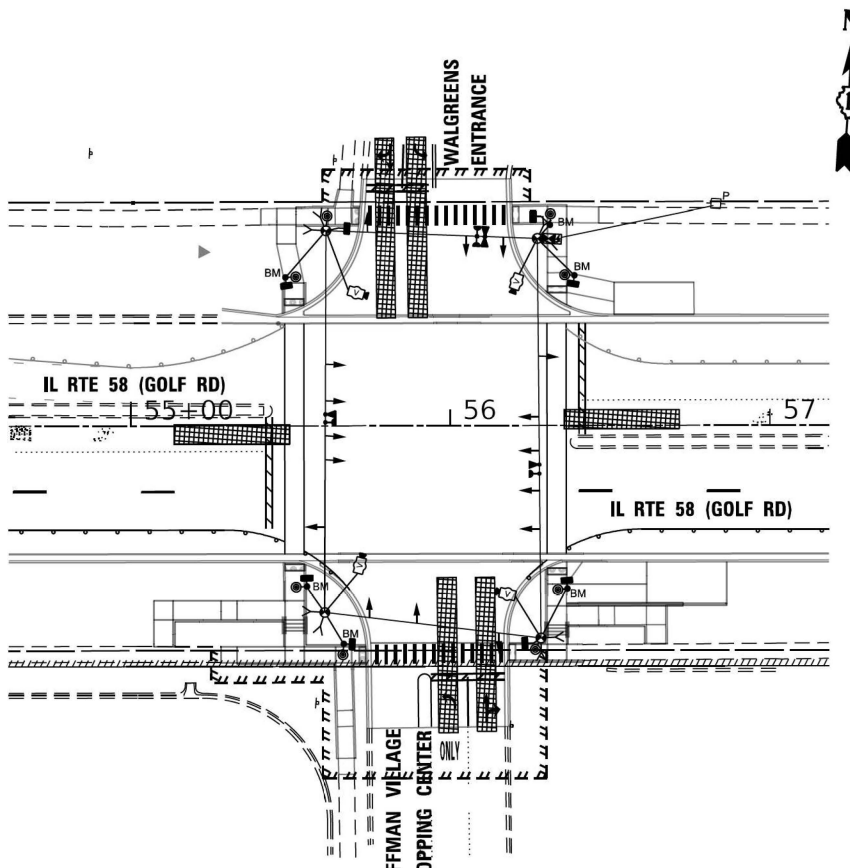
STAGE 1



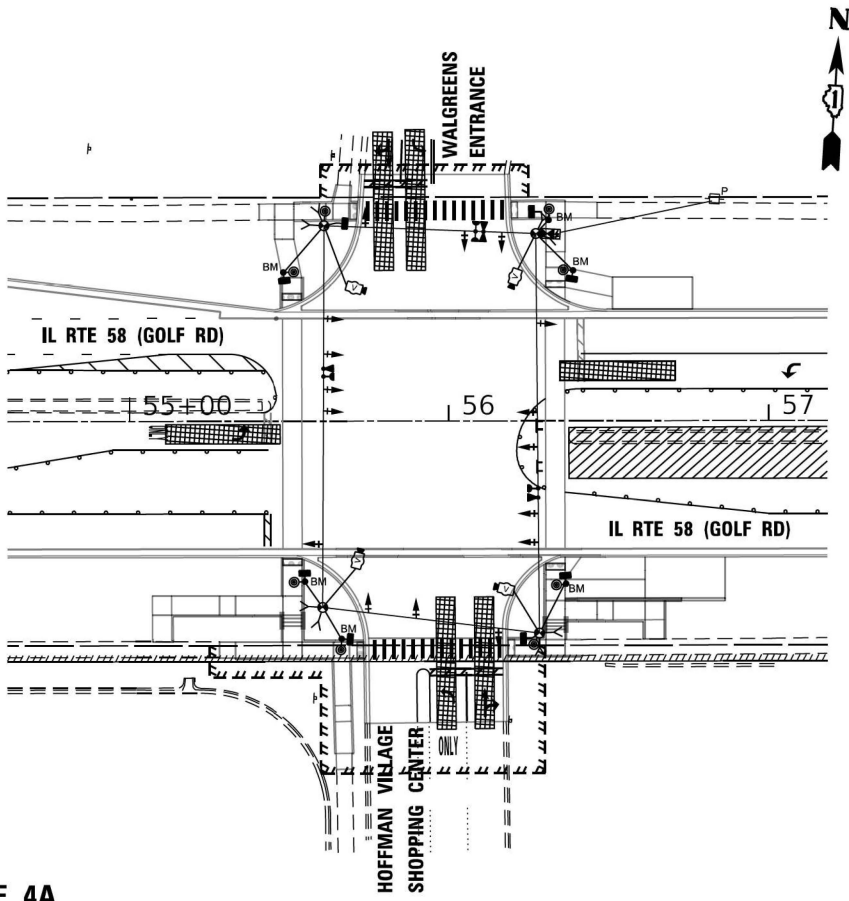
STAGE 2A



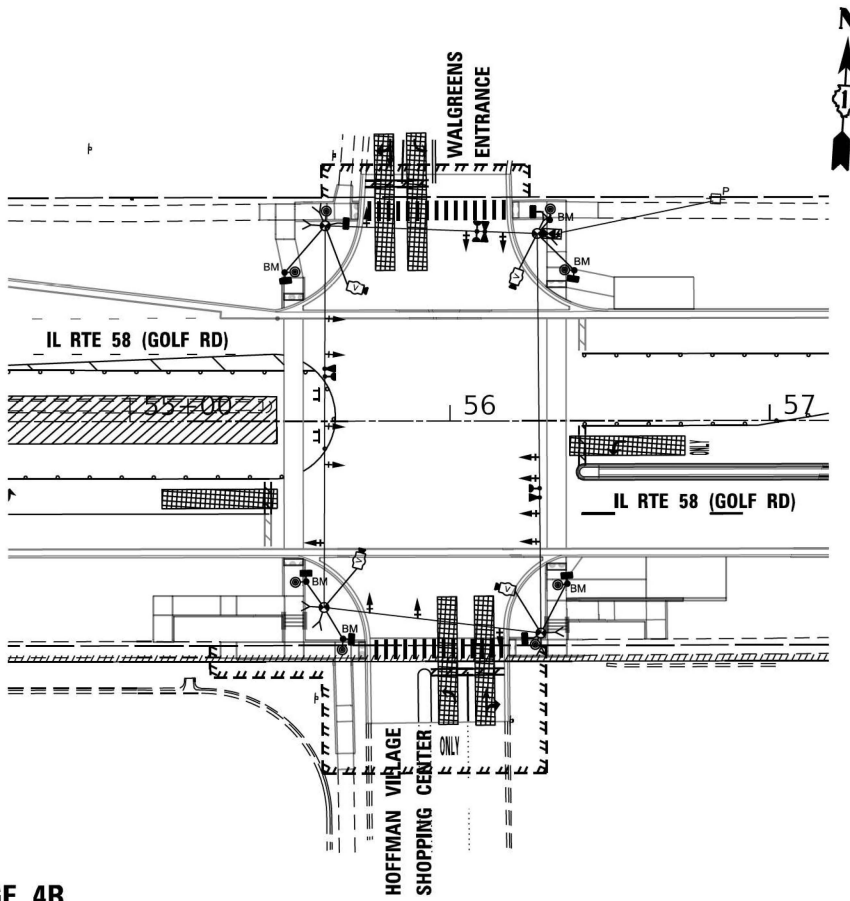
STAGE 2B, 3A-1, 3A-2, 3B-1, 3B-2



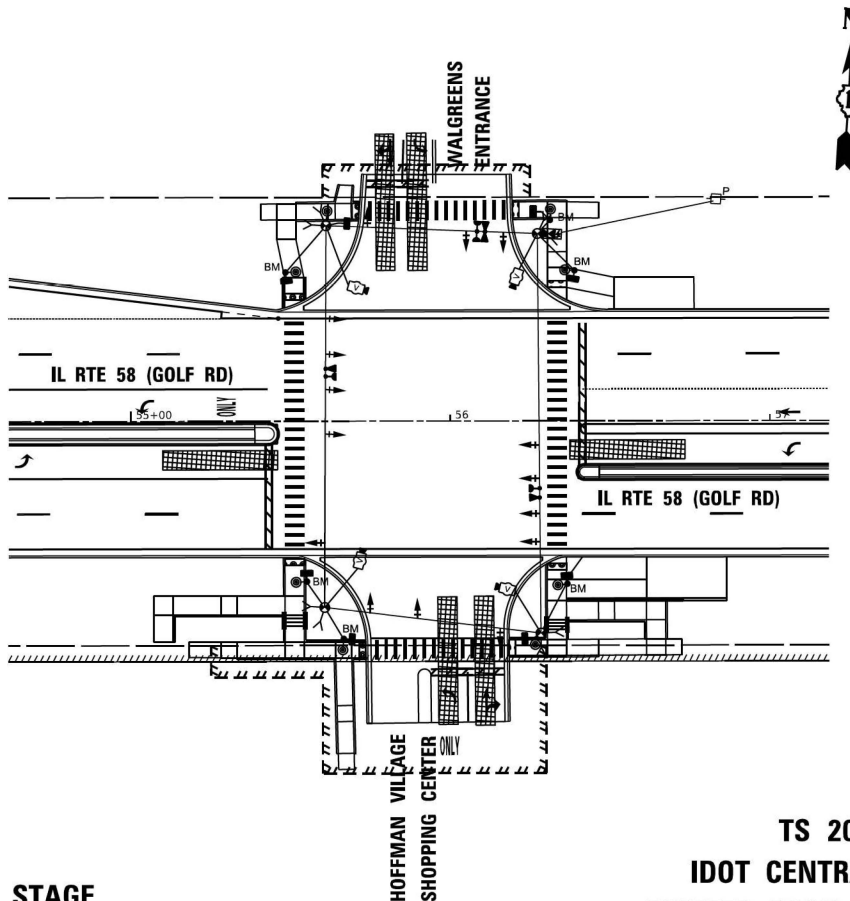
STAGE 4A



STAGE 4B



POST STAGE

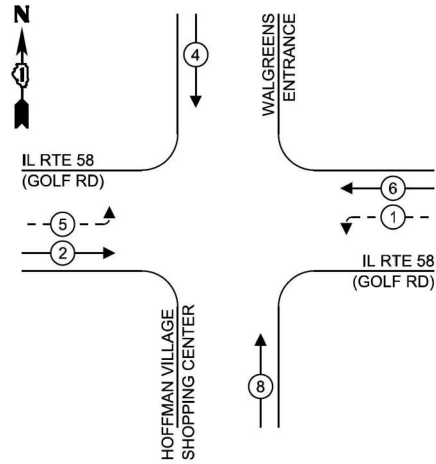


TS 20402  
IDOT CENTRACS  
FORMER ECON 150

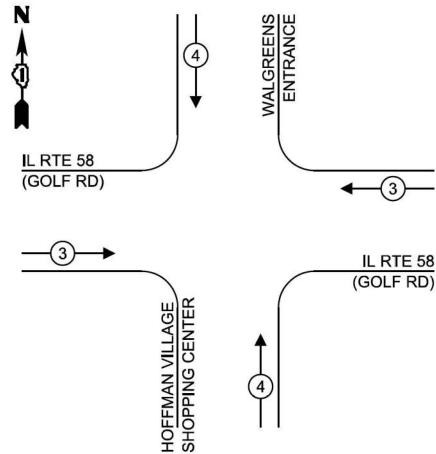


FILE NAME: M:\2019\3\CH118\03-2500 DOT P18 190 - Various Traffic Signal Design\Graphics\WO 23-020 - 62N97 - IL 58\CD\62N97 Sheet IL 58 at Barrington Temporary Cable Plan.dgn

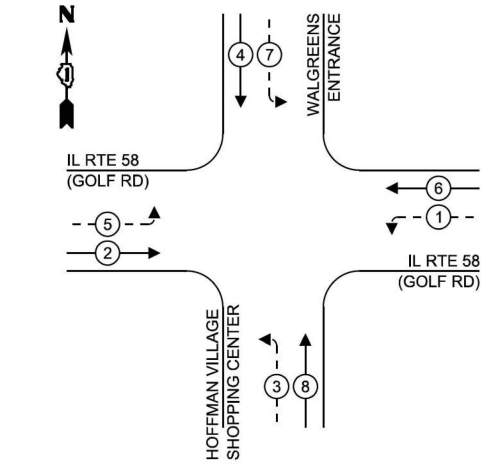
EXISTING CONTROLLER SEQUENCE



EXISTING, STAGE 1 & 2A EMERGENCY VEHICLE PREEMPTION SEQUENCE



STAGE 1 & 2A CONTROLLER SEQUENCE



TEMPORARY AERIAL INTERCONNECT TO BARRINGTON RD (SEE TEMPORARY INTERCONNECT PLANS)

IL RTE 58 (GOLF RD)

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE

48SM

HOFFMAN VILLAGE SHOPPING CENTER

STAGE 1 & 2A CABLE PLAN (NOT TO SCALE)

WALGREENS ENTRANCE

BAG IN PRE-STAGE

TEMPORARY AERIAL INTERCONNECT TO KNOLLWOOD LN (SEE TEMPORARY INTERCONNECT PLANS)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	4	11	44
4 - SECTION	-	14	-
5 - SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			408
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1013

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: JAMES CAMPBELL  
PHONE: (630) 940-6805  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

Sam Schwartz  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 5/3/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 1 & 2A TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 58 (GOLF RD) AT HOFFMAN VILLAGE SHOPPING CENTER

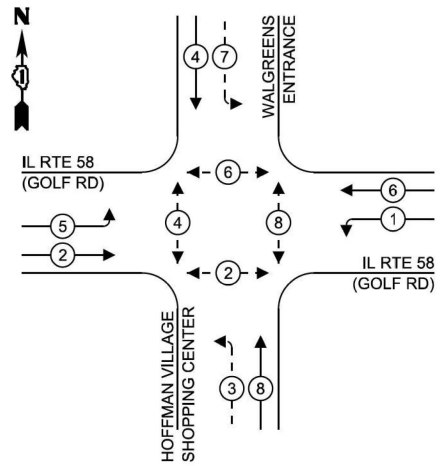
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	224
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

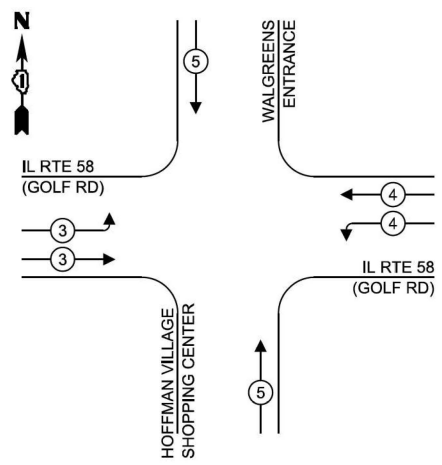
TS 20402  
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: M:\2010\3 CH118\03-2500 IDOT P18 190 - Various Traffic Signal Design\Graphics\WO 22-2020 - 62N97 - IL 58\CD\62N97 Sheet IL 58 at Barrington Temporary Cable Plan.dgn

STAGE 2B, 3 & 4 CONTROLLER SEQUENCE



STAGE 2B, 3 & 4 EMERGENCY VEHICLE PREEMPTION SEQUENCE



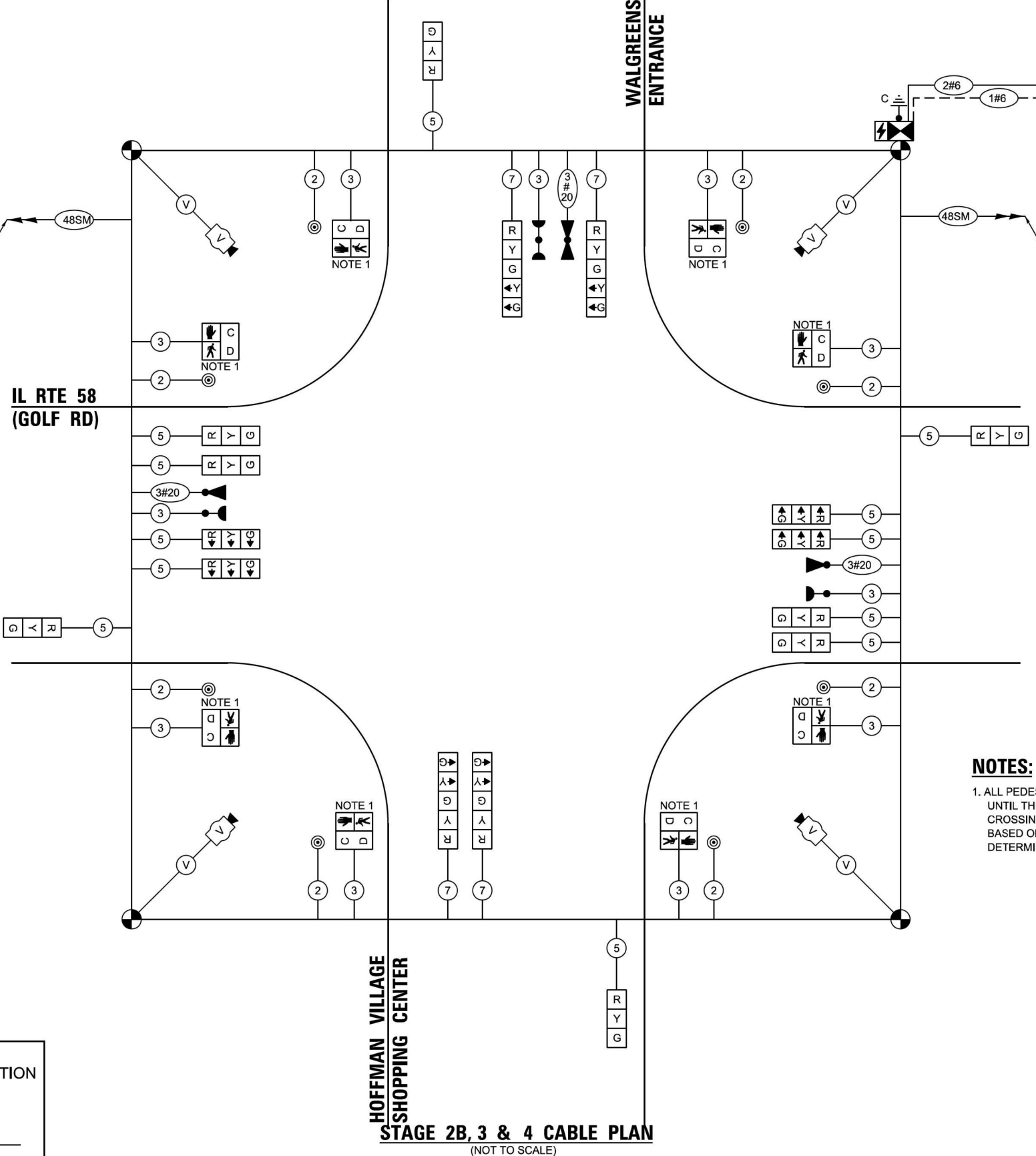
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	12	11	132
4 - SECTION	-	14	-
5 - SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			534
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1139

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: JAMES CAMPBELL  
PHONE: (630) 940-6805  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE



NOTES:

- ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA. USAGE OF PEDESTRIAN SIGNALS IS BASED ON CONSTRUCTION STAGING AND SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

Sam Schwartz  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 5/3/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

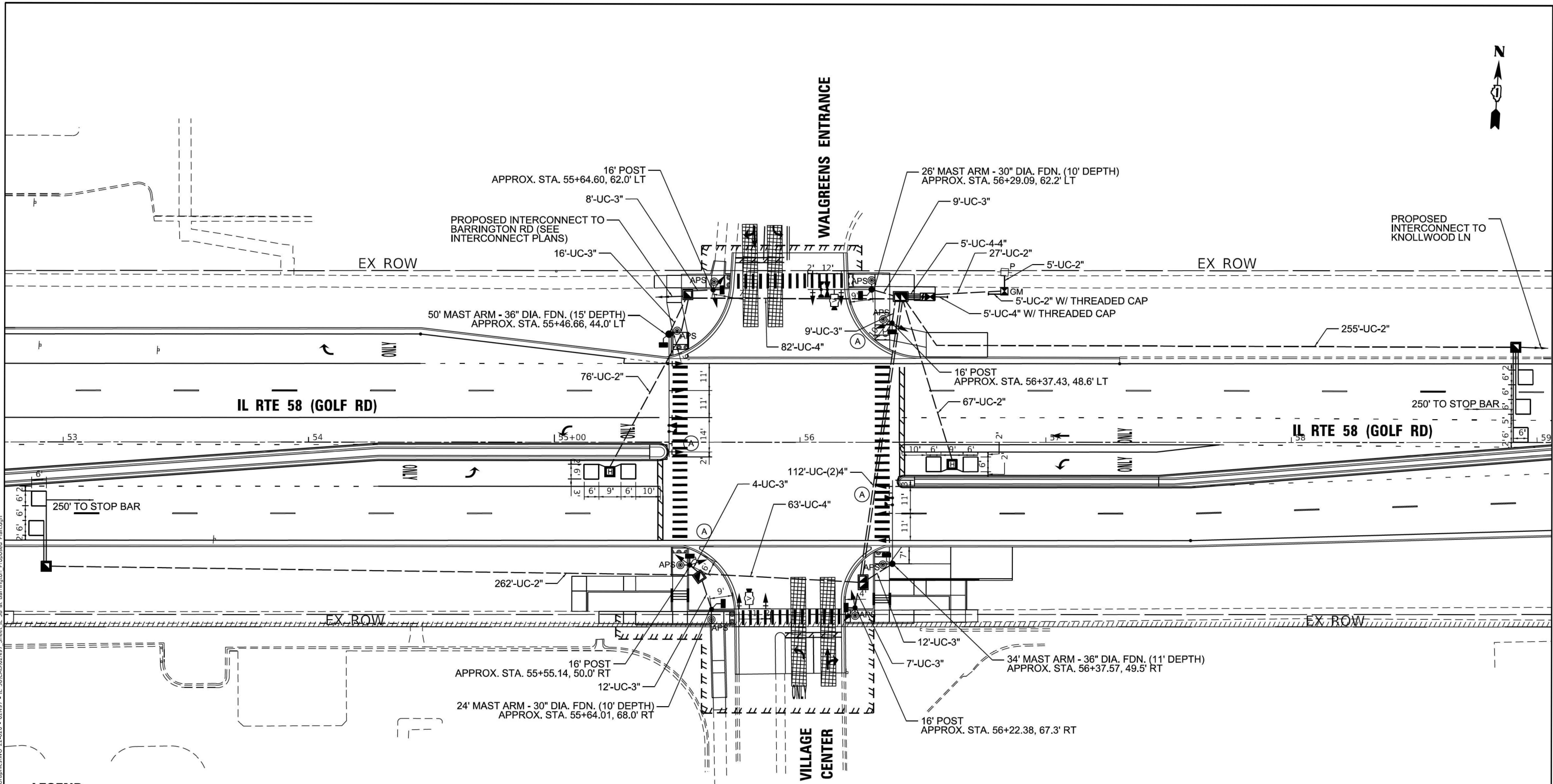
STAGE 2B, 3 & 4 TEMPORARY CABLE PLAN, PHASE DESIGNATION  
DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 58 (GOLF RD) AT HOFFMAN VILLAGE SHOPPING CENTER

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	225
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

TS 20402  
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: M3 201913 CH118403-5500 DDOT P19 - Various Traffic Signal DesignGraphicsWO 22-020 - 62N97 - IL 58/CA062N97 Sheet IL 58 at Barrington Proposed Plan.dgn



**LEGEND:**

- (A) R10-5 SIGN - LEFT TURN ON GREEN ARROW ONLY (24X30) - 4 EACH

**NOTES:**

- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

**Sam Schwartz**  
200 S. WACKER DR.  
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TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE = 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)  
IL RTE 58 (GOLF RD) AT HOFFMAN VILLAGE SHOPPING CENTER

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

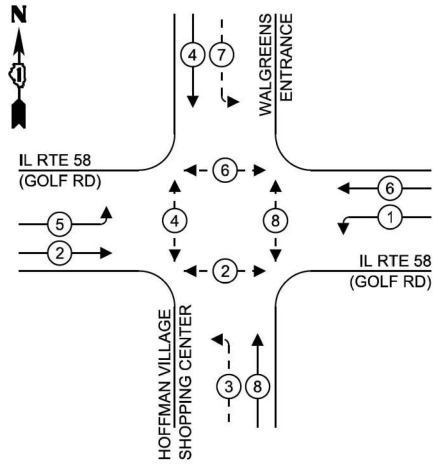
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	226
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

TS 20402  
IDOT CENTRACS  
FORMER ECON 150

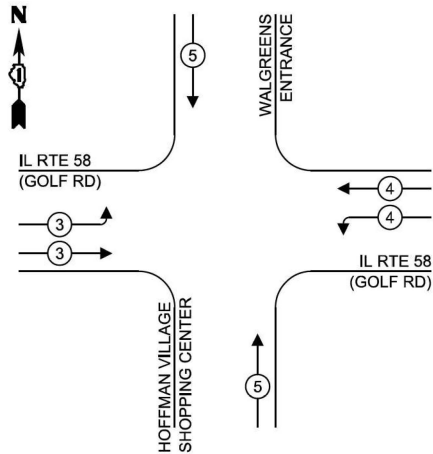


FILE NAME: M:\2019\3\CH118\03-2500\DOT\PTB\_190 - Various Traffic Signal Design\Graphics\WO\_23-020 - 62N97 - IL 58\CD\62N97 Sheet IL 58 at Barrington Cable Plan.dgn

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



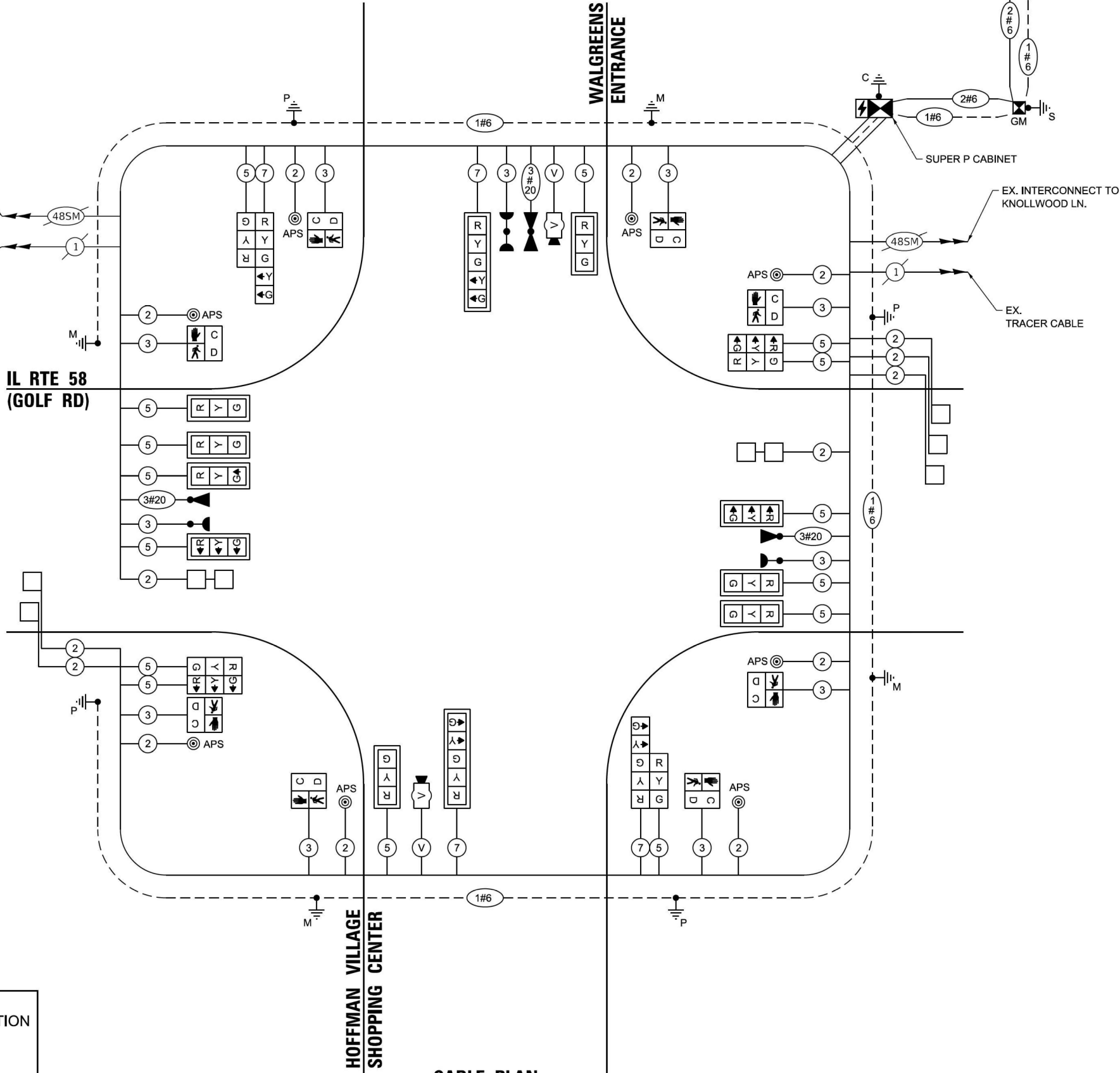
TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	15	11	165
4 - SECTION	-	14	0
5 - SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	2	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			587
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1192

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: JAMES CAMPBELL  
PHONE: (630) 940-6805  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE



CABLE PLAN  
(NOT TO SCALE)

Sam Schwartz  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz
PLOT SCALE = 40,0000' / in.
PLOT DATE = 5/3/2024

DESIGNED - ERICA SALUTZ	REVISED -
DRAWN - KATHLEEN MURPHY	REVISED -
CHECKED - PETER WOJTKIEWICZ	REVISED -
DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 58 (GOLF RD) AT HOFFMAN VILLAGE SHOPPING CENTER

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

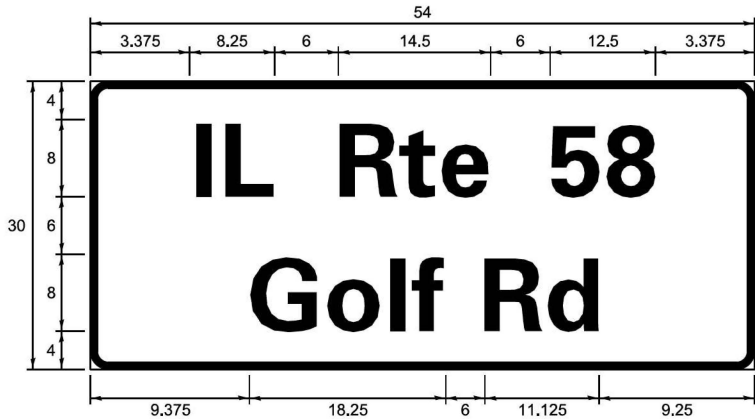
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	227
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

TS 20402  
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: M:\2019\3 CH\118-03-5500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 23-020 - 62N97 - IL 58\CAD\62N97 Sheet Mast Arm Signs & 500.dgn

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	11.25	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL - TYPE 1	SQ FT	20
SIGN PANEL - TYPE 2	SQ FT	23
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	692
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	77
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	394
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1161
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1694
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2258
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	665
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1829
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	67
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	680
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	26
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	317
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	477
TERMINATE FIBER IN CABINET	EACH	24
SPLICE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

\* 100% COST TO THE VILLAGE OF HOFFMAN ESTATES

Sam Schwartz

200 S. WACKER DR.  
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TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

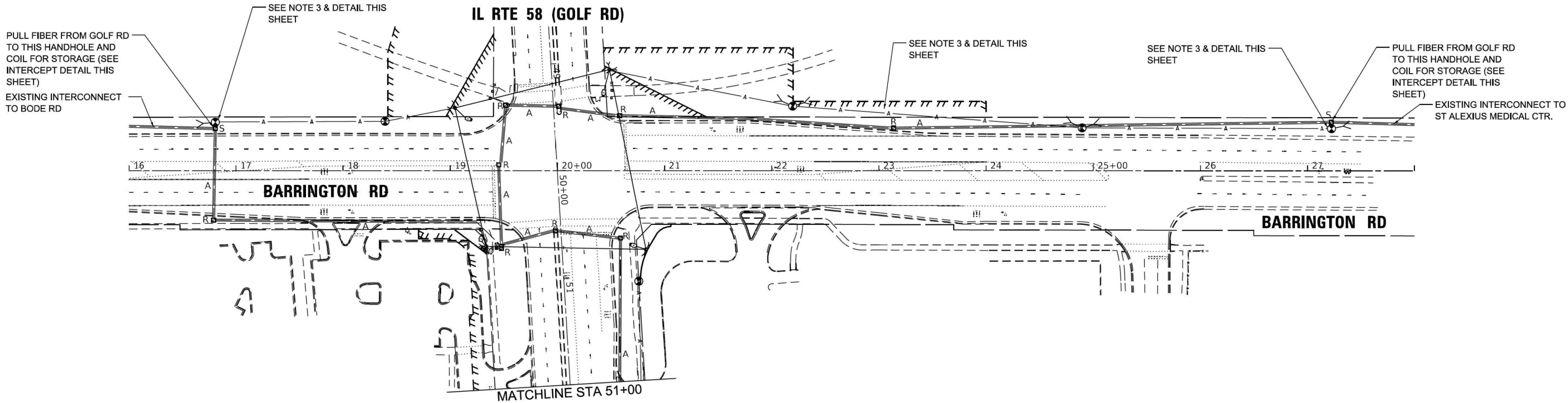
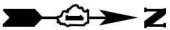
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES IL RTE 58 (GOLF RD) AT HOFFMAN VILLAGE SHOPPING CENTER			
SCALE: N.T.S.	SHEET	OF	SHEETS
STA.		TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	228
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

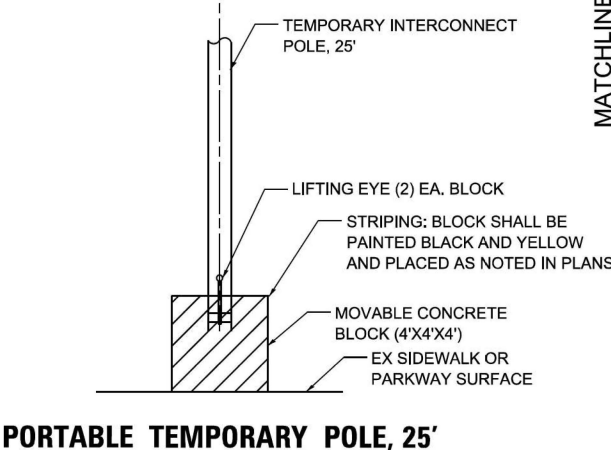
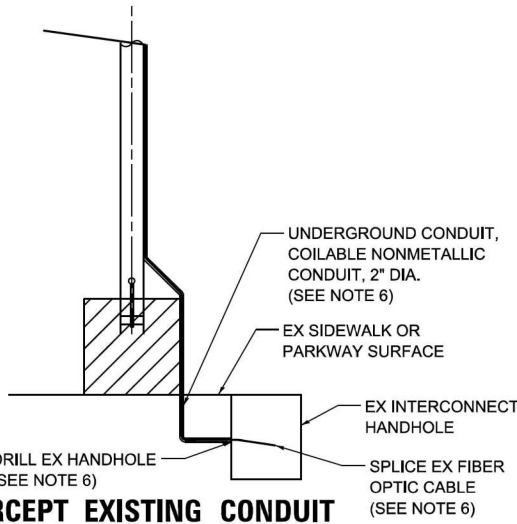
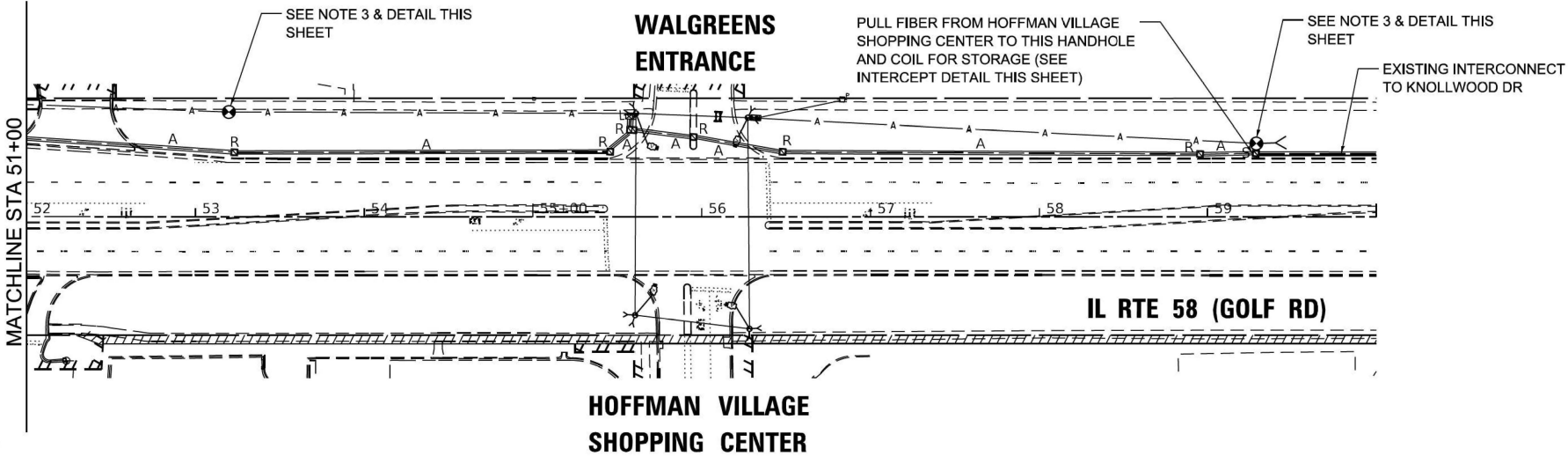
TS 20402  
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: N:\2019\3 CH118-03-5500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet Temporary Interconnect Plan.dgn



NOTES:

1. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR TEMPORARY SIGNAL EQUIPMENT LOCATIONS.
2. PULL EXISTING FIBER & TRACER CABLE FROM CONTROLLER TO HANDHOLE INDICATED ON PLANS WHERE IT IS TO BE COILED AND STORED. FIBER OPTIC CABLE SHALL BE INSTALLED AERIALY FROM THE TEMPORARY CABINET TO THE HANDHOLE AND SPLICED TO THE EXISTING FIBER OPTIC CABLE STORED IN THE HANDHOLE. SPLICE TO BE WATER TIGHT, MOUNTED ON THE WALL OF HANDHOLE AND THE HANDHOLE SHOULD BE FREE OF STANDING WATER. AFTER THE PERMANENT SIGNALS ARE INSTALLED THE SPLICE BETWEEN THE EXISTING FIBER OPTIC CABLE AND TEMPORARY AERIAL FIBER OPTIC CABLE SHALL BE REMOVED AND THE EXISTING FIBER OPTIC CABLE SHALL BE RE-INSTALLED THROUGH THE CONDUITS TO THE NEW CONTROLLER CABINET.
3. PORTABLE TEMPORARY POLE, 25' SEE DETAIL THIS SHEET.
4. THE CONTRACTOR SHALL STAGE WORK TO MAINTAIN THE INTERCONNECT AT ALL TIMES.
5. WIRELESS INTERCONNECT SHALL NOT BE ALLOWED FOR THE TEMPORARY INTERCONNECT.
6. ALL WORK SHOWN ON THIS SHEET IS INCLUDED WITH THE PAY ITEM TEMPORARY TRAFFIC SIGNAL INSTALLATION.



IDOT CENTRACS  
FORMER ECON 150

**Sam Schwartz**  
200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 5/3/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 5/3/2024	REVISED -

DESIGNED - ERICA SALUTZ	REVISED -
DRAWN - KATHLEEN MURPHY	REVISED -
CHECKED - PETER WOJTKIEWICZ	REVISED -
DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN  
IL RTE 58 (GOLF RD) - BARRINGTON RD TO KNOLLWOOD LN  
BARRINGTON RD - OLD CHURCH RD TO HUMANA HOSPITAL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	229
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

FILE NAME: N:\2019\3 CH\118-03-5500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CAD\62N97 Sheet Temporary Interconnect Schematic.dgn

Sam Schwartz

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USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

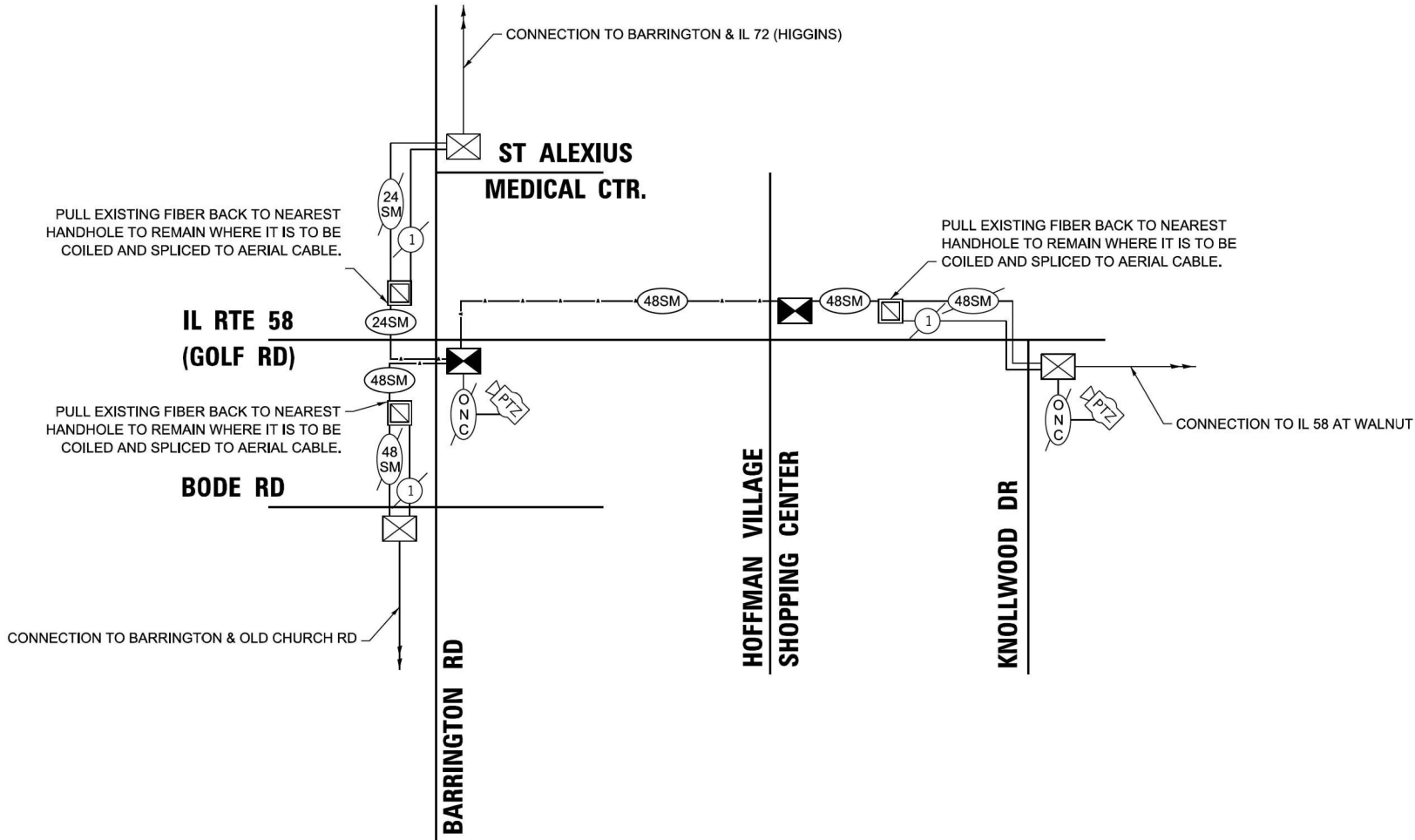
TEMPORARY INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES  
IL 58 (GOLF RD) – BARRINGTON RD TO KNOLLWOOD LN  
BARRINGTON RD – OLD CHURCH RD TO HUMANA HOSPITAL

SCALE: NTS    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	230
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

NOTES:

1. THE CONTRACTOR SHALL STAGE WORK TO MAINTAIN THE INTERCONNECT AT ALL TIMES. IDOT WILL ALLOW A ONE-TIME 48-HOUR DISRUPTION FOR THE FINAL INSTALLATION. THE TEMPORARY TRAFFIC SIGNALS (INCLUDING AERIAL FIBER OPTIC CABLE) SHALL BE FIELD TESTED AND READY FOR TURN-ON BEFORE THE EXISTING FIBER OPTIC CABLE CAN BE DISCONNECTED FROM THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINETS AND PULLED BACK TO THE HANDHOLES WHERE IT IS TO BE SPLICED TO THE TEMPORARY AERIAL FIBER OPTIC CABLES.
2. AN AERIAL FIBER SYSTEM WILL BE REQUIRED FOR THE TEMPORARY INTERCONNECT. COST SHALL BE PAID FOR BY THE PAY ITEM "TEMPOPRARY TRAFFIC SIGNAL INSTALLATION"



FILE NAME: N:\2019\3 CH\118-03-5500 DOT PTB 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CAD\62N97 Sheet Proposed Interconnect Plan.dgn

**Sam Schwartz**

200 S. WACKER DR.  
SUITE 1400  
CHICAGO, IL 60606  
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

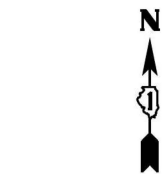
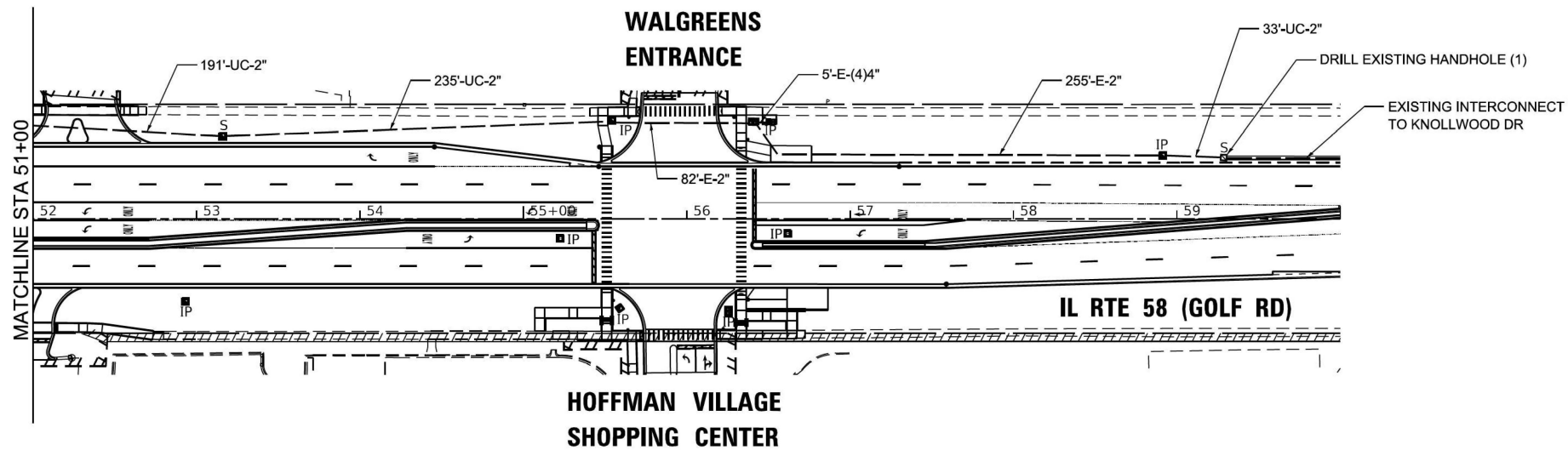
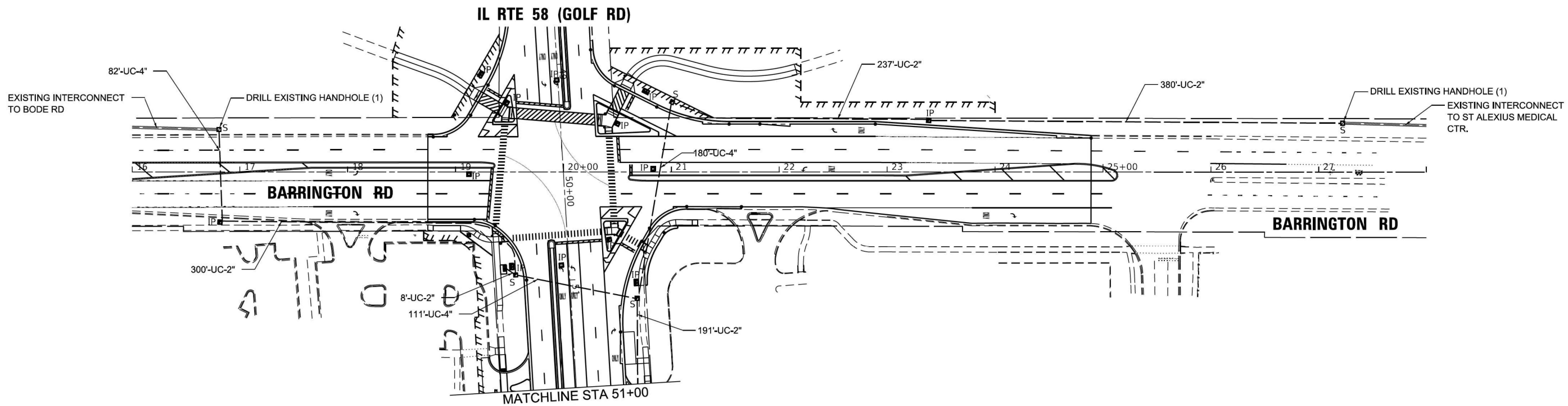
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

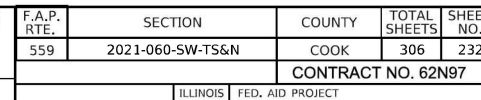
PROPOSED INTERCONNECT PLAN  
IL RTE 58 (GOLF RD) – BARRINGTON RD TO KNOLLWOOD LN  
BARRINGTON RD – OLD CHURCH RD TO HUMANA HOSPITAL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	231
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

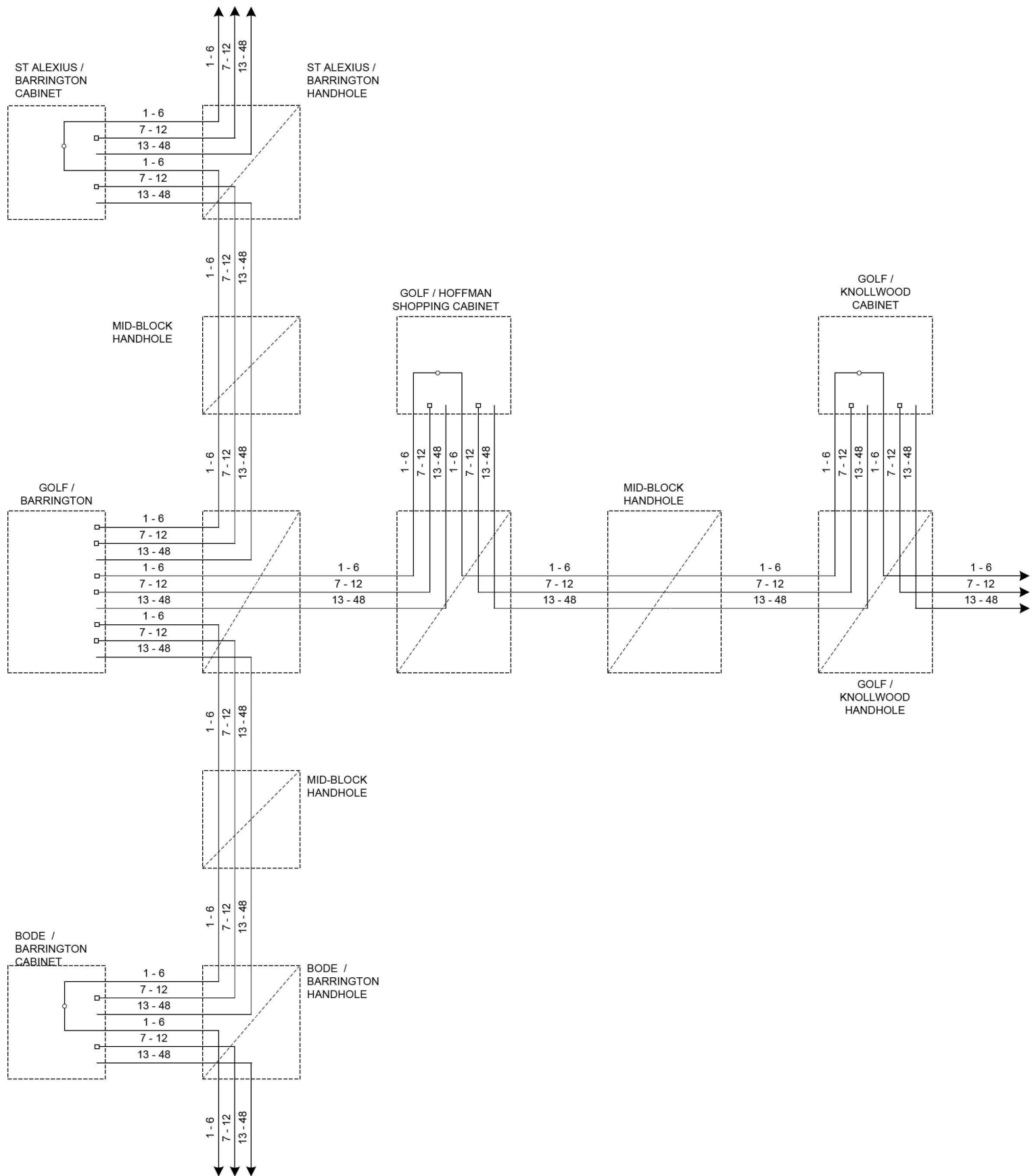
IDOT CENTRACS  
FORMER ECON 150





FILE NAME: M:\2019\3 CHU18\024500 IDOT P18 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet Proposed Interconnect Schematic.dgn

- EXISTING CONNECTOR / EXISTING FIBER
- NEW CONNECTOR / EXISTING FIBER
- EXISTING FUSION SPLICE / EXISTING FIBER
- NEW FUSION SPLICE / EXISTING FIBER
- NEW CONNECTOR / NEW FIBER
- NEW FUSION SPLICE / NEW FIBER



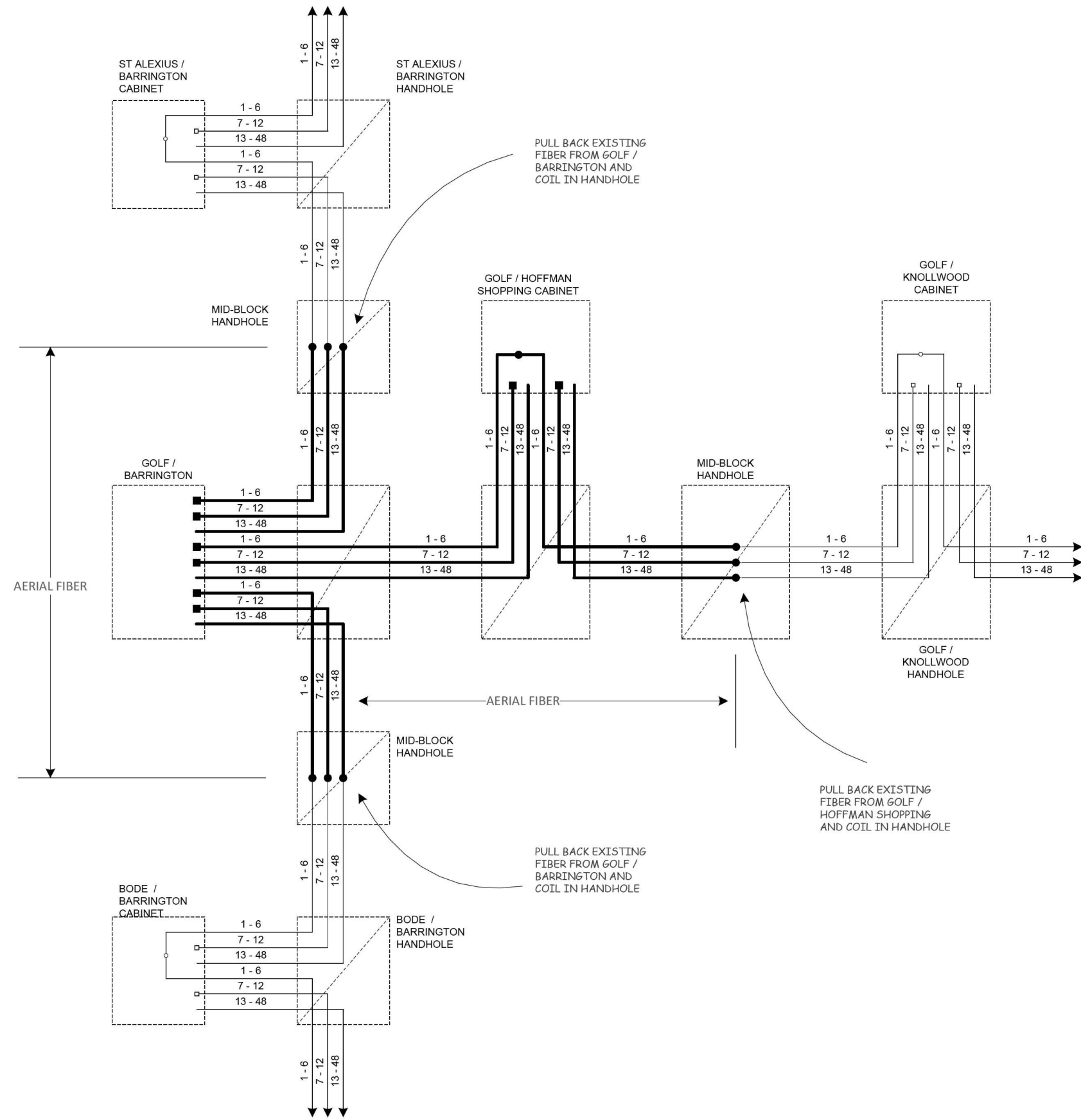
EXISTING

IDOT CENTRACS  
FORMER ECON 150

	USER NAME = erica.salutz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING FIBER SPlicing DIAGRAM SHEET IL 58 (GOLF RD) – BARRINGTON RD TO KNOLLWOOD LN BARRINGTON RD – OLD CHURCH RD TO HUMANA HOSPITAL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					559	2021-060-SW-TS&N	COOK	306	233
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 62N97				
	PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -					SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

FILE NAME: \\01013-CHULB-024500-IDD-PTB-190-VARIOUS TRAFFIC SIGNAL DESIGN\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet Proposed Interconnect Schematic.dgn

- EXISTING CONNECTOR / EXISTING FIBER
- NEW CONNECTOR / EXISTING FIBER
- EXISTING FUSION SPLICE / EXISTING FIBER
- NEW FUSION SPLICE / EXISTING FIBER
- NEW CONNECTOR / NEW FIBER
- NEW FUSION SPLICE / NEW FIBER



TEMP

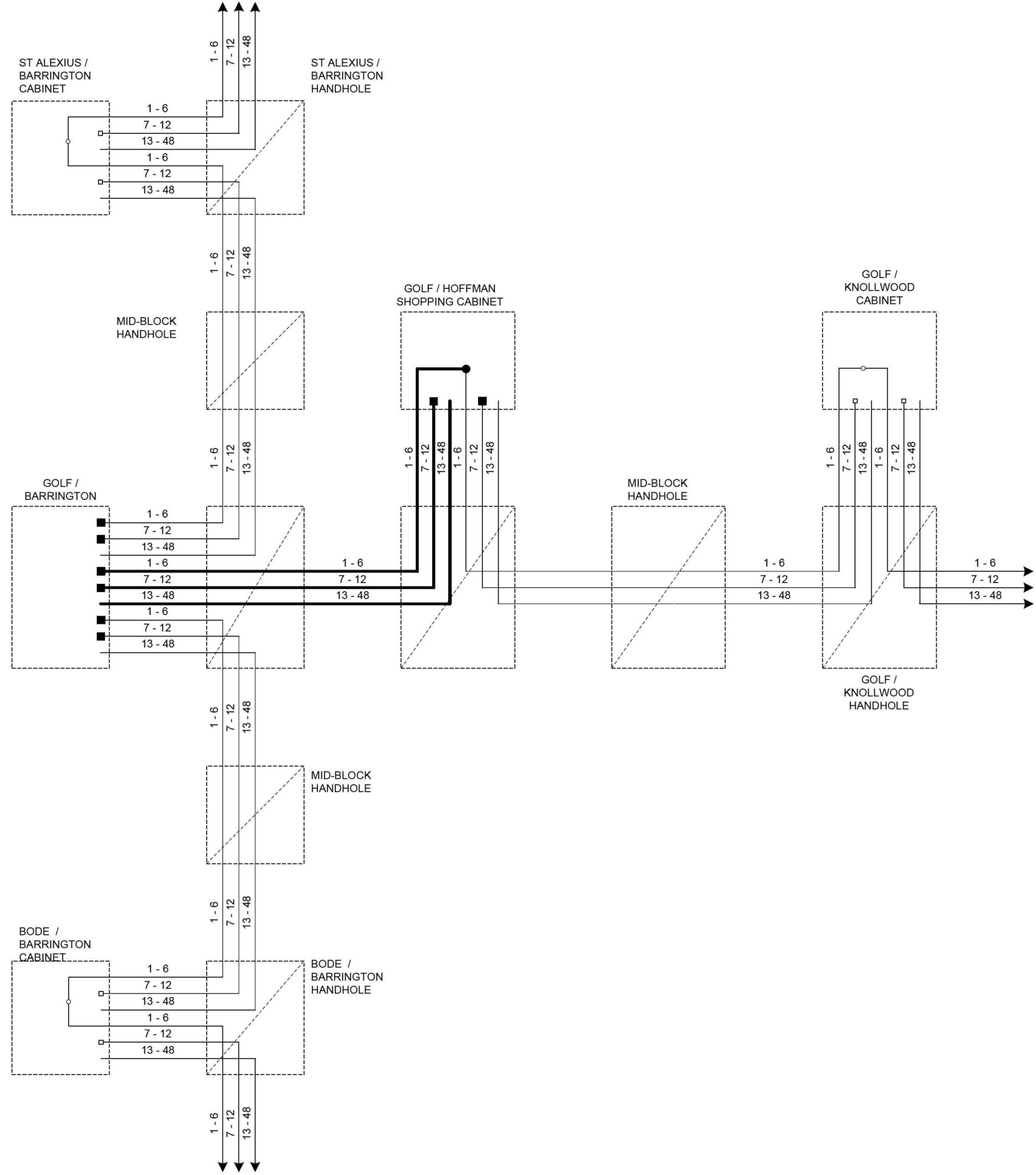
IDOT CENTRACS  
FORMER ECON 150

FILE NAME: M:\	USER NAME = erica.salutz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY FIBER SPLICING DIAGRAM SHEET IL 58 (GOLF RD) – BARRINGTON RD TO KNOLLWOOD LN BARRINGTON RD – OLD CHURCH RD TO HUMANA HSPITAL					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							559	2021-060-SW-TS&N	COOK	306	234
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 62N97				
	PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -											
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT		



FILE NAME: M:\2019\3 CHU18\024500 IDOT P18 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet Proposed Interconnect Schematic.dgn

- EXISTING CONNECTOR / EXISTING FIBER
- NEW CONNECTOR / EXISTING FIBER
- EXISTING FUSION SPLICE / EXISTING FIBER
- NEW FUSION SPLICE / EXISTING FIBER
- NEW CONNECTOR / NEW FIBER
- NEW FUSION SPLICE / NEW FIBER

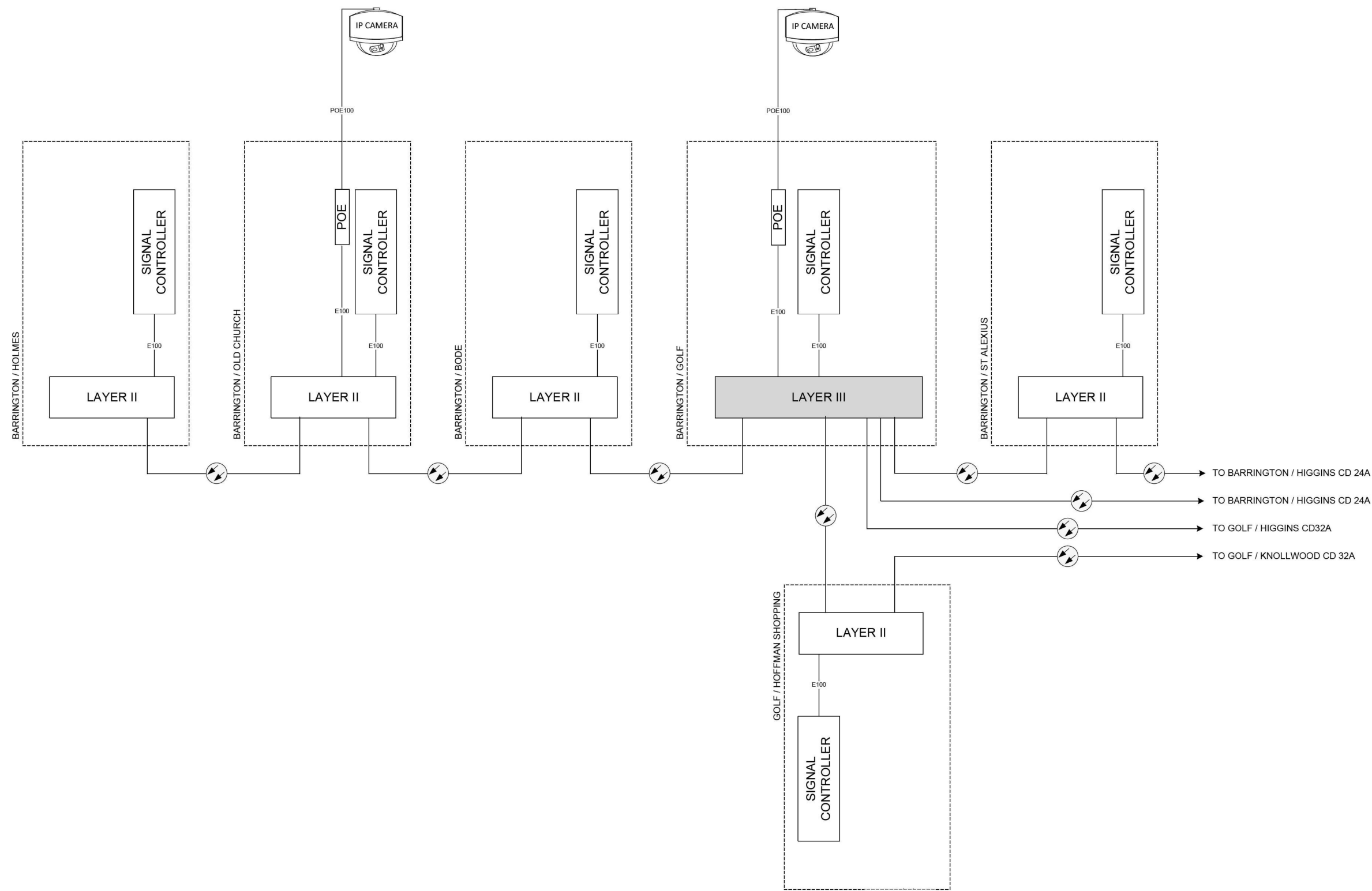


FINAL

IDOT CENTRACS  
FORMER ECON 150

	USER NAME = erica.salutz		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED FIBER SPLICING DIAGRAM SHEET IL 58 (GOLF RD) – BARRINGTON RD TO KNOLLWOOD LN BARRINGTON RD – OLD CHURCH RD TO HUMANA HOSPITAL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -					559	2021-060-SW-TS&N	COOK	306	235
	PLOT SCALE = 100.0000 ' / in.		DATE - 5/3/2024	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62N97				
	PLOT DATE = 5/3/2024								ILLINOIS FED. AID PROJECT				

FILE NAME: N:\2019\3 CHU18-02-500 DOT PTB 190 - Various Traffic Signal Design\Graphics\WO 2-2-20 - 62N97 - IL 58\CD\62N97 Sheet Proposed Interconnect Schematic.dgn

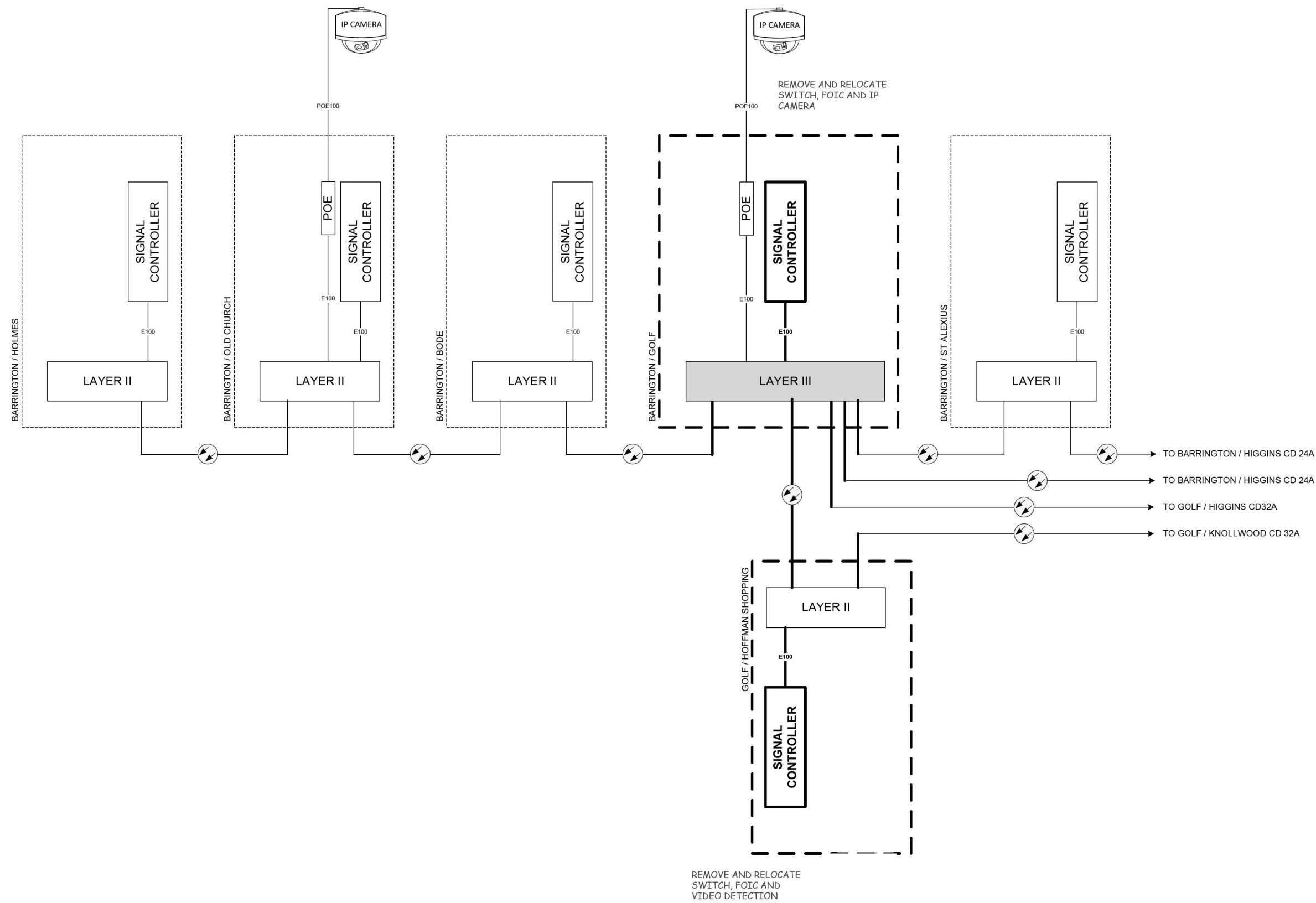


EXISTING

IDOT CENTRACS  
FORMER ECON 150

	USER NAME = erica.salutz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CABINET DETAIL SHEET IL 58 (GOLF RD) – BARRINGTON RD TO KNOLLWOOD LN BARRINGTON RD – OLD CHURCH RD TO HUMANA HOSPITAL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED -					559	2021-060-SW-TS&N	COOK	306	236			
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -		SCALE:			SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62N97	
	PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -								ILLINOIS			FED. AID PROJECT	

FILE NAME: N:\2019\3 CHU18\024500 IDOT PTB 190 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet Proposed Interconnect Schematic.dgn

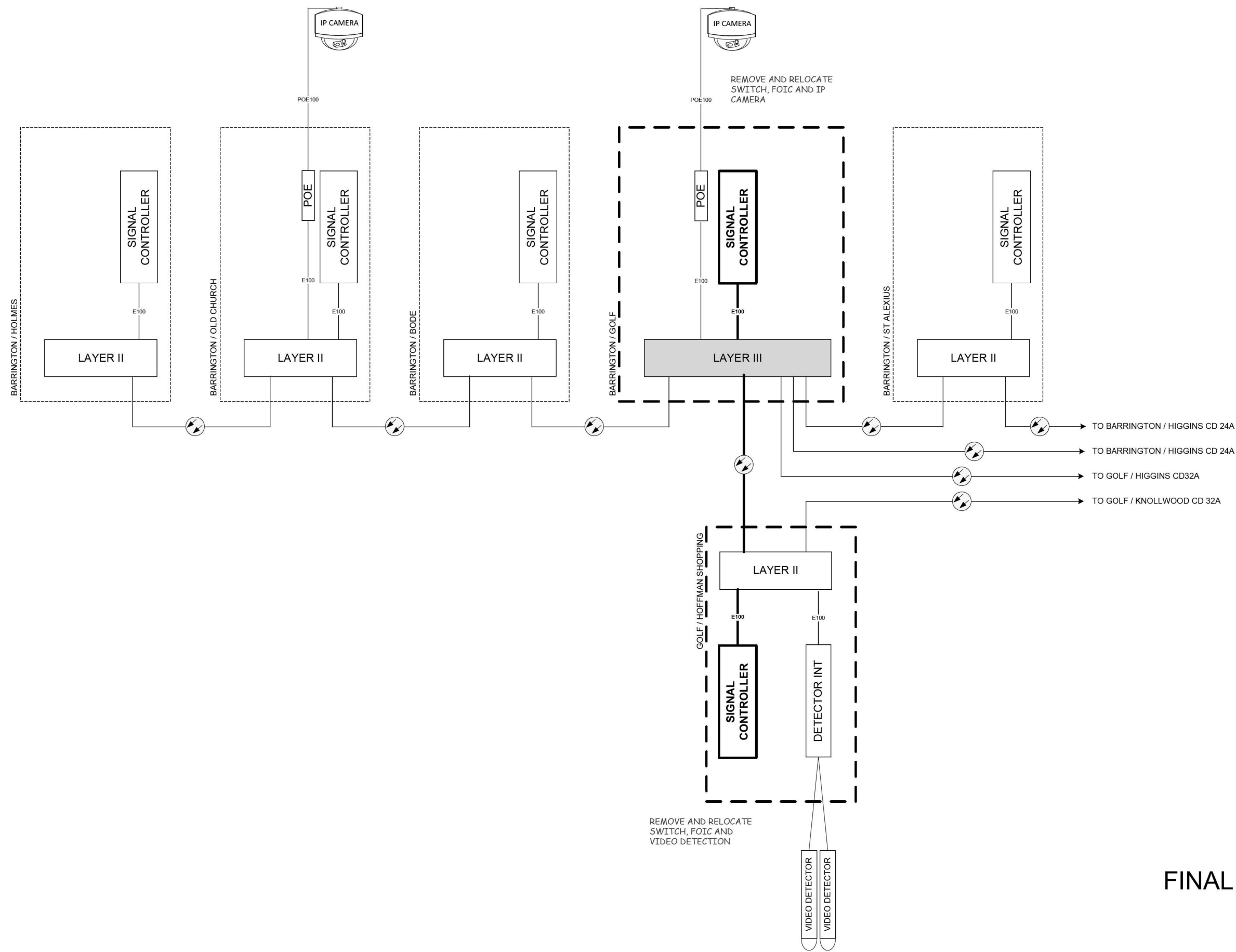


TEMP

IDOT CENTRACS  
FORMER ECON 150

FILE NAME: 062	USER NAME = erica.salutz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABINET DETAIL SHEET IL 58 (GOLF RD) – BARRINGTON RD TO KNOLLWOOD LN BARRINGTON RD – OLD CHURCH RD TO HUMANA HSPITAL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						559	2021-060-SW-TS&N	COOK	306	237
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 62N97				
	PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -		SCALE:				SHEET	OF	SHEETS	STA.	TO STA.
									ILLINOIS				

FILE NAME: M:\2019\3 CHULB\024500 IDOT P19 - Various Traffic Signal Design\Graphics\WO 22-020 - 62N97 - IL 58\CD\62N97 Sheet Proposed Interconnect Schematic.dgn



FINAL

IDOT CENTRACS  
FORMER ECON 150

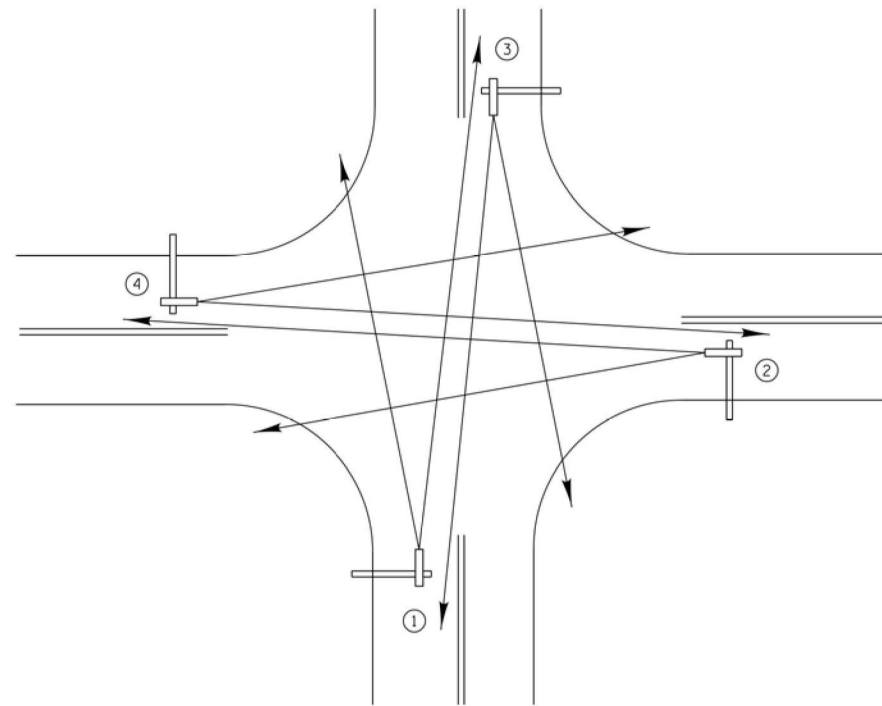
USER NAME = erica.salutz	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED CABINET DETAIL SHEET  
IL 58 (GOLF RD) - BARRINGTON RD TO KNOLLWOOD LN  
BARRINGTON RD - OLD CHURCH RD TO HUMANA HOSPITAL

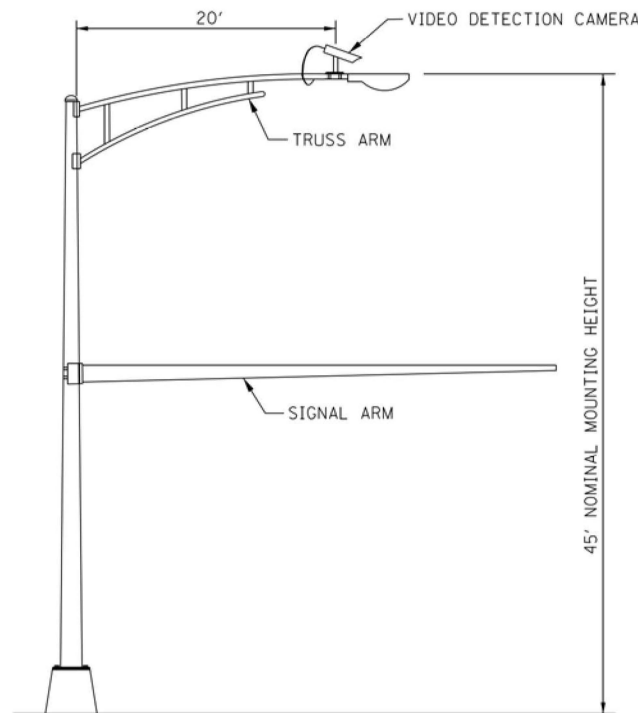
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	238
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

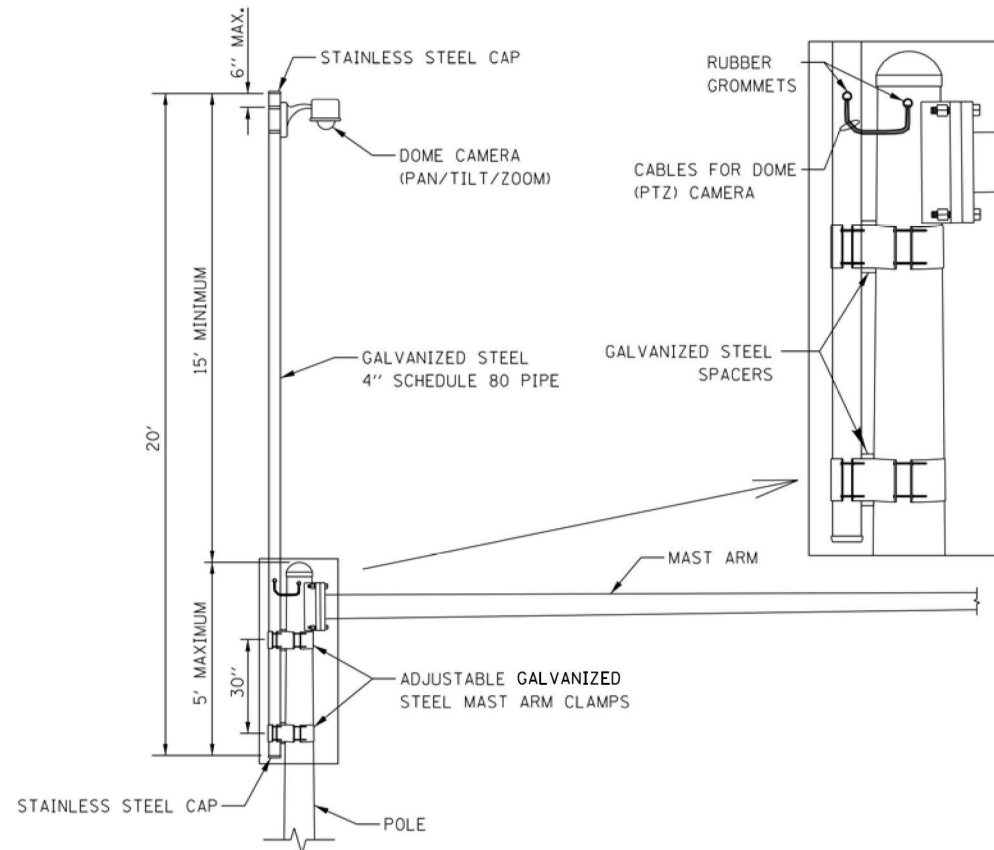


TYPICAL VIDEO VEHICLE  
DETECTION SYSTEM  
(NOT TO SCALE)

(4) VIDEO DETECTION CAMERA ASSEMBLIES AND BRACKETS ① ② ③ ④

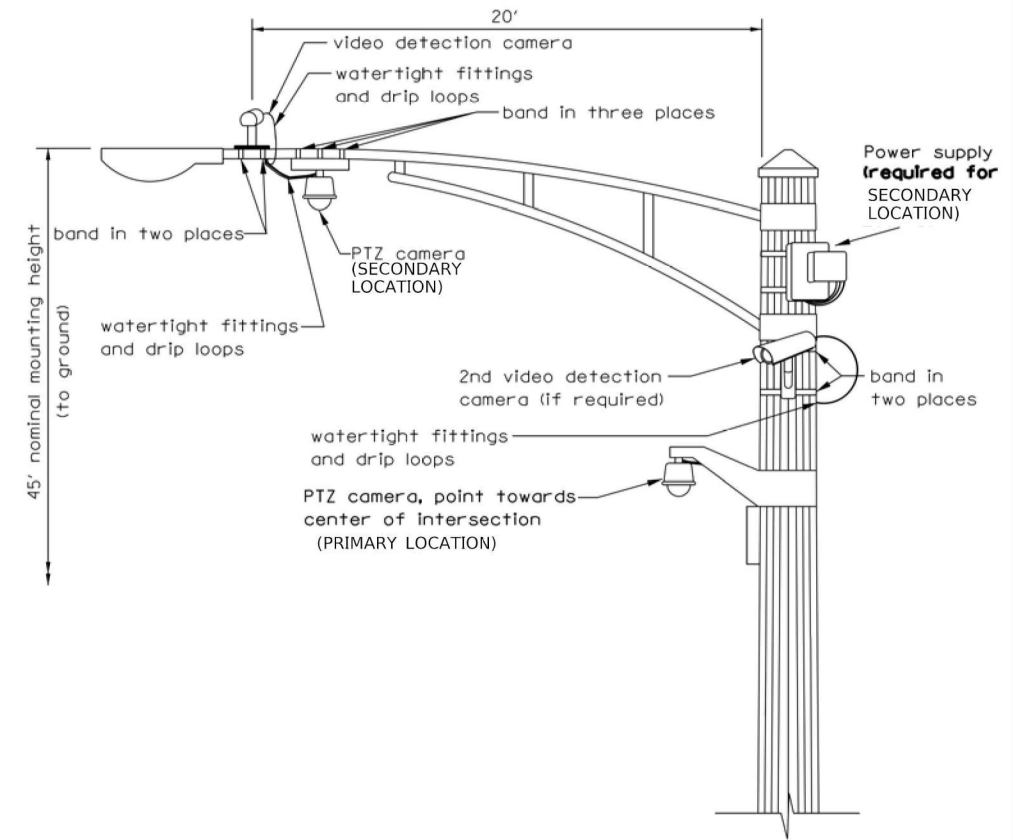


COMBINATION MAST ARM ASSEMBLY  
AND POLE DIMENSIONS  
(NOT TO SCALE)



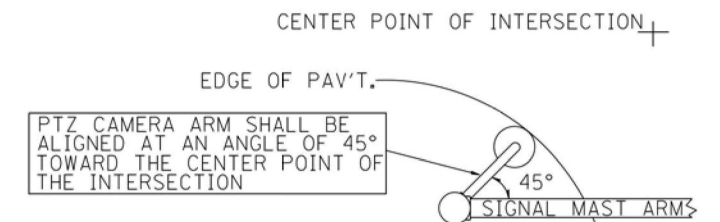
CAMERA MOUNTING ASSEMBLY DETAIL  
(NOT TO SCALE)

- NOTES:
- THE MAST ARM IS TAPERED.
  - INSTALL EXTENSION POLE VERTICAL AND PLUMB BY MODIFYING/INSTALLING BRACKETS AS NECESSARY. ADDITIONAL SPACERS REQUIRED ARE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY OF THE TYPE SPECIFIED.
  - SPACERS ARE TO BE INTEGRATED OR MANUFACTURED WITH THE MAST ARM BRACKETS



VIDEO DETECTION CAMERA(S) AND  
DOME (PTZ) CAMERA MOUNTING DETAIL  
(NOT TO SCALE)

- NOTES FOR SINGLE, DUAL AND MULTIPLE CAMERA MOUNTING:
- MOUNT LUMINAIRE MOUNTING BRACKET AS HIGH AS POSSIBLE.
  - MOUNT VIDEO DETECTION CAMERA AIMING DOWN TOWARD THE DIRECTION OF TRAFFIC TO BE DETECTED.



PTZ CAMERA MOUNTING DETAILS  
(SECONDARY LOCATION)  
(NO SCALE)

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - PETER WOJTKIEWICZ	REVISED -
PLOT DATE = 5/3/2024	DATE - 5/3/2024	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	239
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



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# BORING LOG SGB-03

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
 Project **FAU 559 (Illinois Route 58) at Barrington Road**  
 Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 821.00 ft  
North: 1959535.19 ft  
East: 1035157.70 ft  
Station: 46+34.83  
Offset: 48.05 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	820.5	6-inch thick, stiff, black SILTY CLAY LOAM; damp --TOPSOIL-- Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 2--			1	2 3 4 5	1.31 B	18									
					2	2 4 5 7	3.25 P	19									
			5		3	3 4 5 7	3.28 B	19									
	814.0	Very stiff, brown and gray SILTY LOAM to SILTY CLAY LOAM, trace gravel; damp --RDR 2--			4	3 6 9 12	2.87 B	15									
					5	3 6 11 10	2.79 B	12									
	811.0	Boring terminated at 10.00 ft	10														
	GENERAL NOTES										WATER LEVEL DATA						
Begin Drilling 03-09-2022 Complete Drilling 03-09-2022										While Drilling ▽ DRY							
Drilling Contractor Wang Testing Services Drill Rig 21GeoA[96%]										At Completion of Drilling ▼ DRY							
Driller AG&CB Logger M. Sadowski Checked by C. Marin										Time After Drilling NA							
Drilling Method 2.25" ID HSA; boring backfilled upon completion										Depth to Water ▼ NA							
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.																	

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# BORING LOG SGB-04

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
Project **FAU 559 (Illinois Route 58) at Barrington Road**  
Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 816.00 ft  
North: 1959559.08 ft  
East: 1035604.12 ft  
Station: 50+81.24  
Offset: 49.92 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <small>recovery</small>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <small>recovery</small>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	815.6	5-inch thick, medium stiff, black SILTY CLAY LOAM, little gravel; damp			1	2 2 4 6	0.50 P	52									
	813.8	--TOPSOIL-- Loose, brown SANDY GRAVEL; damp to moist															
		--FILL-- Stiff, brown SILTY CLAY, trace gravel; damp			2	7 5 4 4	1.75 P	20									
	812.5	--RDR 2-3-- --FILL-- Medium stiff to stiff, black SILTY CLAY to SILTY CLAY LOAM, trace organic matter; damp			3	2 2 3 3	0.74 B	31									
		--Buried TOPSOIL-- --RDR 2-- --L <sub>L</sub> (%)=48, P <sub>L</sub> (%)=23-- --%Gravel=0.5-- --%Sand=8.9-- --%Silt=63.7-- --%Clay=27.0-- --A-7-6 (25)--			4	2 3 5 7	1.89 B	33									
	808.3	Very stiff, gray and brown SILTY CLAY; damp			5	3 3 3 4	2.05 B	29									
	806.0	--RDR 2-- Boring terminated at 10.00 ft	10														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-10-2022	Complete Drilling	03-10-2022	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	21GeoA[96%]	At Completion of Drilling	▼	DRY	
Driller	AG&CB	Logger	M. Sadowski	Time After Drilling	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

WANGENGING 55516111 GPJ WANGENG GDT 3/30/22


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# BORING LOG SGB-01

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
Project **FAU 559 (Illinois Route 58) at Barrington Road**  
Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 812.50 ft  
North: 1959541.86 ft  
East: 1034556.76 ft  
Station: 40+35.58  
Offset: 23.38 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)		
	811.8	Medium dense, brown SANDY GRAVEL; damp			1	4 6 5 5	> 4.50 P	13											
		--FILL-- Hard, brown and gray CLAY LOAM, trace gravel; dry to damp			2	4 4 9 12	4.50 P	12											
		--FILL-- --RDR 2--			3	4 4 4 4	3.36 B	18											
					4	6 7 9 10	4.35 B	16											
					5	3 5 7 10	4.43 B	14											
	808.8	Very stiff rto hard, brown SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp																	
		--RDR 2--	5																
		802.5	Boring terminated at 10.00 ft	10															
			15																

GENERAL NOTES

Begin Drilling 03-10-2022 Complete Drilling 03-10-2022

Drilling Contractor Wang Testing Services Drill Rig 21GeoA[96%]

Driller AG&CB Logger M. Sadowski Checked by C. Marin

Drilling Method 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling ▽ DRY

At Completion of Drilling ▼ DRY

Time After Drilling NA

Depth to Water ▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG SGB-02

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
 Project **FAU 559 (Illinois Route 58) at Barrington Road**  
 Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 824.00 ft  
North: 1959528.91 ft  
East: 1034855.45 ft  
Station: 43+33.37  
Offset: 42.62 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <i>recovery</i>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <i>recovery</i>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	823.1	11-inch thick, very stiff, black SILTY CLAY LOAM; damp --TOPSOIL--			1	2 3 3 5	2.00 P	30									
		Stiff to very stiff, brown SILTY CLAY LOAM to CLAY LOAM, trace gravel; damp --RDR 2-- --L <sub>L</sub> (%)=33, P <sub>L</sub> (%)=17-- --%Gravel=6.8-- --%Sand=19.9-- --%Silt=48.8-- --%Clay=24.5-- --A-6 (10)--			2	2 2 3 5	1.07 B	21									
	820.1	Very stiff, brown SILTY CLAY to SILTY CLAY LOAM; damp --RDR 2--	5		3	3 3 4 6	2.93 B	15									
					4	6 6 11 13	3.69 B	14									
	816.0	Stiff, brown SILTY LOAM, little gravel; damp --RDR 2--			5	4 7 12 10	1.64 B	12									
	814.5	Brown SANDY LOAM, little gravel; moist	10														
	814.0	Boring terminated at 10.00 ft															

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-10-2022	Complete Drilling	03-10-2022	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	21GeoA[96%]	At Completion of Drilling	▼	DRY	
Driller	AG&CB	Logger	M. Sadowski	Time After Drilling	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

WANGENG INC. 5551611.GPJ WANGENG GDT 3/30/22

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# BORING LOG SGB-05


**WEI Job No.: 555-16-11**

Client **IDOT D1**

Project **FAU 559 (Illinois Route 58) at Barrington Road**

Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 811.50 ft  
North: 1959582.82 ft  
East: 1035888.85 ft  
Station: 53+66.89  
Offset: 43.61 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <small>recovery</small>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <small>recovery</small>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	
	811.33	11.33-inch thick, soft, black SILTY CLAY LOAM; damp --TOPSOIL-- Stiff and hard, brown to gray CLAY LOAM to SILTY CLAY LOAM, trace gravel; damp --RDR 2--			1	2 2 4 5	2.71 B	16										
					2	3 5 7 10	6.23 B	14										
					3	3 3 5 6	2.79 B	14										
			--gray--		4	4 5 6 10	2.79 B	16										
	803.5	--moist to wet, sand seems--			5	5 7 11 13	1.23 B	17										
		Boring terminated at 10.00 ft																
	GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling 03-11-2022 Complete Drilling 03-11-2022									While Drilling ▽ DRY									
Drilling Contractor Wang Testing Services Drill Rig 21GeoA[96%]									At Completion of Drilling ▼ DRY									
Driller AG&CB Logger M. Sadowski Checked by C. Marin									Time After Drilling NA									
Drilling Method 2.25" ID HSA; boring backfilled upon completion									Depth to Water ▼ NA									
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.																		

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# BORING LOG SGB-06

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
 Project **FAU 559 (Illinois Route 58) at Barrington Road**  
 Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 809.50 ft  
North: 1959601.89 ft  
East: 1036197.74 ft  
Station: 56+76.35  
Offset: 43.42 RT

[illegible]

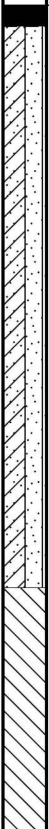
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Lombard, IL 60148  
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Fax: (630) 953-9938

# BORING LOG SGB-07

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
Project **FAU 559 (Illinois Route 58) at Barrington Road**  
Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 806.50 ft  
North: 1959617.92 ft  
East: 1036495.14 ft  
Station: 59+74.19  
Offset: 45.59 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <i>recovery</i>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <i>recovery</i>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	806.33	33-inch thick, very soft, black SILTY CLAY LOAM; damp --TOPSOIL-- Very loose to loose, brown and black Gravelly LOAM to CLAY LOAM; damp to moist --FILL-- --RDR 2-- --L <sub>L</sub> (%)=23, P <sub>L</sub> (%)=17-- --%Gravel=24.2-- --%Sand=34.8-- --%Silt=32.4-- --%Clay=8.6-- --A-4 (0)--			1	2 1 2 3	< 0.25 P	26									
					2	3 4 3 4	0.25 P	16									
			5		3	1 1 2 1	0.25 P	15									
	799.5				4	6 6 8 10	0.75 P	12									
		Hard, gray CLAY to SILTY CLAY; damp --RDR 2--			5	5 5 7 15	5.17 B	21									
	796.5		10														
		Boring terminated at 10.00 ft															
	GENERAL NOTES										WATER LEVEL DATA						
Begin Drilling 03-11-2022 Complete Drilling 03-11-2022										While Drilling ▽ DRY							
Drilling Contractor Wang Testing Services Drill Rig 21GeoA[96%]										At Completion of Drilling ▼ DRY							
Driller AG&CB Logger M. Sadowski Checked by C. Marin										Time After Drilling NA							
Drilling Method 2.25" ID HSA; boring backfilled upon completion										Depth to Water ▼ NA							
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.																	


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# BORING LOG SGB-08

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
 Project **FAU 559 (Illinois Route 58) at Barrington Road**  
 Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 820.50 ft  
North: 1959575.82 ft  
East: 1035056.39 ft  
Station: 45+35.57  
Offset: 2.92 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <small>recovery</small>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <small>recovery</small>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	819.9	7-inch thick, CONCRETE --PAVEMENT--															
	819.5	5-inch thick, GRAVEL; saturated --BASE COURSE--															
		Stiff to very stiff, brown and gray SILTY CLAY, trace gravel; damp --RDR 2--		1	2	2	2	2.30 B	18								
				2	4	3	4	7	3.28 B	17							
	5			3	10	11	9	7	NA	22							
		--wet spoon--		4	3	3	5	7	1.72 B	15							
				5	2	3	5	6	2.13 B	16							
	809.5	Boring terminated at 11.00 ft															
	GENERAL NOTES									WATER LEVEL DATA							
Begin Drilling 03-11-2022 Complete Drilling 03-11-2022									While Drilling ▽ 0.75 ft								
Drilling Contractor Wang Testing Services Drill Rig 21GeoA[96%]									At Completion of Drilling ▼ 9.00 ft								
Driller AG&CB Logger M. Sadowski Checked by C. Marin									Time After Drilling NA								
Drilling Method 2.25" ID HSA; boring backfilled upon completion									Depth to Water ▼ NA								
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.																	



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**BORING LOG SGB-09**

WEI Job No.: 555-16-11

Client **IDOT D1**  
Project **FAU 559 (Illinois Route 58) at Barrington Road**  
Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 813.00 ft  
North: 1959664.54 ft  
East: 1035895.92 ft  
Station: 53+78.94  
Offset: 37.53 LT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	812.6	5-inch thick, very stiff, black SILTY CLAY LOAM; damp --TOPSOIL--			1	4	3.25	23									
		Very stiff, brown SILTY CLAY LOAM to CLAY LOAM, little gravel; damp --FILL-- --RDR 2--			2	12	2.00	16									
	809.5	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; dry to damp --RDR 2--	5		3	3	2.62	16									
					4	12	4.50	16									
					5	5	4.10	14									
	803.0	Boring terminated at 10.00 ft	10														

**GENERAL NOTES**

Begin Drilling **03-10-2022** Complete Drilling **03-10-2022**  
Drilling Contractor **Wang Testing Services** Drill Rig **21GeoA[96%]**  
Driller **AG&CB** Logger **M. Sadowski** Checked by **C. Marin**  
Drilling Method **2.25" ID HSA; boring backfilled upon completion**

**WATER LEVEL DATA**

While Drilling **DRY**  
At Completion of Drilling **DRY**  
Time After Drilling **NA**  
Depth to Water **NA**  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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**BORING LOG SGB-10**

WEI Job No.: 555-16-11

Client **IDOT D1**  
Project **FAU 559 (Illinois Route 58) at Barrington Road**  
Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 802.50 ft  
North: 1960046.22 ft  
East: 1035481.93 ft  
Station: 24+42.27  
Offset: 37.72 LT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	802.3	3-inch thick, stiff, black SILTY CLAY LOAM; damp --TOPSOIL--			1	3	4.50	13									
	801.5	Hard, brown and black CLAY LOAM, little gravel; damp --FILL--			2	5	2.46	16									
	800.8	Brown SANDY GRAVEL; dry --FILL--			3	5	2.46	16									
	798.8	Very stiff, brown and black SILTY CLAY LOAM; damp --RDR 2--	5		4	7	NP	7									
		Medium dense, brown Gravelly SAND to SANDY LOAM; damp to moist --RDR 3--			5	4	NP	7									
		--rig chatter-- --possible cobbles--			6	7	NP	7									
	794.0	Very stiff, brown SILTY CLAY LOAM, trace gravel; damp --RDR 2-3--	10		7	4	2.46	16									
	792.5	Boring terminated at 10.00 ft															

**GENERAL NOTES**

Begin Drilling **03-09-2022** Complete Drilling **03-09-2022**  
Drilling Contractor **Wang Testing Services** Drill Rig **21GeoA[96%]**  
Driller **AG&CB** Logger **M. Sadowski** Checked by **C. Marin**  
Drilling Method **2.25" ID HSA; boring backfilled upon completion**

**WATER LEVEL DATA**

While Drilling **DRY**  
At Completion of Drilling **DRY**  
Time After Drilling **NA**  
Depth to Water **NA**  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 100,0000' / in.  
PLOT DATE = 4/25/2025

REVISD -  
REVISD -  
REVISD -  
REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 58 AT BARRINGTON RD  
SOIL BORINGS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
559 2021-060-SW-TS&N COOK 306 244  
CONTRACT NO. 62N97  
ILLINOIS FED. AID PROJECT



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# BORING LOG SGB-11

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
 Project **FAU 559 (Illinois Route 58) at Barrington Road**  
 Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 807.60 ft  
North: 1959904.91 ft  
East: 1035469.61 ft  
Station: 23+00.96  
Offset: 50.13 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <small>recovery</small>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <small>recovery</small>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	806.4	15-inch thick, stiff, black SILTY CLAY LOAM; damp --TOPSOIL--			1	2 2 4 5	1.00 P	29									
		Very stiff to hard, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 2-- --L <sub>L</sub> (%)=35, P <sub>L</sub> (%)=16-- --%Gravel=3.8-- --%Sand=10.1-- --%Silt=51.1-- --%Clay=35.0-- --A-6 (15)--			2	2 6 7 7	> 4.50 P	15									
			5		3	3 5 7 8	4.08 B	15									
					4	4 4 4 5	3.36 B	17									
					5	3 5 10 10	6.07 B	15									
	797.6	Boring terminated at 10.00 ft	10														
	GENERAL NOTES										WATER LEVEL DATA						
Begin Drilling 03-09-2022 Complete Drilling 03-09-2022										While Drilling ▽ DRY							
Drilling Contractor Wang Testing Services Drill Rig 21GeoA[96%]										At Completion of Drilling ▼ DRY							
Driller AG&CB Logger M. Sadowski Checked by C. Marin										Time After Drilling NA							
Drilling Method 2.25" ID HSA; boring backfilled upon completion										Depth to Water ▼ NA							
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.																	

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# BORING LOG SGB-12

**WEI Job No.: 555-16-11**

Client **IDOT D1**  
 Project **FAU 559 (Illinois Route 58) at Barrington Road**  
 Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 812.50 ft  
North: 1959776.65 ft  
East: 1035428.39 ft  
Station: 21+72.75  
Offset: 91.48 LT

[illegible]



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**WEI Job No.: 555-16-11**

Client **IDOT D1**

Project **FAU 559 (Illinois Route 58) at Barrington Road**

Location **Hoffman Estates, Cook County, IL**

Datum: NAVD 88  
Elevation: 821.00 ft  
North: 1959529.06 ft  
East: 1035464.86 ft  
Station: 49+40.39  
Offset: 71.37 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	820.1	11-inch thick, SILTY CLAY --TOPSOIL-- Stiff to hard, brown and gray to gray SILTY CLAY to SILTY CLAY LOAM, trace to little gravel; damp --RDR 2-- --L <sub>L</sub> (%)=30, P <sub>L</sub> (%)=16-- --%Gravel=7.1-- --%Sand=16.2-- --%Silt=53.0-- --%Clay=23.7-- --A-6 (9)--															
					1	2 4 4	4.50 P	18						9	3 3 4	3.03 B	18
					2	4 4 4	2.30 B	17				25		10	4 4 6	2.54 B	16
					3	2 4 7	3.03 B	17						11	5 6 8	2.00 P	18
					4	3 4 8	2.95 B	16						12	4 4 7	2.21 B	15
					5	2 4 5	2.46 B	16		791.0	Boring terminated at 30.00 ft	30					
					6	2 4 9	1.92 B	14				35					
					7	4 4 6	3.20 B	16									
					8	4 4 6	2.62 B	14				40					
GENERAL NOTES										WATER LEVEL DATA							
Begin Drilling 03-09-2022 Complete Drilling 03-09-2022										While Drilling  DRY							
Drilling Contractor Wang Testing Services Drill Rig 21GeoA[96%]										At Completion of Drilling  DRY							
Driller AG&CB Logger M. Sadowski Checked by C. Marin										Time After Drilling NA							
Drilling Method 2.25" ID HSA; boring backfilled upon completion										Depth to Water  NA							
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.																	

MODEL: Default  
FILE NAME: Z:\21035.01 IDOT D1 PTB 199-012 WO 1 IL 58 at Barrington\DGN\Design\Prelim\Plotsheets\162N97-sht-borings.dgn

**EFK♦Moen**  
**Civil Engineering Design**

USER NAME	= JBerggren
PLOT SCALE	= 100.0000' / in.
PLOT DATE	= 4/25/2025

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

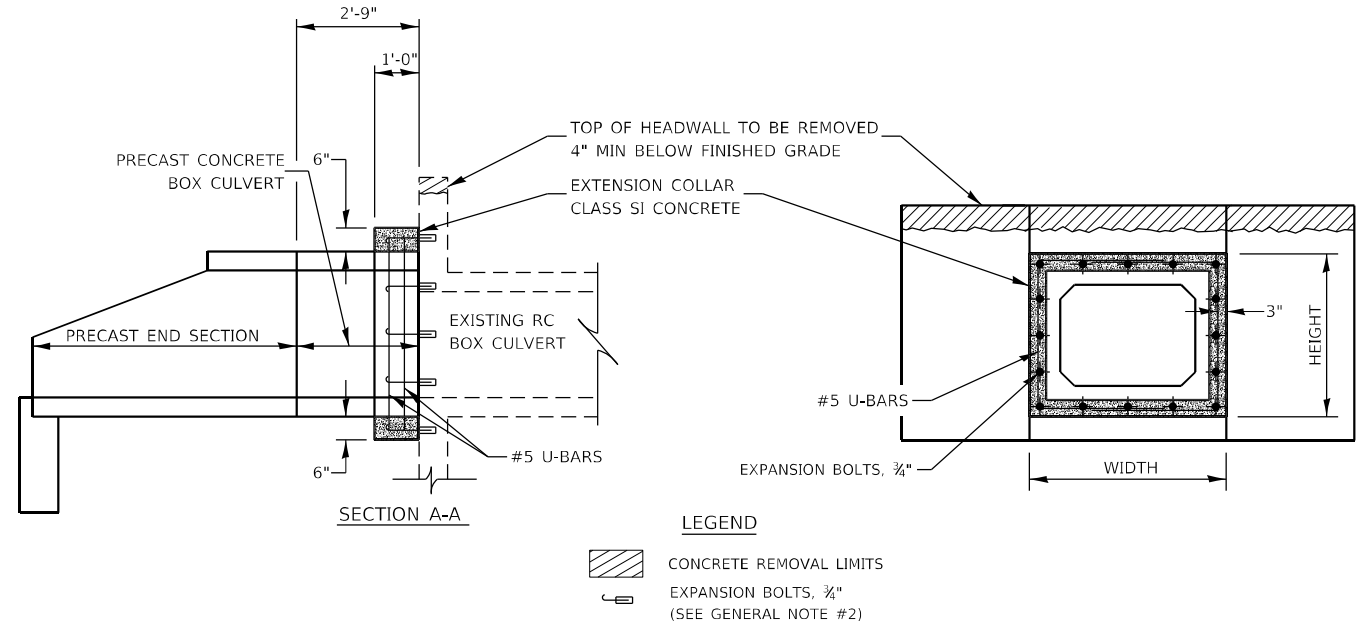
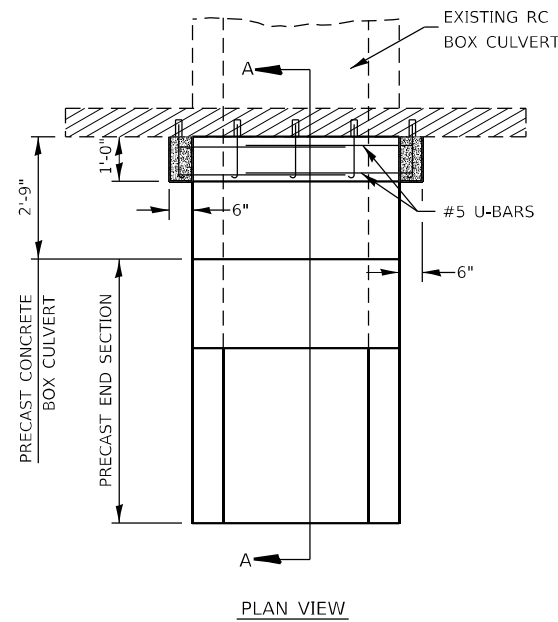
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 58 AT BARRINGTON RD**  
**SOIL BORINGS**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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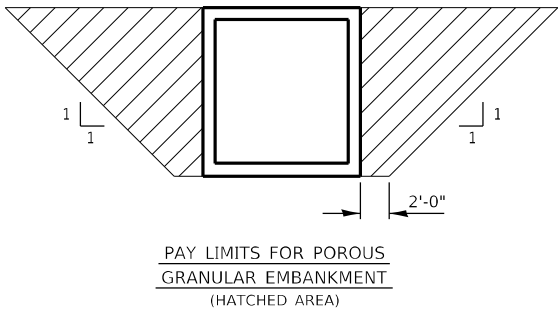
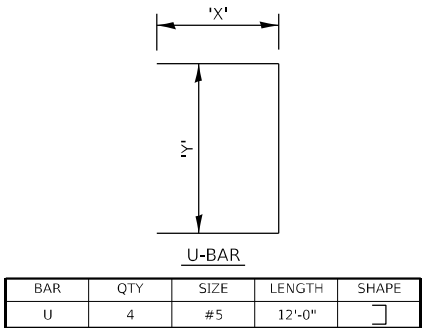
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	247
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		



- GENERAL NOTES**
- 1.) CLASS SI CONCRETE SHALL BE USED THROUGHOUT. THE INSIDE DIMENSIONS OF THE CLASS SI CONCRETE COLLAR SHALL BE THE SAME AS THE NEW PRECAST CONCRETE BOX CULVERT.
  - 2.) EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4" HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE. BOLTS SHALL BE PLACED IN EACH CORNER AND AT 18" MAXIMUM CENTERS. MINIMUM CERTIFIED PROOF LOADING = 4,080 LBS.
  - 3.) PRECAST CONCRETE BOX CULVERTS AND BOX CULVERT END SECTIONS SHALL BE BACKFILLED WITH POROUS GRANULAR EMBANKMENT IN THE REQUIRED EXCAVATION AREAS ON THE SIDES OF THE BOX CULVERT FROM THE TOP OF THE BOX CULVERT TO THE BOTTOM OF THE BOX CULVERT. THIS AREA OF PGE IS INCLUDED IN THE POROUS GRANULAR EMBANKMENT PAY ITEM. THE 6-INCH THICK LAYER OF POROUS GRANULAR MATERIAL REQUIRED UNDER THE PRECAST CONCRETE BOX CULVERT, ACCORDING TO SECTION 540.06 OF THE STANDARD SPECIFICATIONS, SHALL ALSO APPLY TO THE END SECTIONS. COST OF THIS POROUS GRANULAR MATERIAL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE OF THE WORK FOR WHICH IT IS REQUIRED.

LOCATION		EXISTING CULVERT SIZE	PROPOSED CULVERT SIZE	PRECAST CULV. EXTENSION	EXTENSION COLLAR				U-BAR		QUANTITIES ARE FOR ONE SIDE ONLY			
					H'		W'		X'		CONC COLLAR	REINFORCEMENT BARS	3/4" DIA EXPANSION BOLTS	CONCRETE REMOVAL
					IN	IN	IN	IN	IN	IN				
IL 58	36+40	4 x 2.5	4 x 3	33	70	58	46	52	0.4	51	16	0.2		

COLLAR DETAIL (PRECAST BOX CULVERT EXTENSION OF BOX CULVERT)



MODEL: Default  
FILE NAME: 2023-03-5,01 IDOT D1 PTE 199-013 WO 1 IL 58 at Barrington DGN\Design\Prelim\Plot\Feets\ID162M97-sh-culvert.dgn

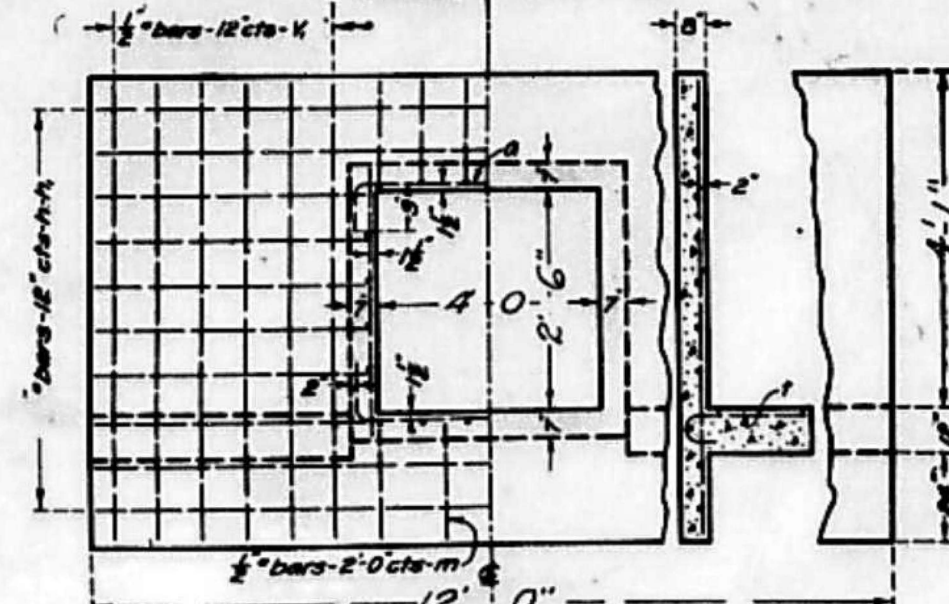
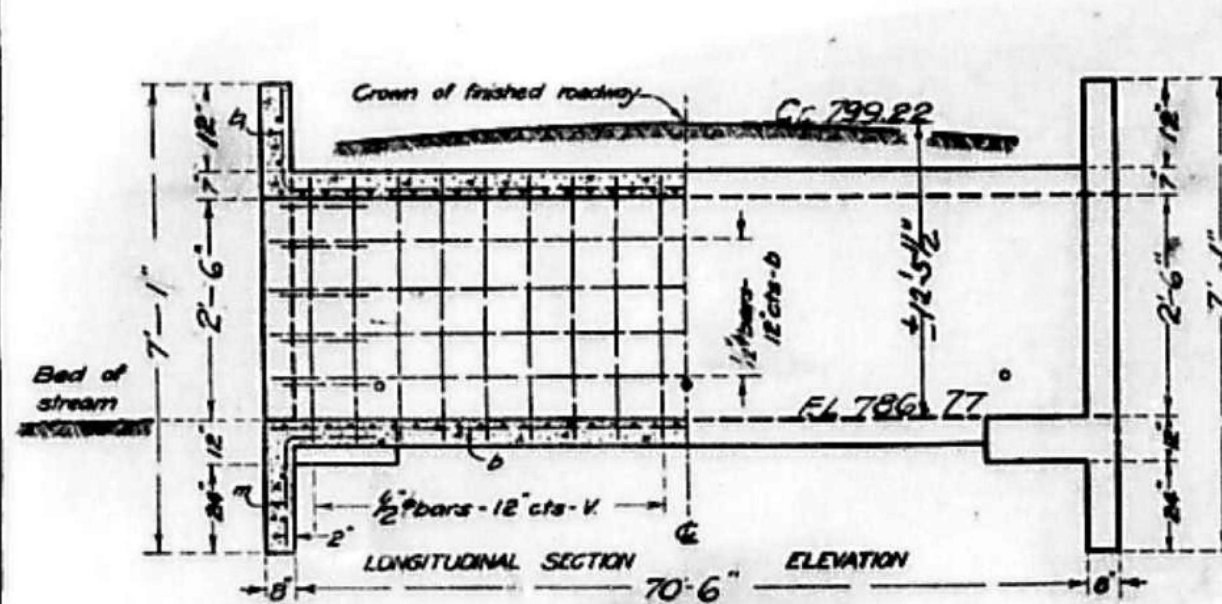




STATE OF ILLINOIS  
STATE HIGHWAY DEPARTMENT  
REINFORCED CONCRETE BOX CULVERT

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	ILL	151	1928	66	75

S.B.I. Rt. 58, Sec. 1581, A-581-B  
Cook Co.



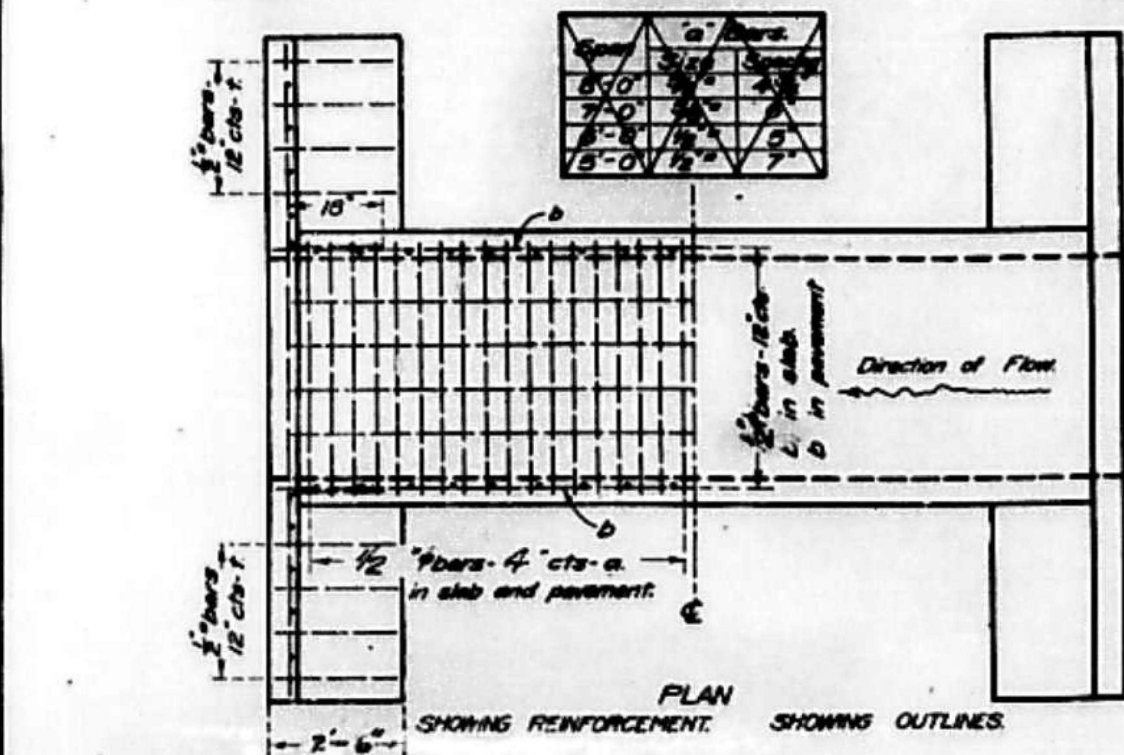
Note - Use 'm' bars in downstream headwall only.  
Box is designed for no fill.  
Maximum clearance - 7'-6"

BUILD TOPS OF HEAD-WALLS  
PARALLEL TO GRADE LINE.

BILL OF MATERIAL

Bars	No.	Size	Length
V	142	1/2"	3'-0"
V	16	1/2"	6'-6"
m	6	1/2"	11'-6"
m	16	1/2"	5'-6"
a	430	1/2"	6'-0"
b	40	1/2"	10'-6"
a	16	1/2"	19'-6"
r	16	1/2"	3'-0"
m	2	1/2"	5'-0"
Steel - Lbs.			3450
Concrete - Cu. Yds.			28.1

Class A concrete to be used throughout  
Proportions 1 - 2 1/4 - 4



DESIGNED	CHIEF ENGINEER
DRAWN	ENGINEER
CHECKED	ENGINEER
SPECIAL	ENGINEER

PASSED  
ENGINEER OF DESIGN  
DATE 4/25/2025

FOR INFORMATION ONLY

SPECIAL CULVERT DESIGN  
STATION 312+50  
S.B.I. ROUTE 58  
SECTION 1581 COOK COUNTY

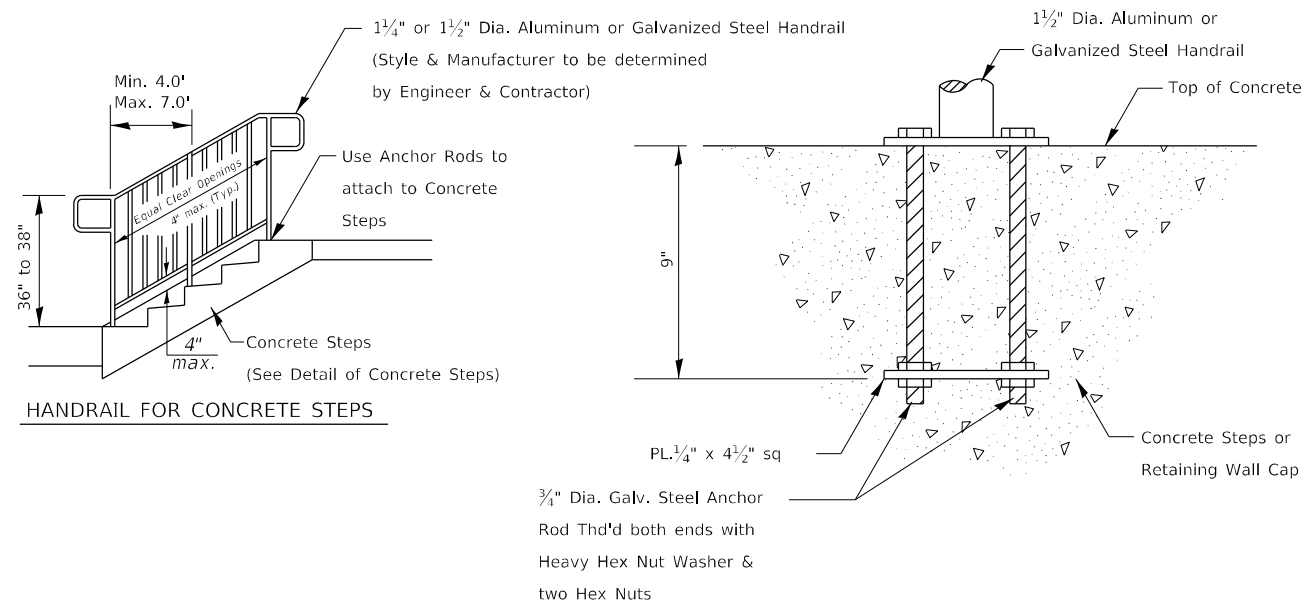
619

USER NAME = J.Berggren	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / 1"	DRAWN -	REVISED -
PLOT DATE = 4/25/2025	CHECKED -	REVISED -
	DATE -	REVISED -

IL 58 AT BARRINGTON RD	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
CULVERT DETAILS							

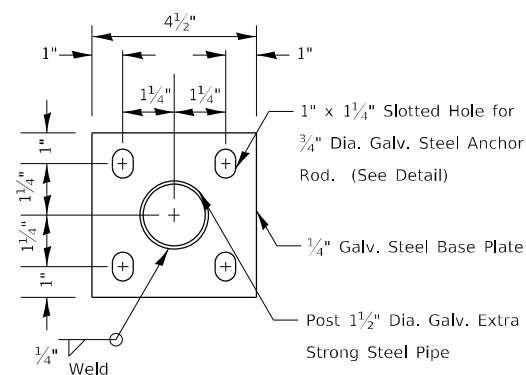
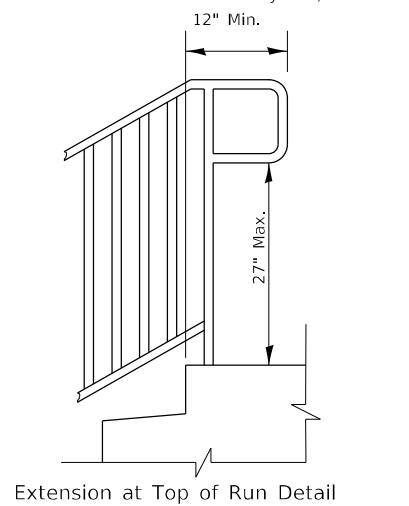
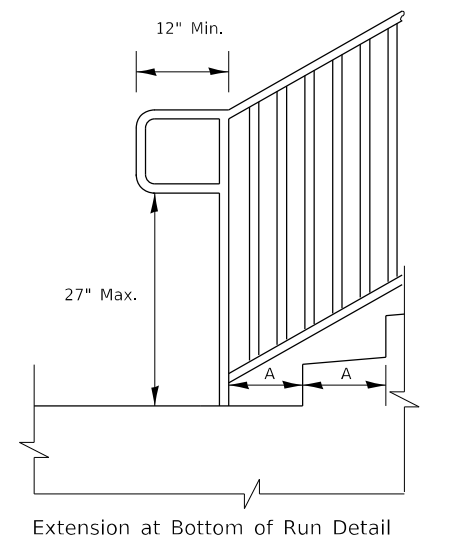
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	250
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

## PIPE HANDRAILS FOR STEPS



### ANCHOR ROD DETAIL

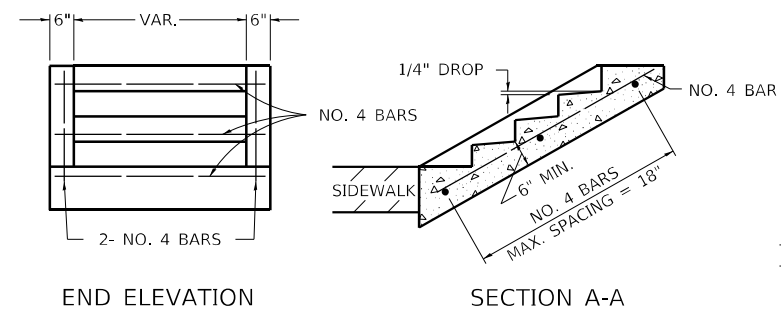
(Included in the cost of Hand or Safety Rail)



### POST BASE PLATE DETAIL

(Included in the cost of Hand or Safety Rail)

## DETAIL OF CONCRETE STEPS



## TABLE OF TREADS &amp; RISERS

SLOPE	TREAD	RISER
1:2	12"	6"
1:3	15"	5"
1:4	17"	4 1/4"

WHERE SLOPES FALL BETWEEN THOSE SHOWN IN THE TABLE ABOVE, THE STAIR RAIL SHOULD FIT THE SLOPE AND THE TREAD IN INCHES x THE RISER IN INCHES SHOULD BE BETWEEN 72 AND 78.

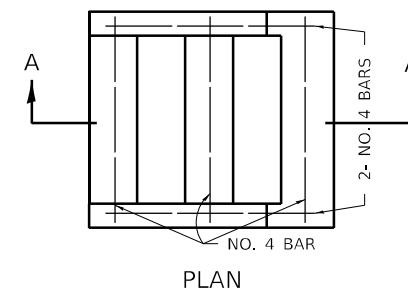
EXAMPLE:

FOR A 1:4 SLOPE USE  $y = \text{RISER HEIGHT}$   $4y^2 = 75$ .  
SOLVING  $y^2 = \frac{75}{4}$ ,  $y = 4.3"$  (USE 4 1/4" FOR CONVENIENCE.)

TREAD WOULD THEN BE  $4 \frac{1}{4}" \times 4 = 17"$

COST OF REINFORCEMENT BARS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LBS FOR REINFORCEMENT BARS.

CLASS SI CONCRETE SHALL BE USED THROUGHTOUT, WHICH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE STEPS



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

Notes:

Stairways shall have continuous handrails both sides of all stairs.

The inside handrail on switchback or dogleg stairs shall always be continuous.

Gripping surfaces shall be uninterrupted by newel posts, other construction elements, or obstructions.

Ends of handrail shall be either rounded or returned smoothly to floor, wall, or post.

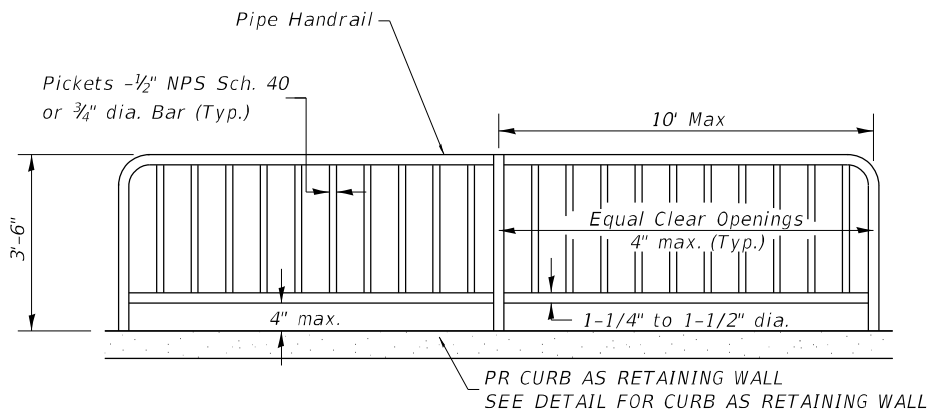
Hand & safety rails shall not rotate within their fittings.

The clear space between handrails and any wall shall be 1½"

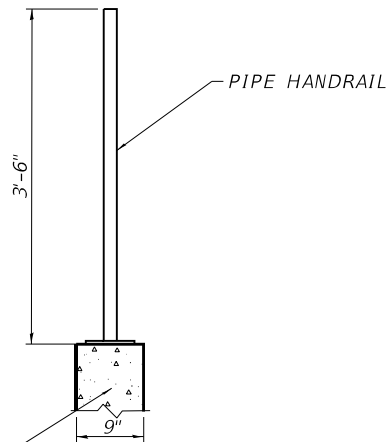
Handrail shall conform to Section 509 with the exception that all pipe and connections shall be welded galvanized or aluminum according to Article 1006.30, or 1006.34.

The diameter of the gripping surface of the handrail shall be 1-1/4" to 1-1/2"

This work shall be paid for at the contract unit price per  
FOOT for PIPE HANDBAIL.

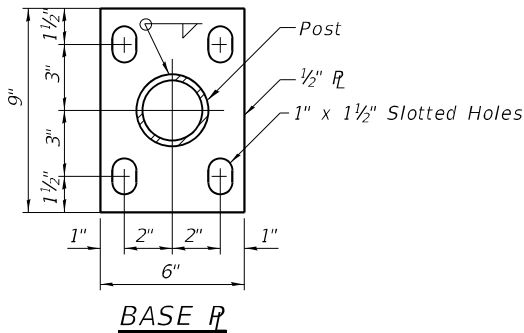


PIPE HANDRAIL



PR CURB AS RETAINING WALL  
SEE DETAIL FOR CURB AS RETAINING WALL

SECTION THRU CURB



BASE P

Notes:

Gripping surfaces shall be uninterrupted by construction elements, or obstructions.

Handrail shall not rotate within their fittings.

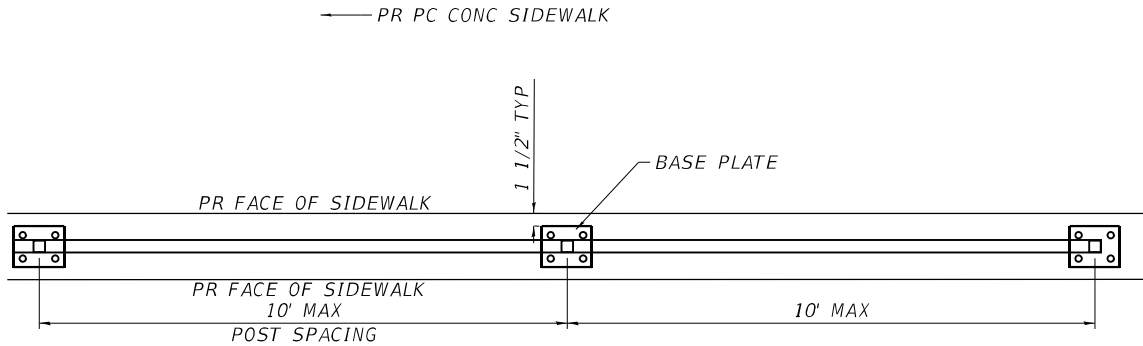
Handrail shall be ADA compliant and conform to Section 509 with the exception that all pipe and connections shall be welded galvanized or aluminum according to Article 1006.30, or 1006.34.

All vertical pickets shall be plumb.

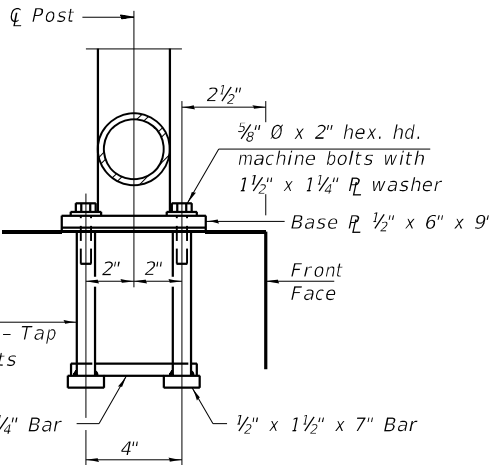
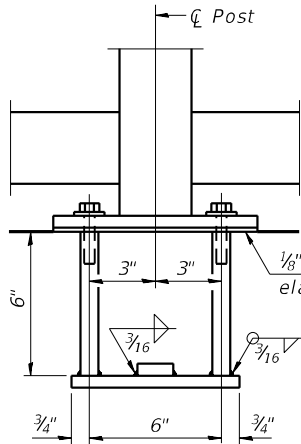
The diameter of the gripping surface of the handrail shall be 1-1/4" to 1-1/2"

Handrail required where shown on plans.

This work shall consist of furnishing and erecting Handrails, baseplate, anchor bolts and all other materials as listed above and according to this detail. This work shall be paid for at the contract UNIT price per FOOT for PIPE HANDRAIL.



PLAN



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

MODEL: Default  
FILE NAME: 2021-060-01 DOT D1 PTE 199-013 WO 1 IL 58 at Barrington DCN Design Prelim (Rt Fees) D162M07-rt-ADA-detail-PIPE Handrail.dgn

**EFK Moen**  
Civil Engineering Design

USER NAME = J.Berggren	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0/2 " = 1' in.	CHECKED -	REVISED -
PLOT DATE = 4/23/2025	DATE -	REVISED -

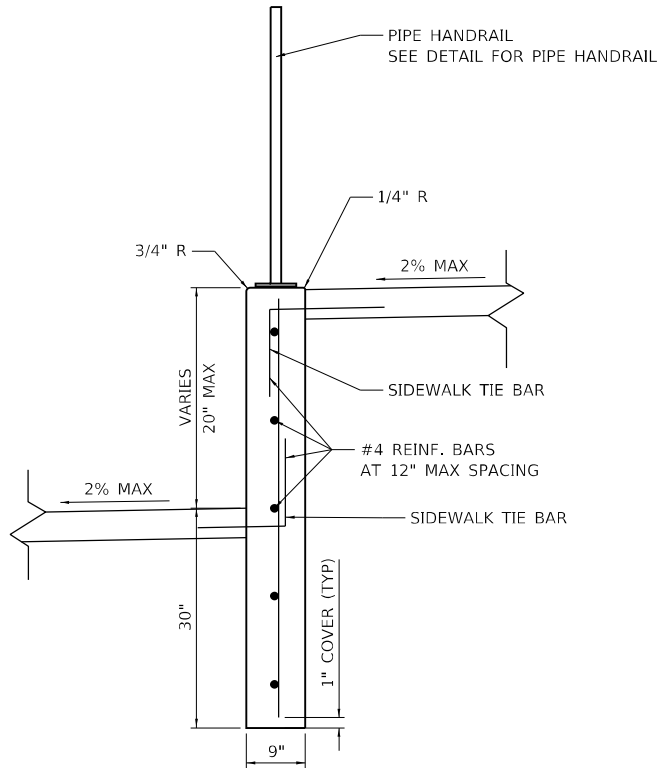
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58 AT BARRINGTON RD  
DETAIL - PIPE HANDRAIL

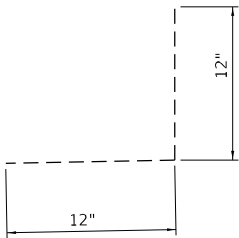
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TSGN	COOK	306	252
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

RETAINING WALL SCHEDULE				
			REINFORCEMENT BARS	CONC STR RETAIN WALL
LOCATION	STATION	CORNER	(POUND)	(CU YD)
IL 58	56+00	SE	251	3.5
TOTALS			251	3.5



DETAIL  
CURB AS RETAINING WALL



DETAIL  
SIDEWALK TIE BAR

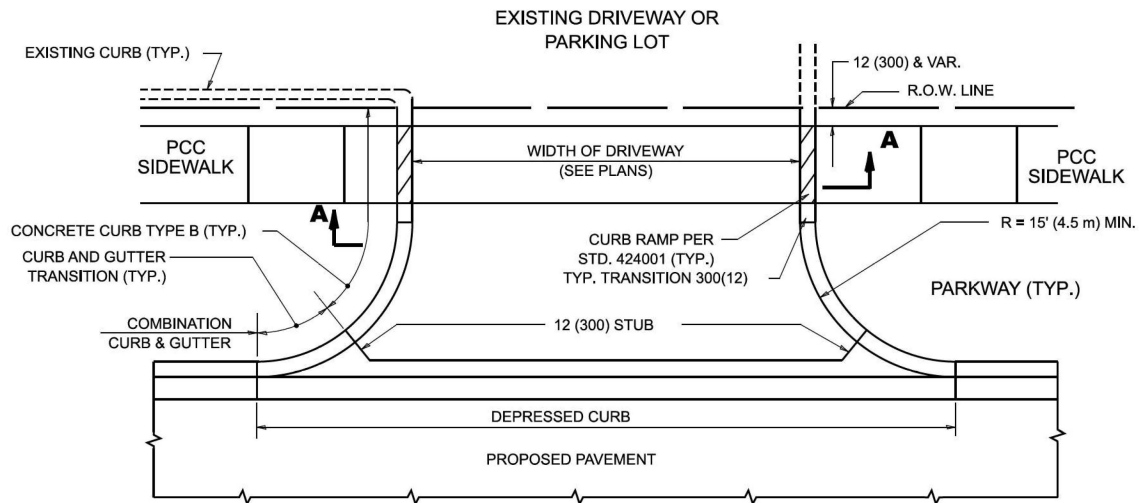
NOTE: PLACE BAR WITHIN LOWER  
1/3 OF SIDEWALK DEPTH

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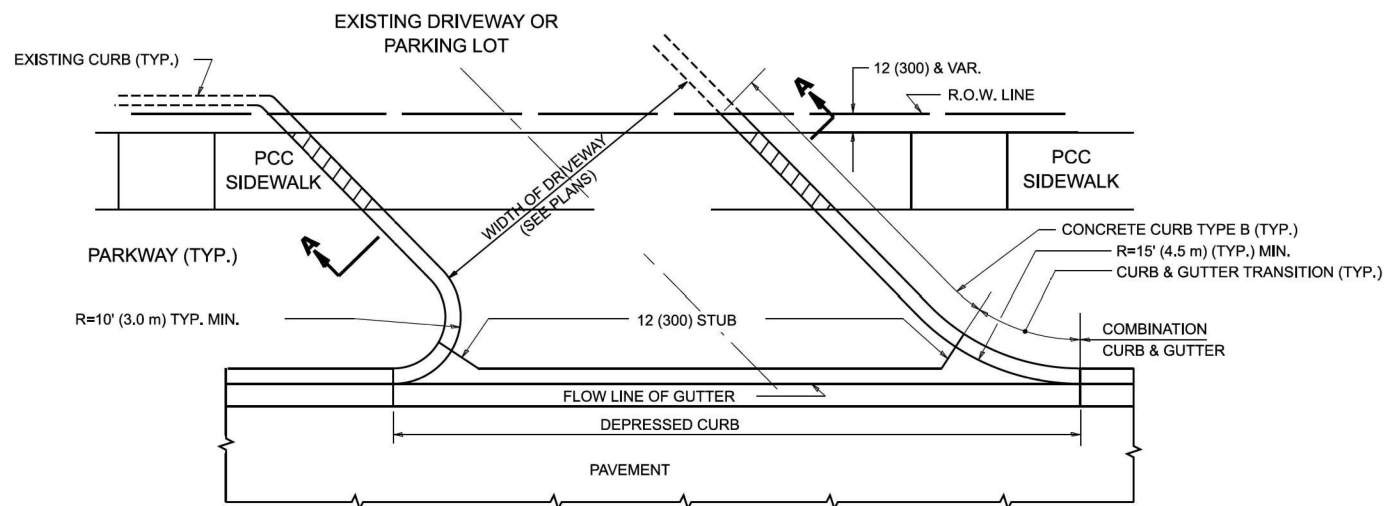
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 4/23/2025	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	253
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

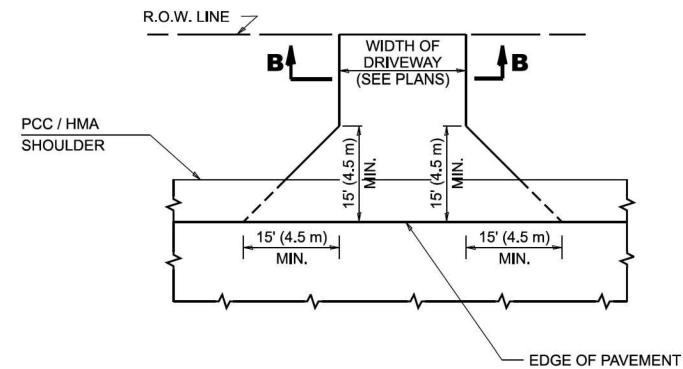
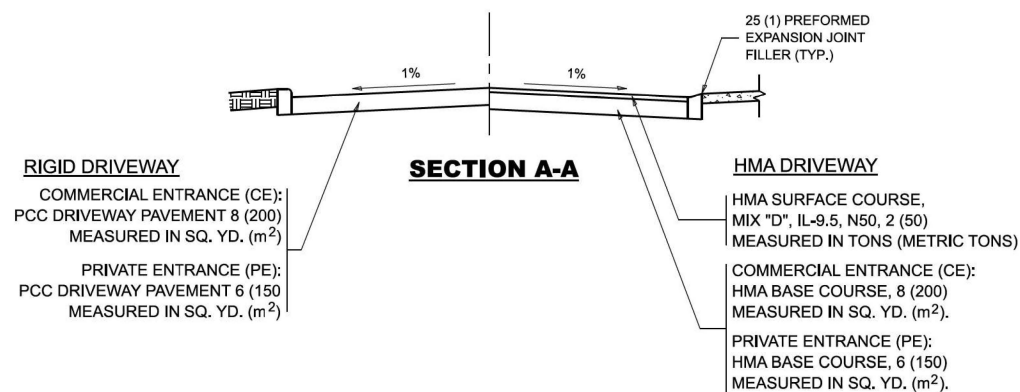
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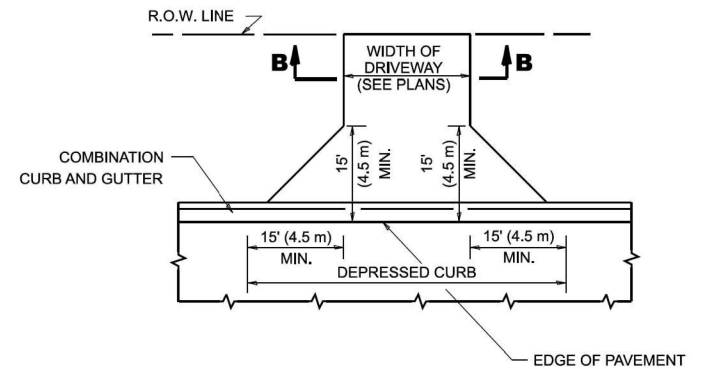
**WITH CONCRETE CURB, TYPE B**



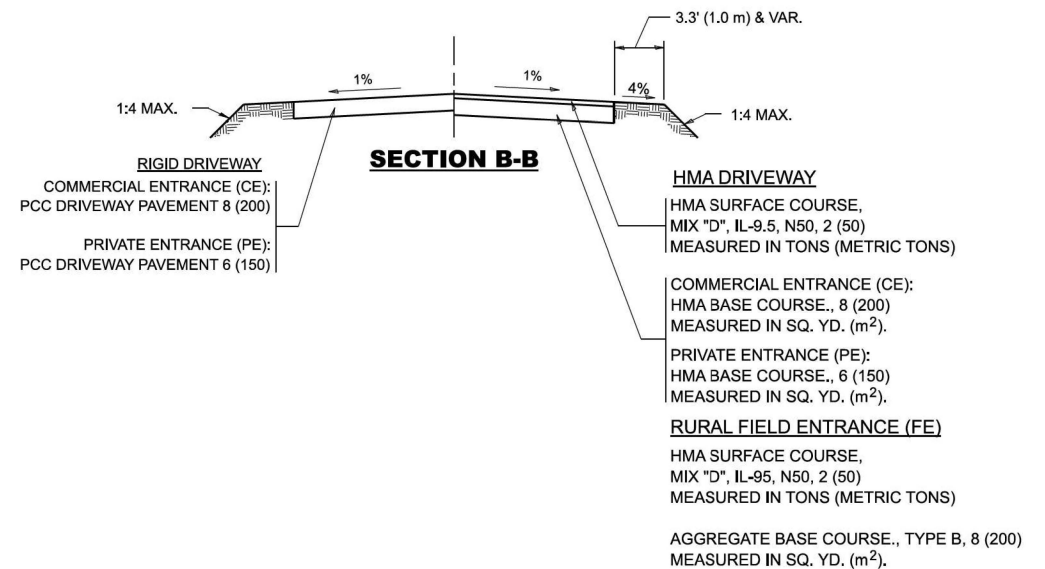
**WITH CONCRETE CURB, TYPE B**



**ADJACENT TO PCC / HMA SHOULDER**



**ADJACENT TO CURB AND GUTTER**



### GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE NOTED.

USER NAME = eric.l.thomas	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 0.08333317' / in.	CHECKED -	REVISED - K. SMITH 08-28-19
PLOT DATE = 8/30/2023	DATE - 11-04-95	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.  
AND FACE OF CURB & EDGE OF SHOULDER >15'(4.5m)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	206
BD400-01 (BD-01)		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		





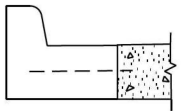
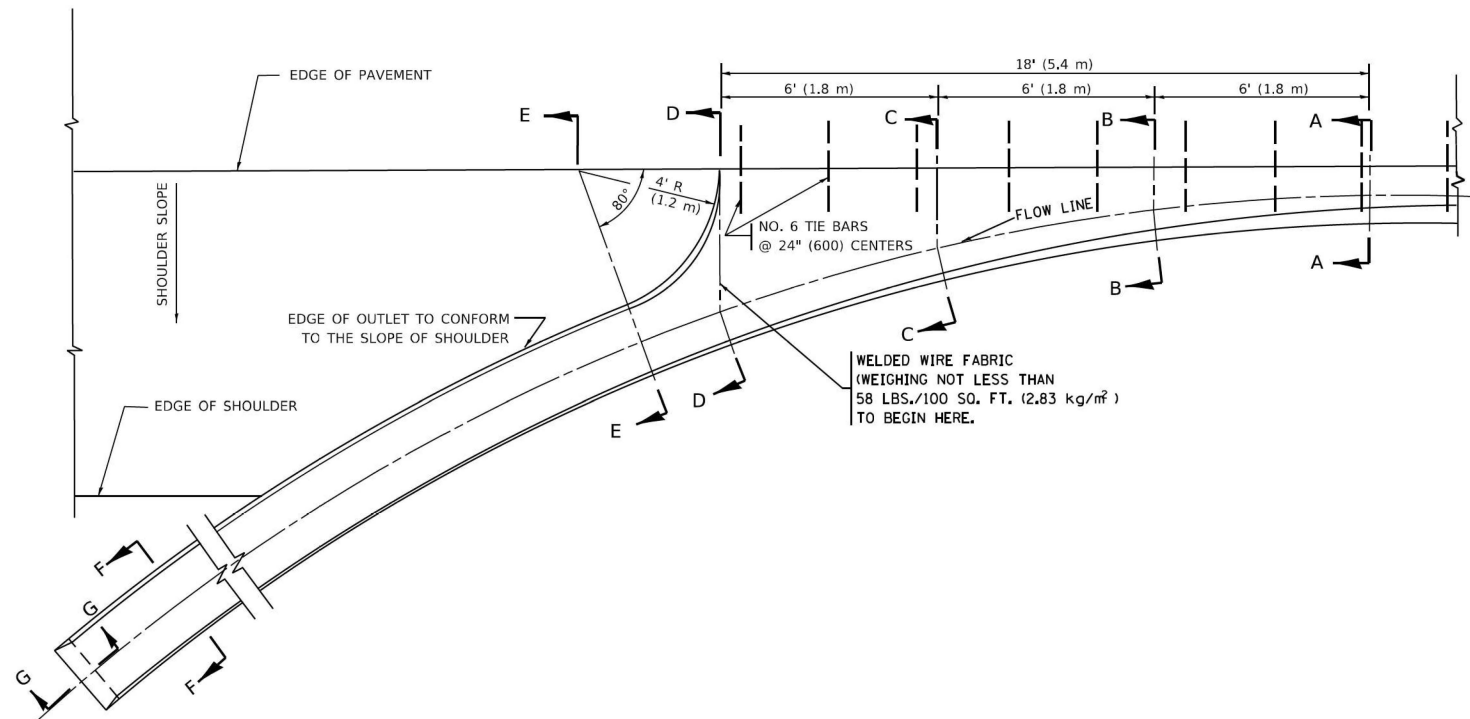
1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L). FROM 6' (1.8 m) TO 10' (3 m).

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS**  
**DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)**

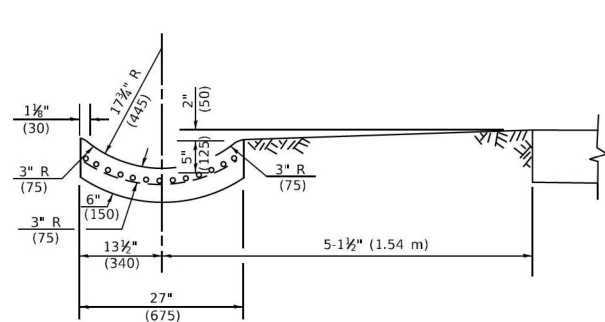
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<b>BD400-02 (BD-02)</b>		CONTRACT NO. 62N97		
	ILLINOIS	FED. AID PROJECT		

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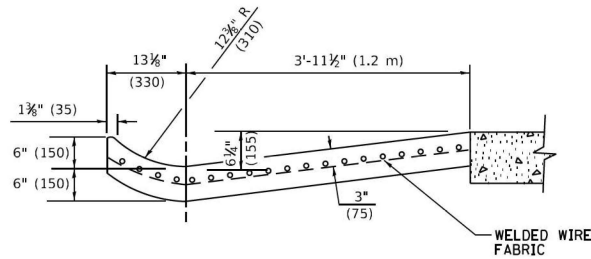


SECTION A-A \*

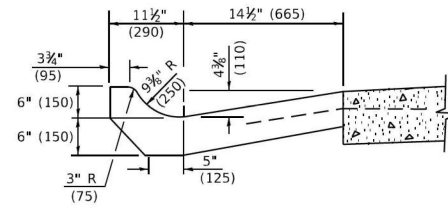
\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



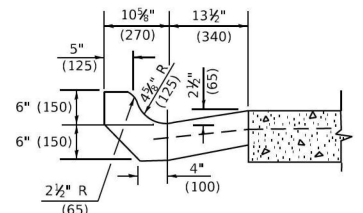
SECTION E-E



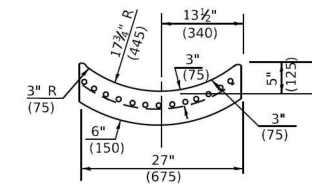
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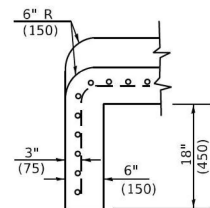
SECTION C-C



SECTION B-B



SECTION F-F



SECTION G-G

GENERAL NOTES

- GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
- TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.
- IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

METHOD OF MEASUREMENT

FOR SECTION A-A TO E-E AND CURTAIN WALL=  
1.25 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.  
1.27 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.  
FOR SECTION F-F=  
0.045 CU. YDS. (0.03<sup>3</sup>m ) CLASS SI CONCRETE PER ft. (m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN - E. GOMEZ 12-21-00	REVISED - E. GOMEZ 12-21-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-27-19
PLOT DATE = 11/18/2022	DATE - 08-04-86	REVISED - K. SMITH 11-18-22

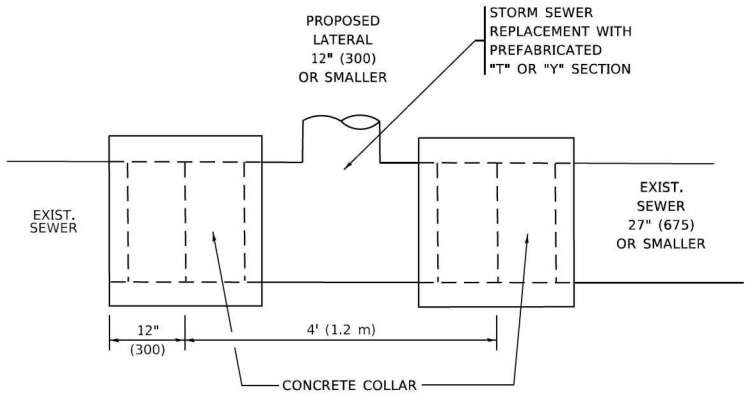
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OUTLET FOR CONCRETE  
CURB AND GUTTER

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

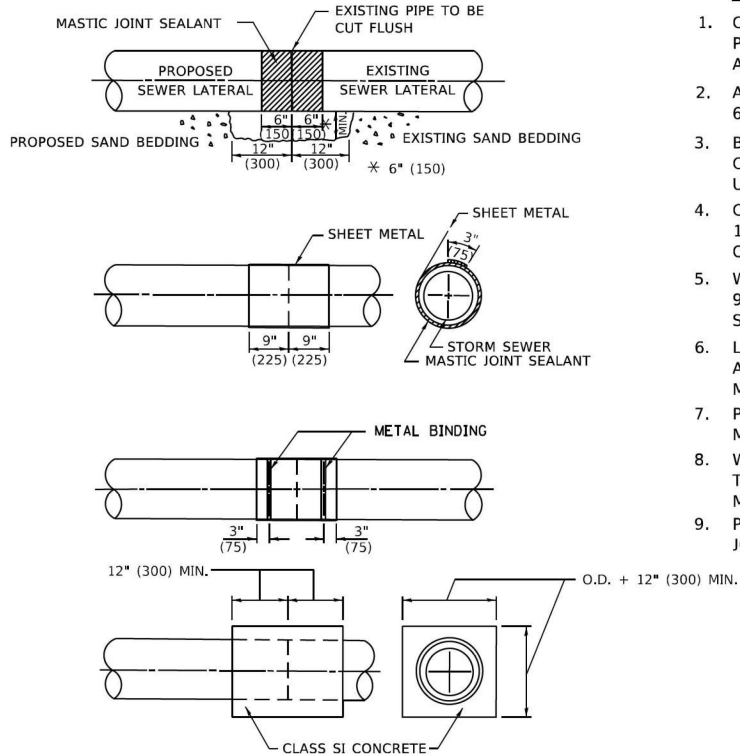
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	256
BD600-01	(BD-03)	CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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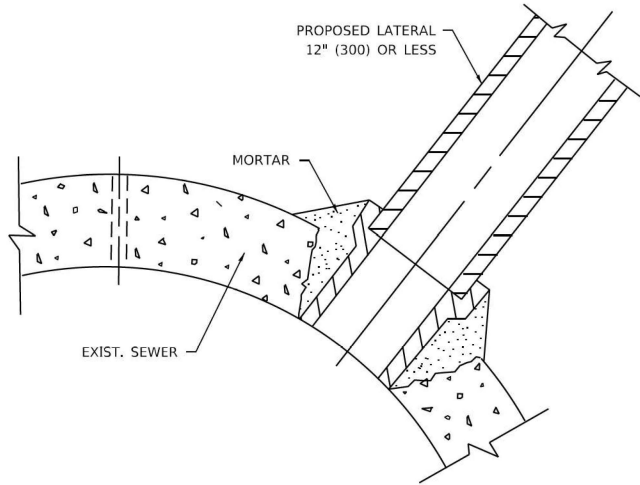
**DETAIL "A"**

LATERAL CONNECTION TO EXISTING SEWER  
OF 27" (675) OR SMALLER



**DETAIL "B"**

CLASS SI CONCRETE COLLAR



**DETAIL "C"**

PROPOSED LATERAL  
CONNECTION TO EXISTING SEWER  
OF 30" (750) OR LARGER

**CONSTRUCTION SEQUENCE**

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

**NOTES:**

**MATERIAL**

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

**CONSTRUCTION METHODS**

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
  - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

**GENERAL**

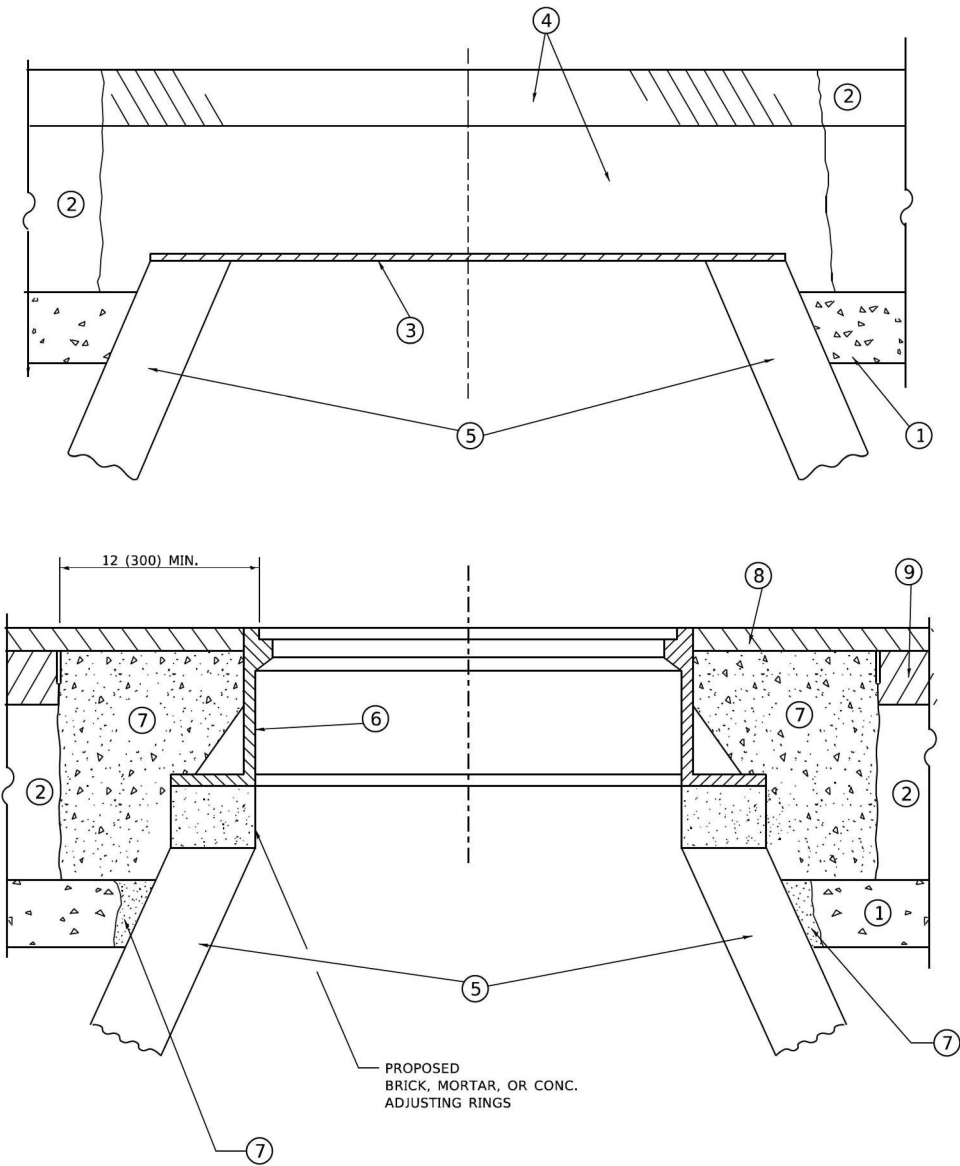
1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

\* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

	USER NAME = Lawrence,DeManche			DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -			CHECKED -	REVISED - R. SHAH 10-25-94					559	2021-060-SW-TS&N	COOK	306	257
	PLOT SCALE = 100.0000 ' / in.			DATE - 07-25-90	REVISED - R. SHAH 06-12-96		SCALE: NONE			SHEET 1 OF 1 SHEETS			CONTRACT NO. 62N97	
	PLOT DATE = 11/18/2022			DATE - 07-25-90	REVISED - K. SMITH 11-18-22		STA. TO STA.			ILLINOIS FED. AID PROJECT				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**NOTES**

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

**STAGE 2 (AFTER PAVEMENT MILLING)**

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- |  |                               |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS PP-2* CONCRETE        |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

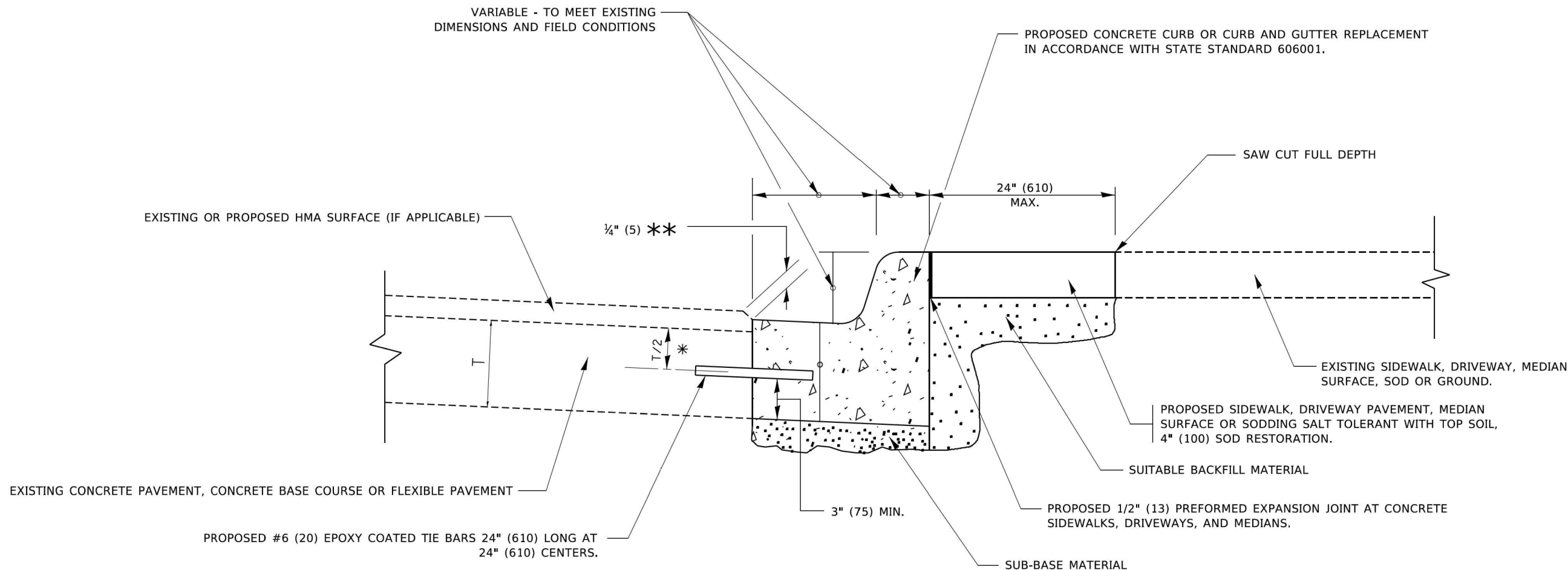
**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	258
BD600-03 (BD-08)		CONTRACT NO. 62N97		
		ILLINOIS	FED. AID PROJECT	



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- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

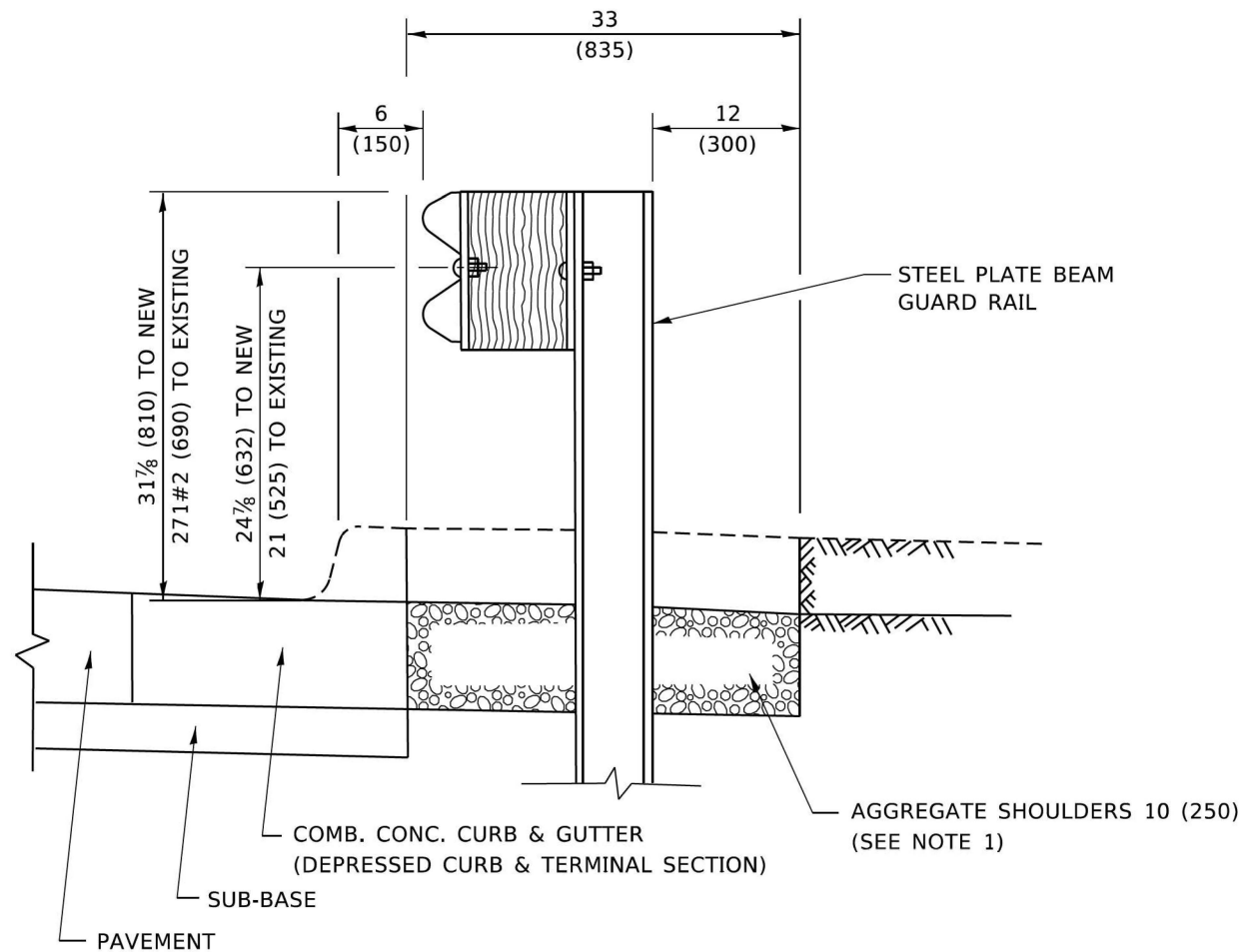
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

	USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - M. GOMEZ 01-22-01						559	2021-060-SW-TS&N	COOK	306	260
	PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09		BD600-06 (BD-24)		CONTRACT NO. 62N97						
	PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		ILLINOIS FED. AID PROJECT								
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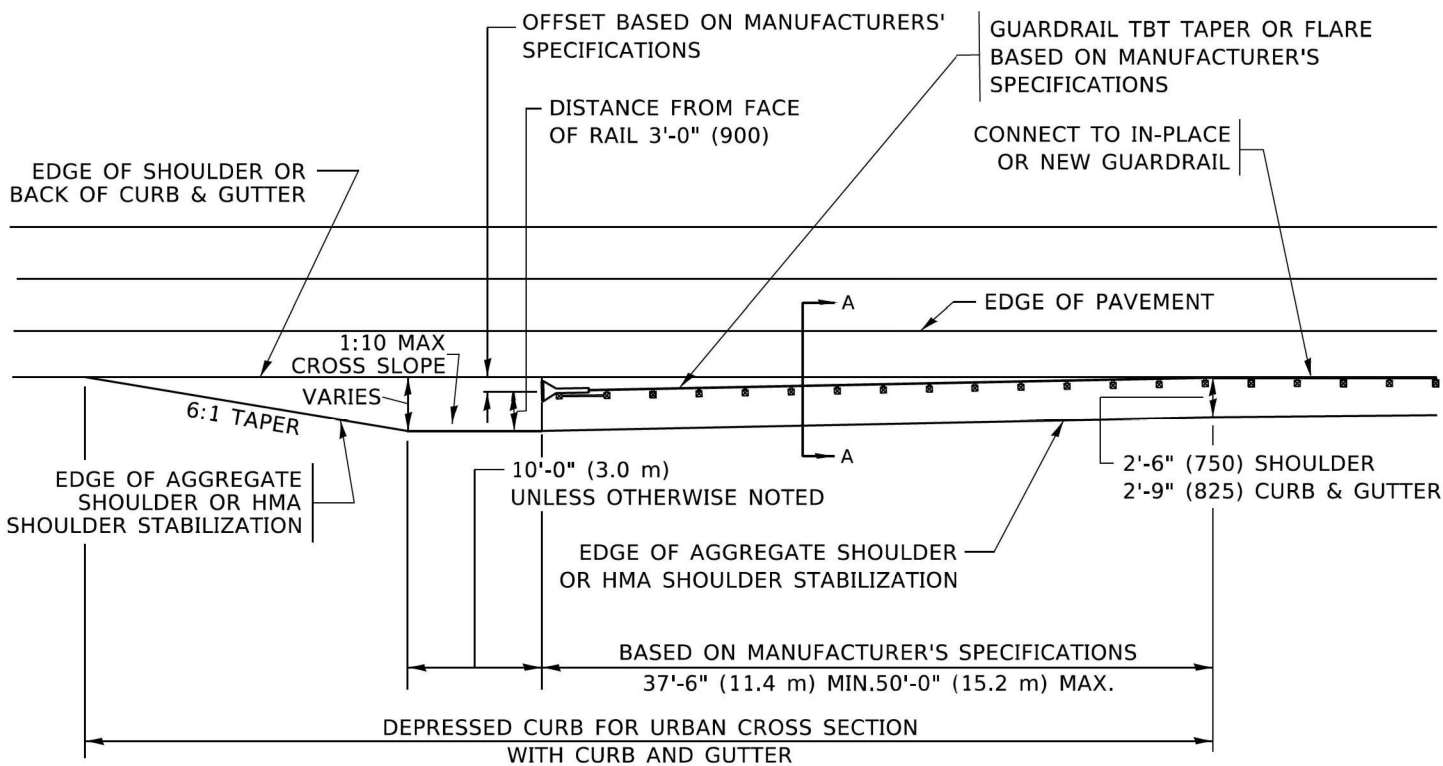


SECTION A-A

NOTES:

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE EXISTING GUARDRAIL HEIGHT SHALL TRANSITION TO MATCH THE NEW TERMINAL END SECTION AND SHALL BE PAID FOR AS VERTICAL ADJUSTMENT OF EXISTING GUADRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER  
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY.1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID  
ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE  
PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL  
AND TRAFFIC BARRIER TERMINAL, OF THE TYPE  
SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

MODEL: Default  
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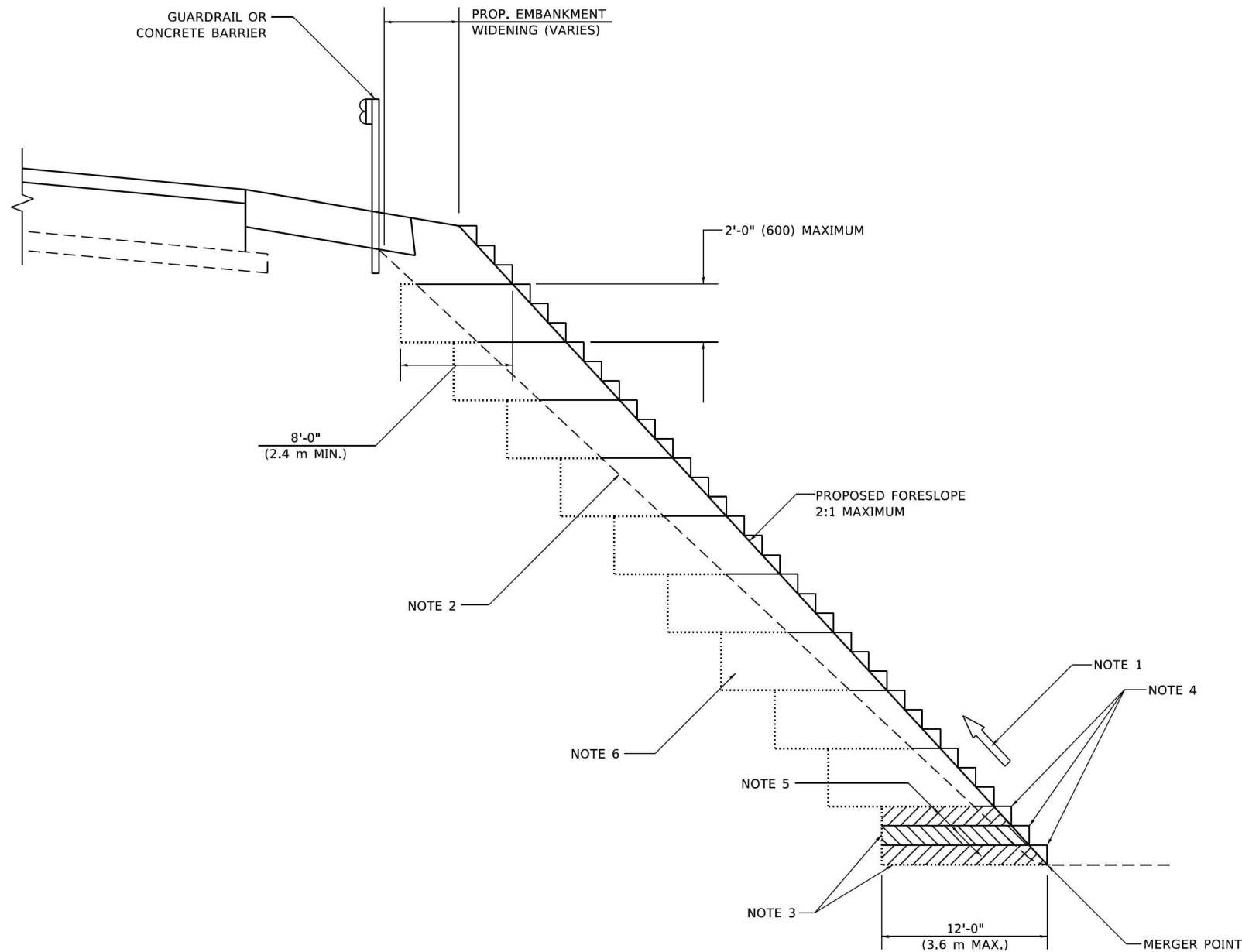
USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - R. BORO 09-14-2009
DRAWN -	REVISED - R. BORO 08-06-2012	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 05-08-2015
PLOT DATE = 11/18/2022	DATE - 09-22-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY.1 SPL.

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	262
BD600-10 (BD-34)		CONTRACT NO. 62N97		
		ILLINOIS FED. AID PROJECT		



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**GENERAL NOTES**

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

**BASIS OF PAYMENT**

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

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USER NAME = Lawrence,DeManche	DESIGNED -	REVISED - K. SMITH 11-18-22
	DRAWN - CADD	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - S.E.B.	REVISED -
PLOT DATE = 11/18/2022	DATE - 06-16-04	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	263
BD-51		CONTRACT NO. 62N97		
		ILLINOIS	FED. AID PROJECT	



**DETAIL B**

### GENERAL NOTES

1. CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.
2. SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS.
3. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.
4. ALL RUMBLE STRIPS SHALL BE MILLED.
5. CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.
6. DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.
7. AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.
8. WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

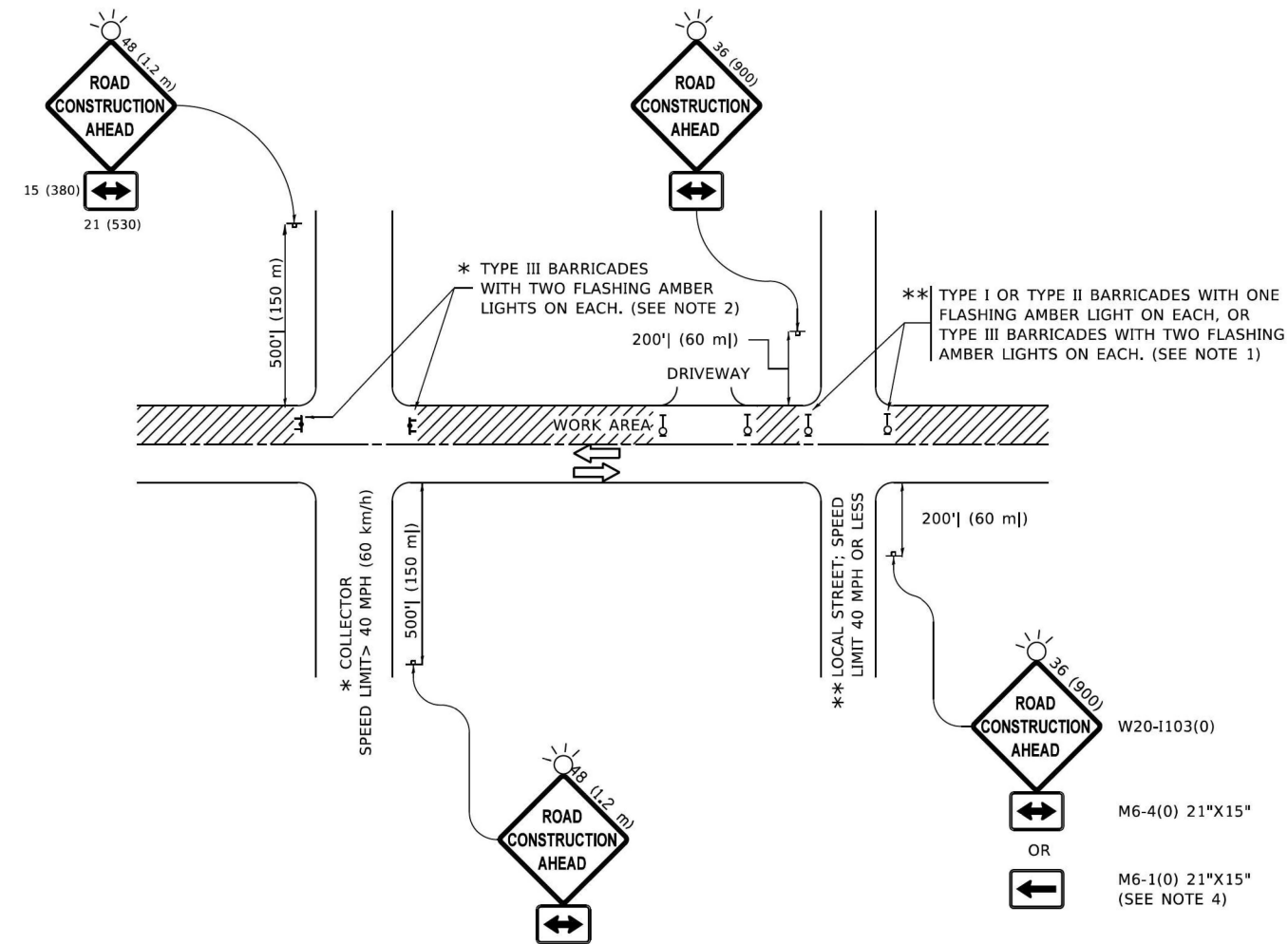
### **BASIS OF PAYMENT**

1. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.
2. HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					559	2021-060-SW-TS&N	COOK	306	264
					BD-55		CONTRACT NO. 62N97		
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.				
					ILLINOIS		FED. AID PROJECT		

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NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters)  
unless otherwise shown.

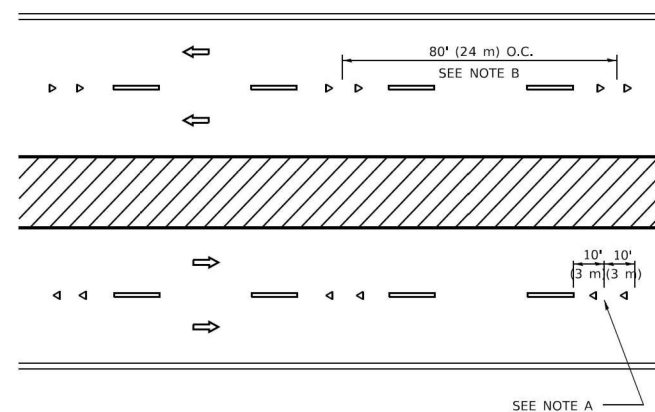
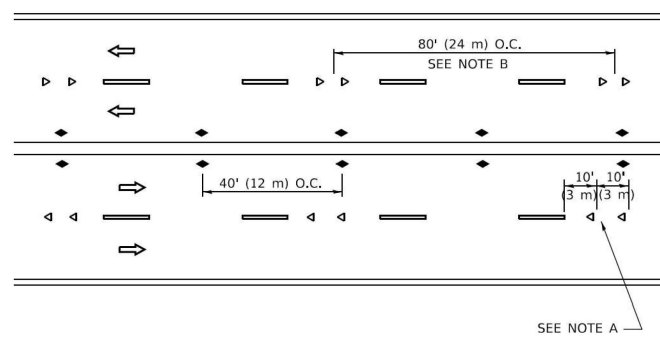
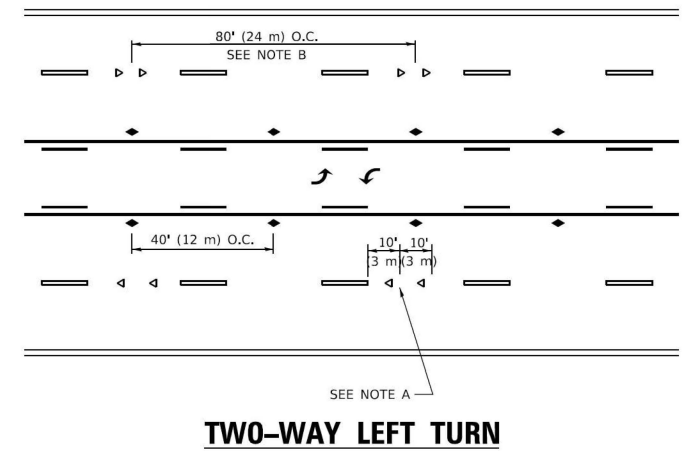
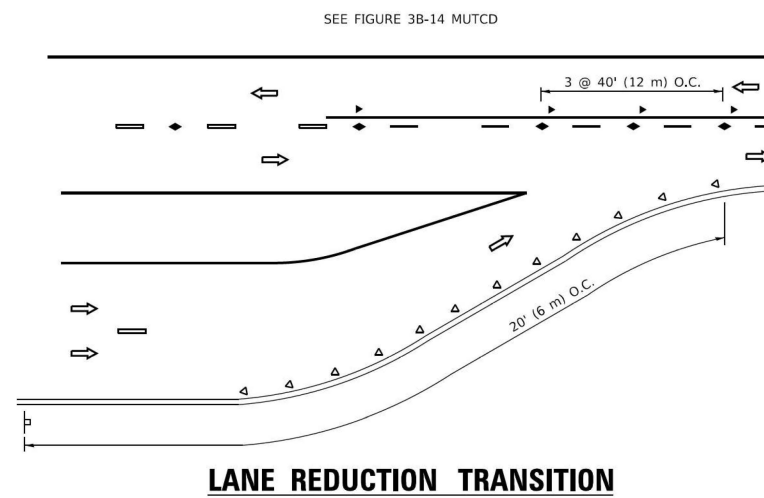
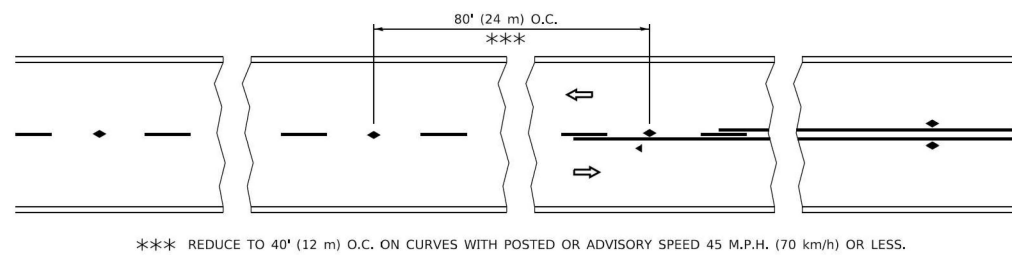
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DRAWN	-	REVIS	- A. SCHUETZE 07-01-13		
PLOT SCALE	= 100.0000 ' / in.	CHECKED	-	REVISED	- A. SCHUETZE 09-15-16
PLOT DATE	= 5/3/2024	DATE	- 06-89	REVISED	- D. SENDERAK 05-03-24

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	265
TC-10		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		



- ### GENERAL NOTES

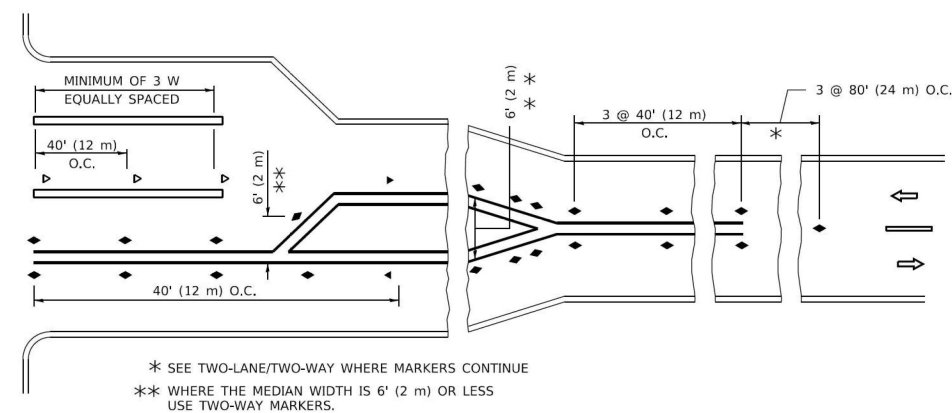
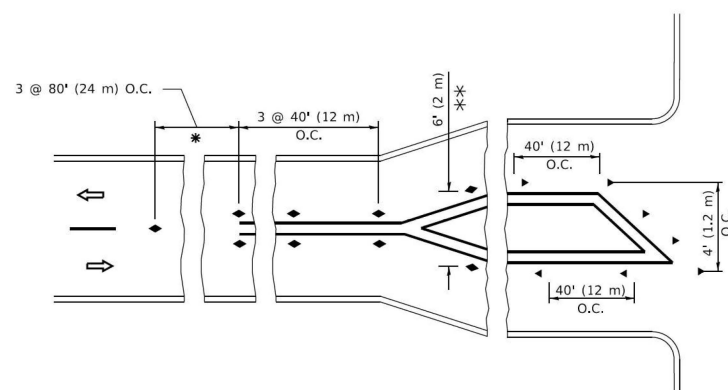
1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

- ## SYMBOLS

- YELLOW STRIPE
- ▬ WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

- ### LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

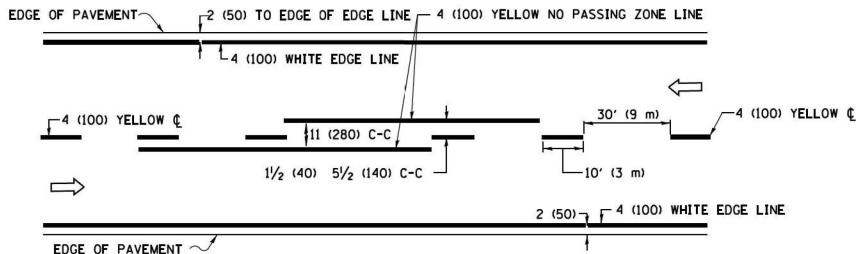


## TURN LANES

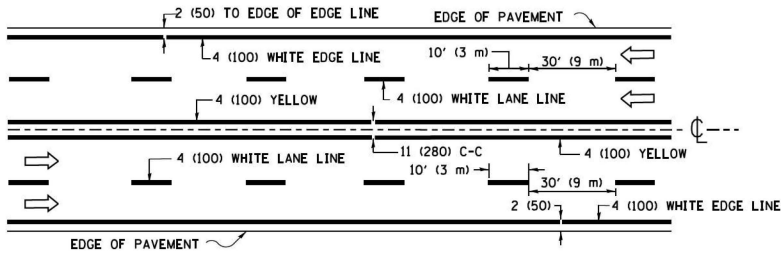
All dimensions are in inches (millimeters)  
unless otherwise shown.

FILE NAME: PROJECT.DWG	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 01-06-00						559	2021-060-SW-TS&N	COOK	306	266
	PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09		TC-11 CONTRACT NO. 62N97								
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13										
						SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		

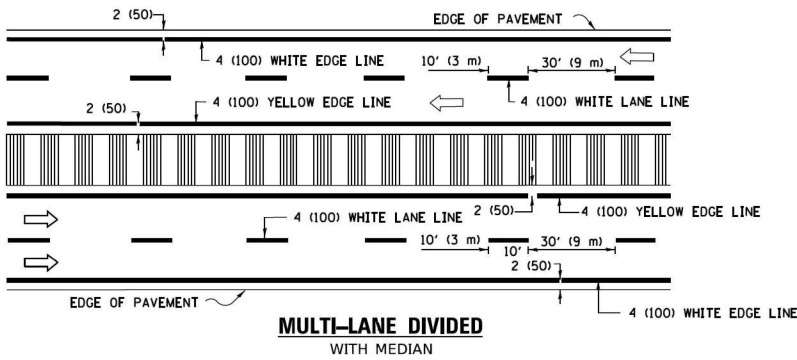




2-LANE ROADWAY

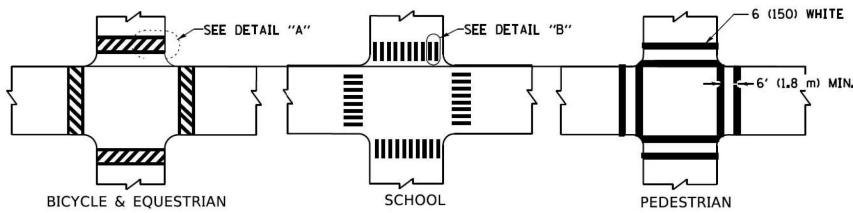


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED  
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

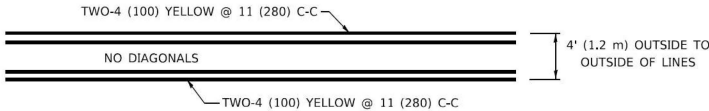


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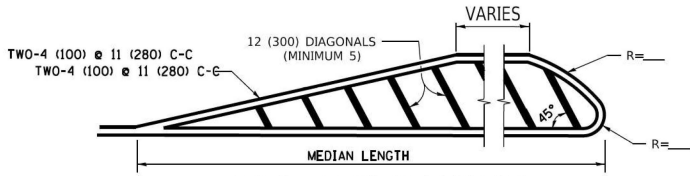
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TYPICAL CROSSWALK MARKING

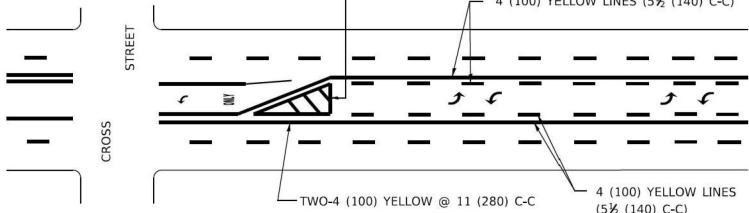
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



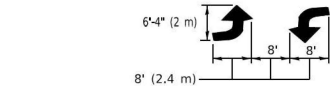
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

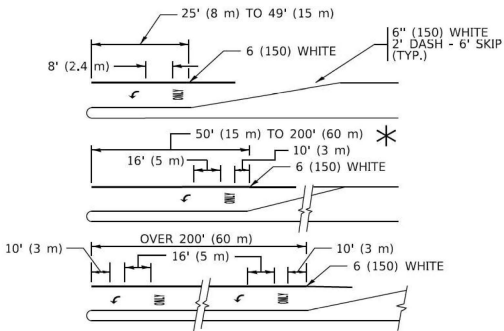


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

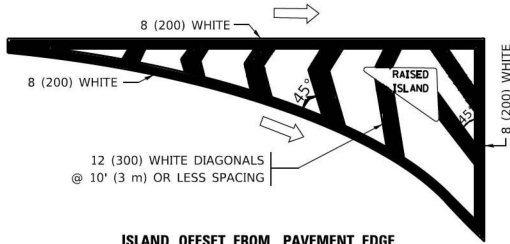


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

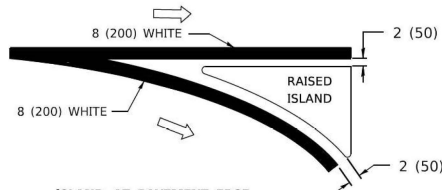
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

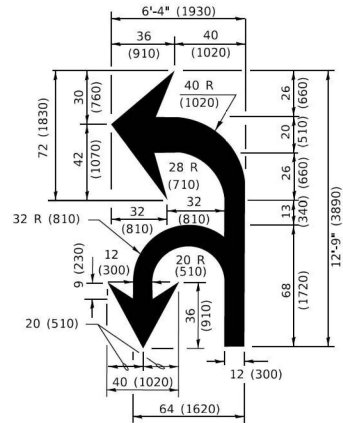


ISLAND OFFSET FROM PAVEMENT EDGE

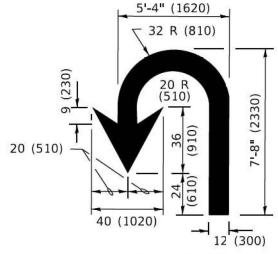


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION  
LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	267
TC-13		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START  
OF LANE CLOSURE TAPER

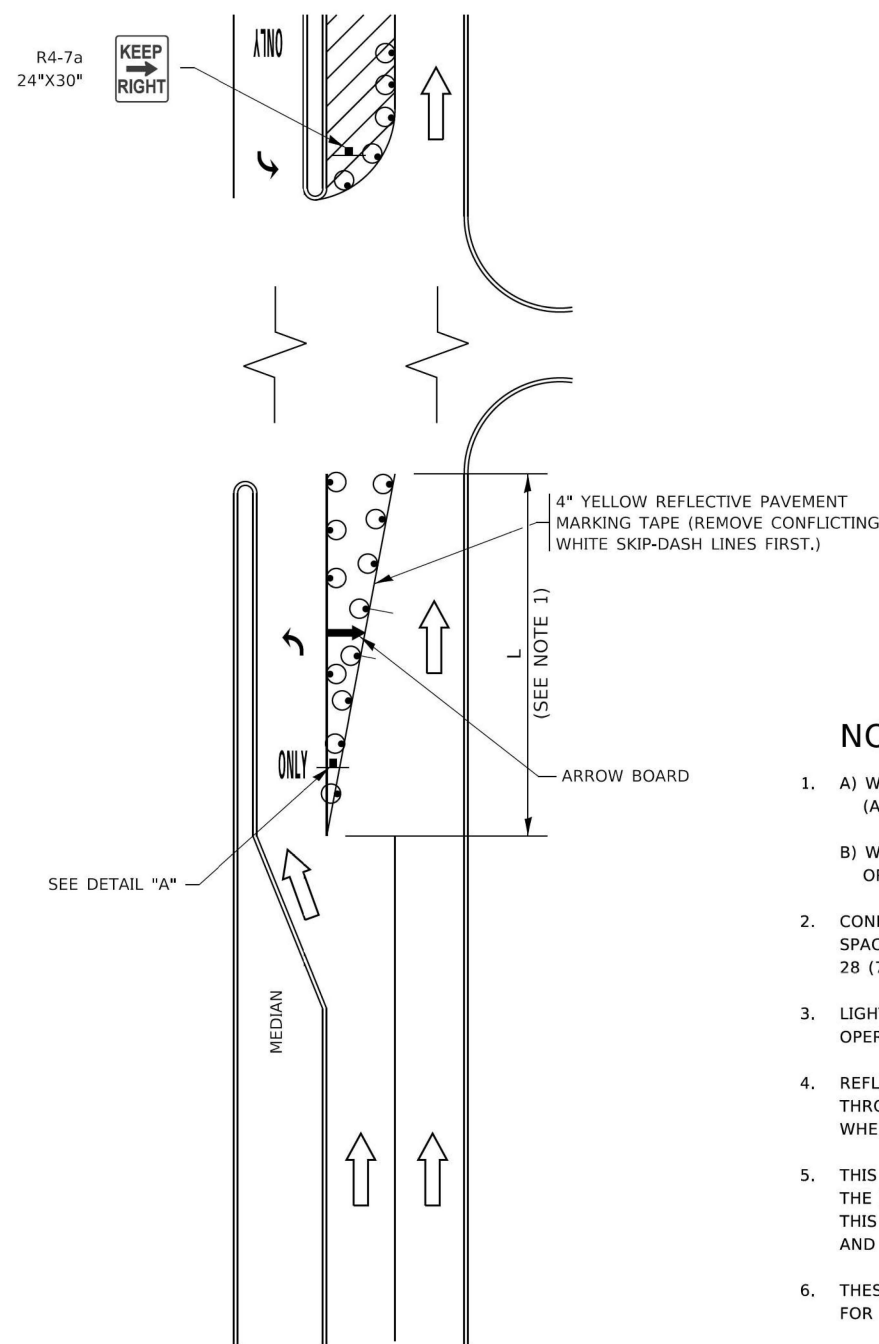


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE  
WITHIN A LANE CLOSURE

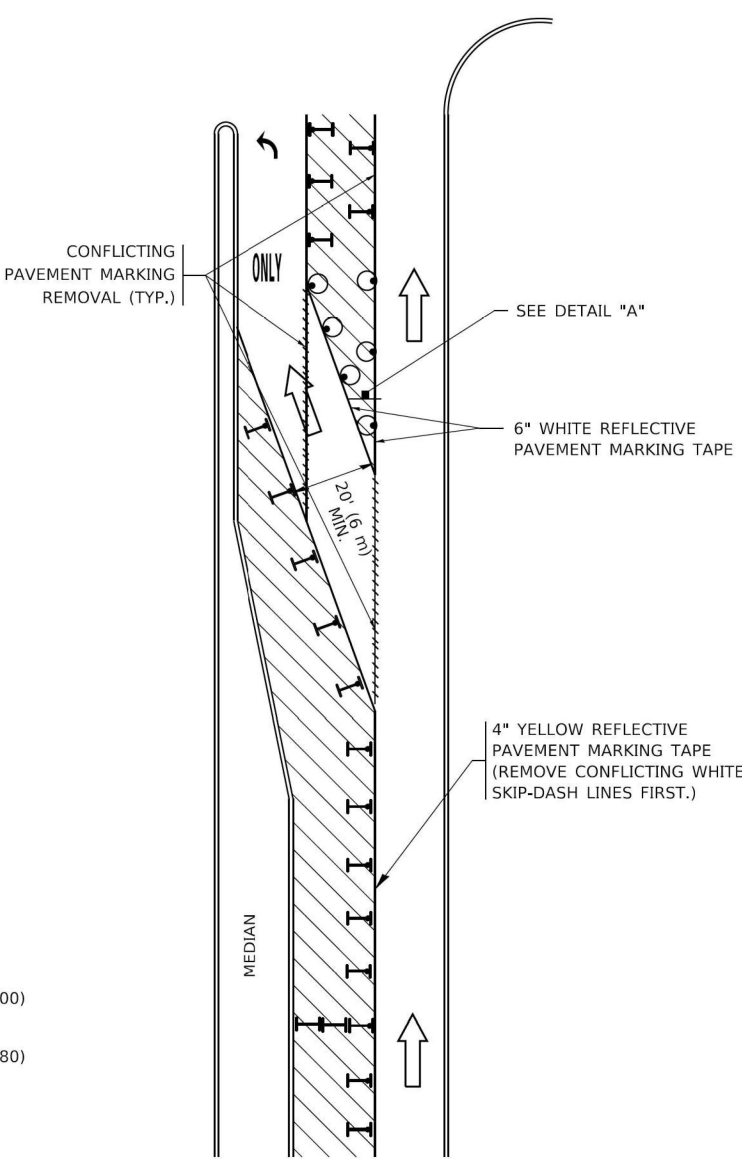
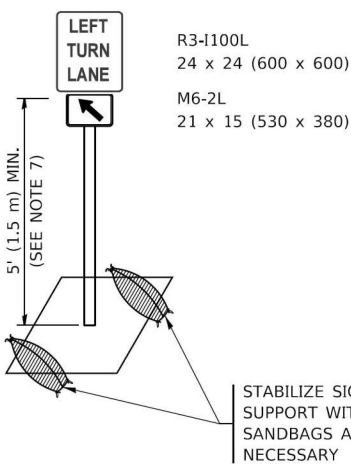


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

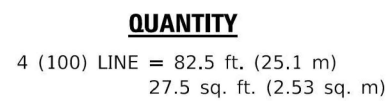
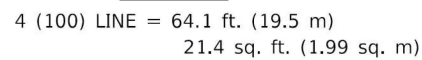
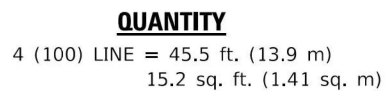
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CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

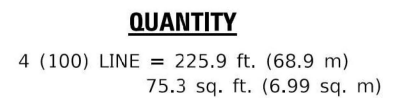
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	268
TC-14		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		



ALL QUANTITIES OF PLACEMENT ARE REPRESENTED  
IN LINEAR FEET OF 4" LINES TO MATCH THE  
4" TEMPORARY TAPE PAY ITEM AND REPRESENTS  
THE TOTAL QUANTITY OF 4" TAPE REQUIRED.




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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<div> <div>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</div> </div>					F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
					559	2021-060-SW-TS&N		COOK	306	269
					TC-16			CONTRACT NO. 62N97		
SCALE: NONE		SHEET 1	OF 1	SHEETS	STA.	TO STA.				
						ILLINOIS	FED. AID PROJECT			

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FOR U.S. ROUTES  
M1-40-2424





FOR ILLINOIS ROUTES  
M1-50-2424


MAIN STREET


R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND


ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

NORTH

M3-1-2412

EAST

M3-2-2412

SOUTH

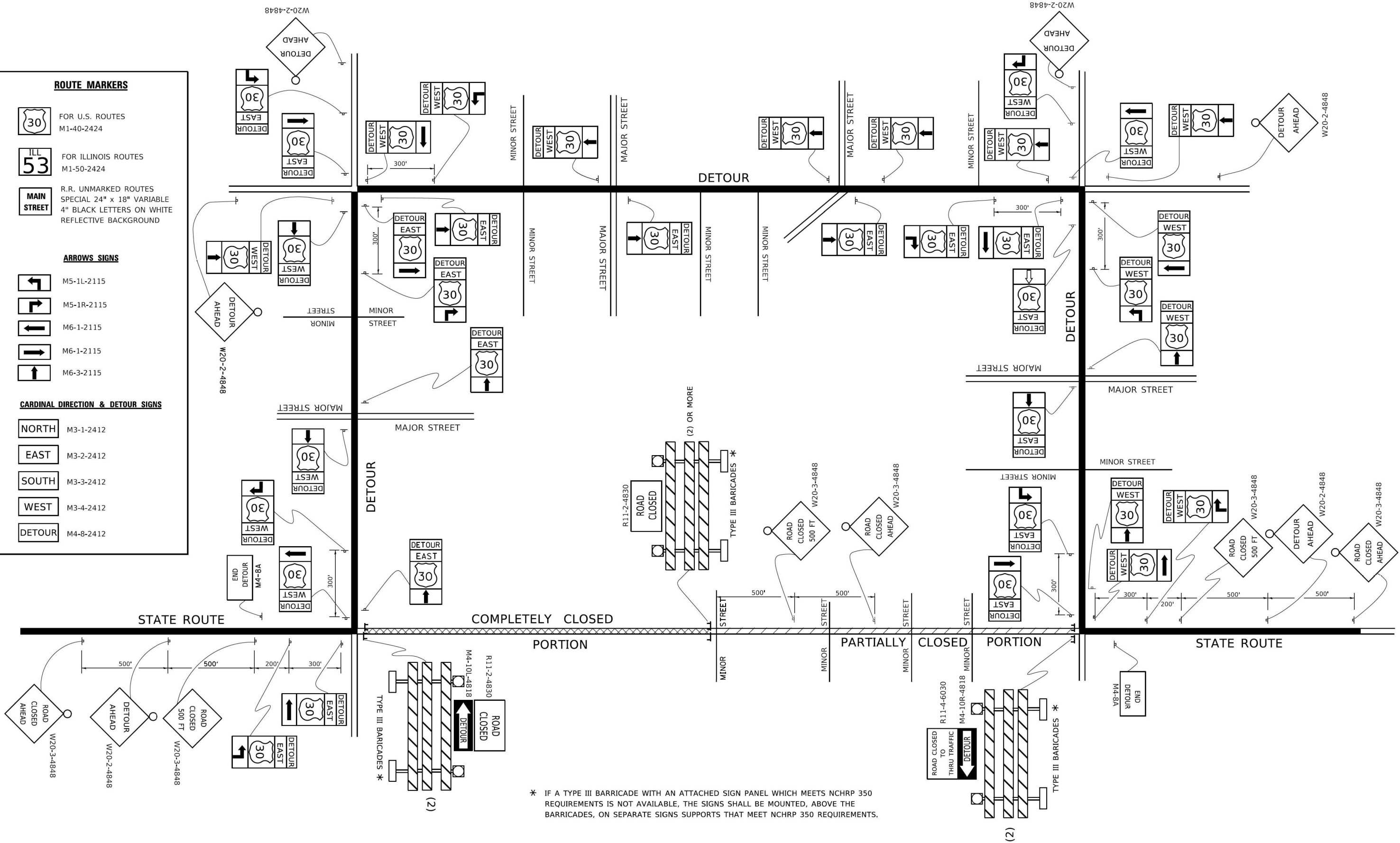
M3-3-2412

WEST

M3-4-2412

DETOUR

M4-8-2412



\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

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		DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE	= 50,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE	= 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING  
FOR CLOSING STATE HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	270
TC-21		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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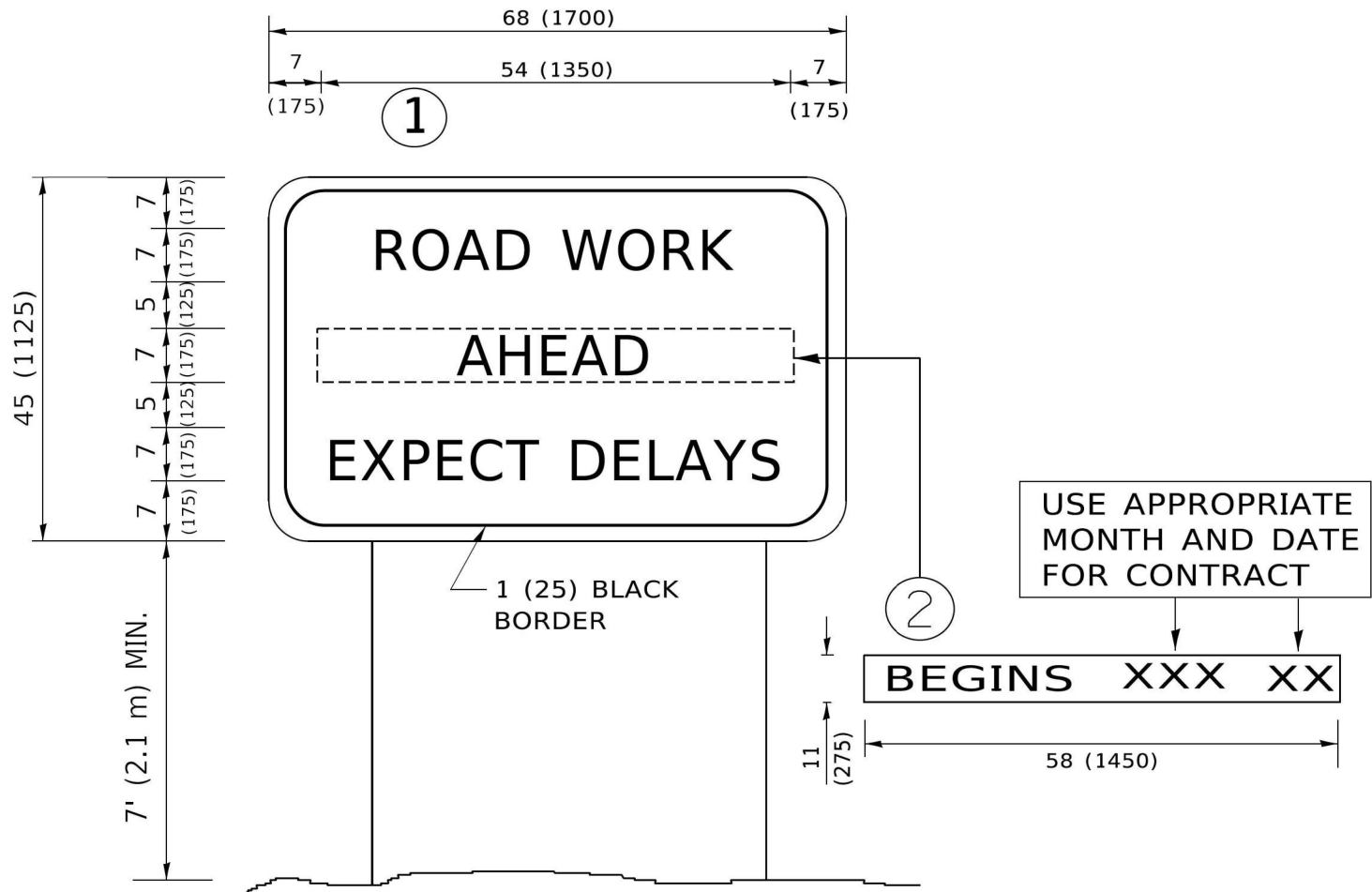
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PLOT DATE	= 3/4/2019	DATE	-	REVISED	-	C. JUCIUS 01-31-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD  
INFORMATION SIGN

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

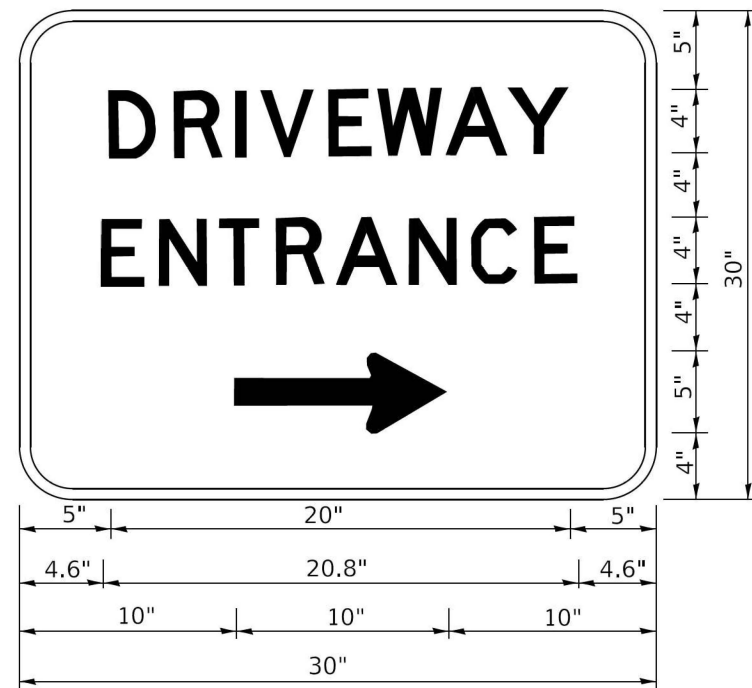
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559	2021-060-SW-TS&N	COOK	306	271
TC-22		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

- NOTES:
- 1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
  - 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
  - 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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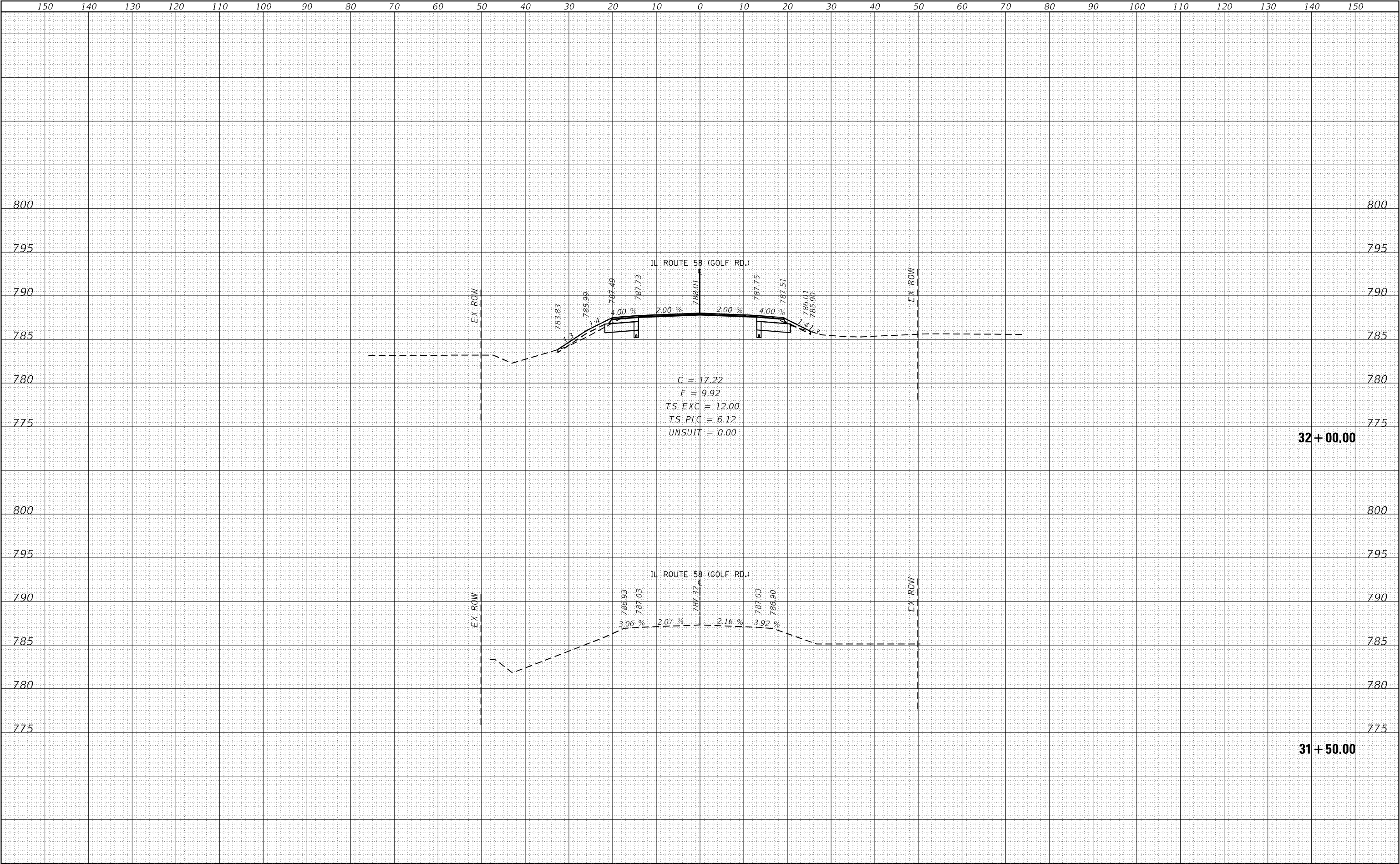
	USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING	SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									559	2021-060-SW-TS&N	COOK	306	272
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	PLOT DATE = 8/6/2021	DATE -	REVISED -									ILLINOIS FED. AID PROJECT				



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

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

MODEL Default  
FILE NAME: 232-035-01 DOT D1 PDB 199-012 WO IL 58 at Barrington/DND/Design/Initial/Plot/Perseid/52497-24b-c-c-3-16.dgn



EFK•Moen Civil Engineering Design	USER NAME = J.Berggren		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 58 CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 * / in.		DRAWN -	REVISED -		SCALE:		559	2021-060-SW-TS&N	COOK	306	273
	PLOT DATE = 4/23/2025		CHECKED -	REVISED -		SHEET 1 OF 31 SHEETS		TO STA. 31+50.00 TO STA. 32+00.00		CONTRACT NO. 62N97		
			DATE -	REVISED -						ILLINOIS	FED. AID PROJECT	

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

**EFK♦Moen**  
Civil Engineering Design

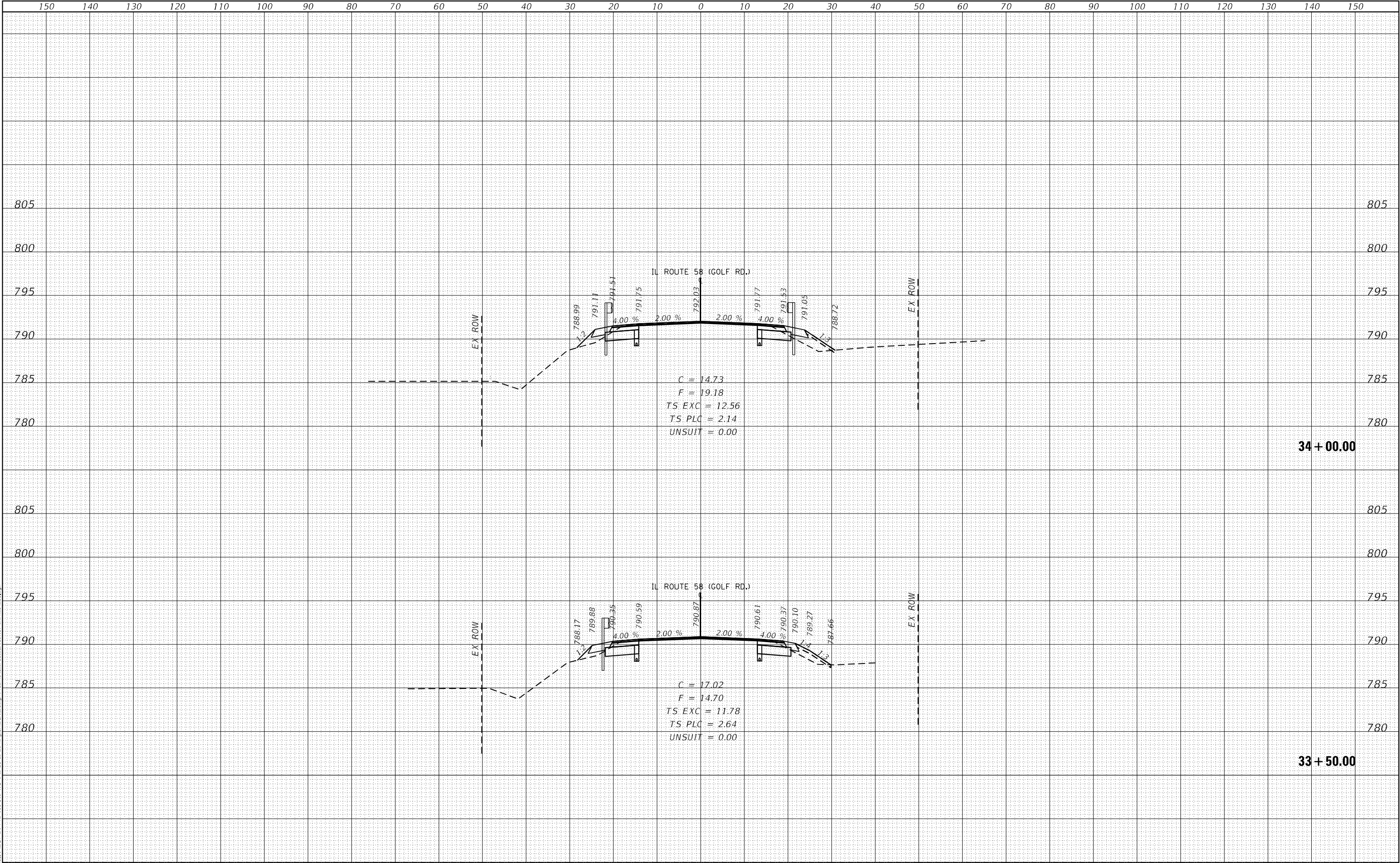
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	274
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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

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

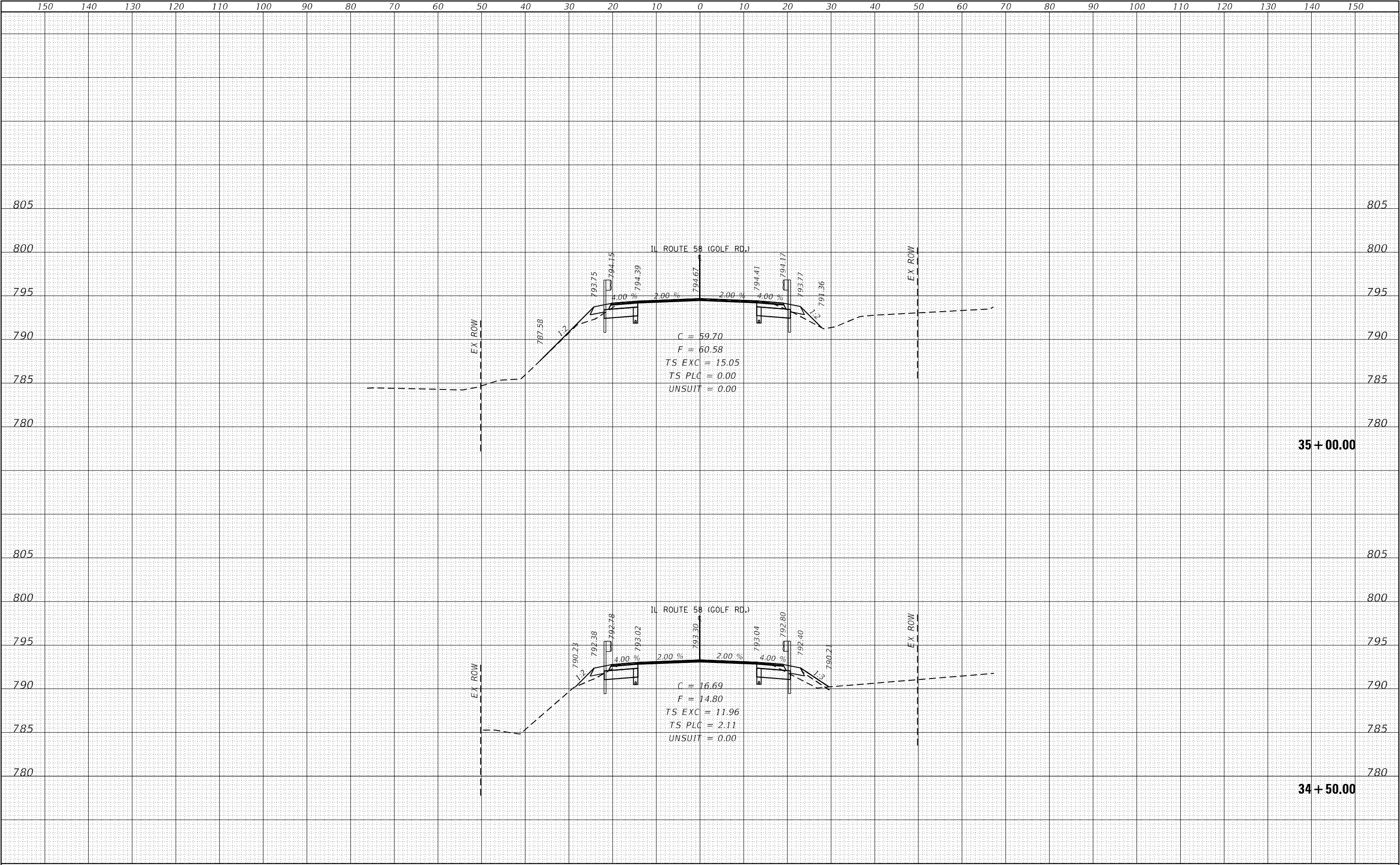
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FINAL SURVEY NO.	SURVEYED PLOTTED NOTE BOOK AREAS CHECKED	BY	DATE

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

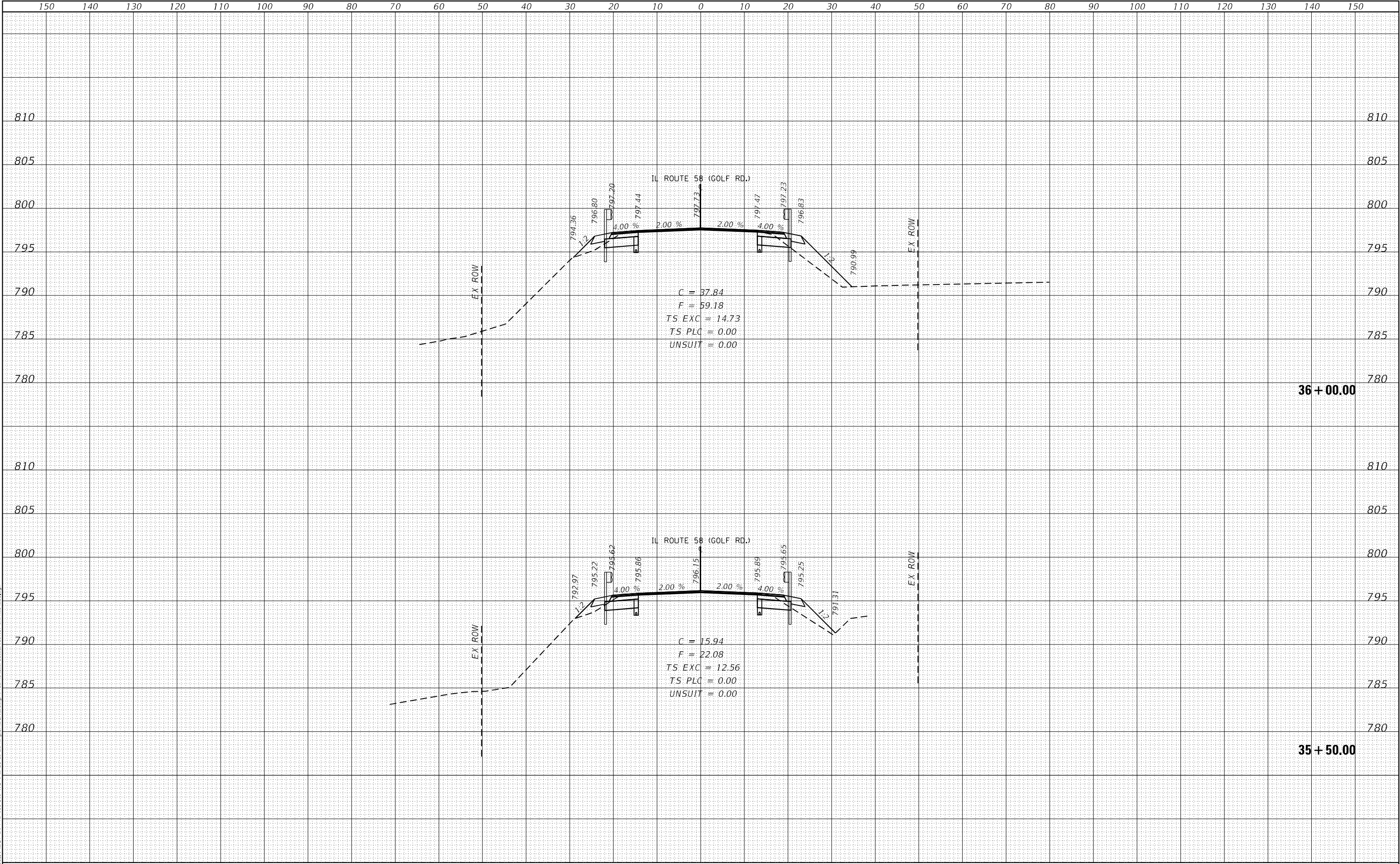
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SURVEYED PLOTTED AREAS CHECKED	TEMPERATURE	BY	DATE

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SURVEYED PLOTTED AREAS CHECKED	TEMPERATURE	BY	DATE

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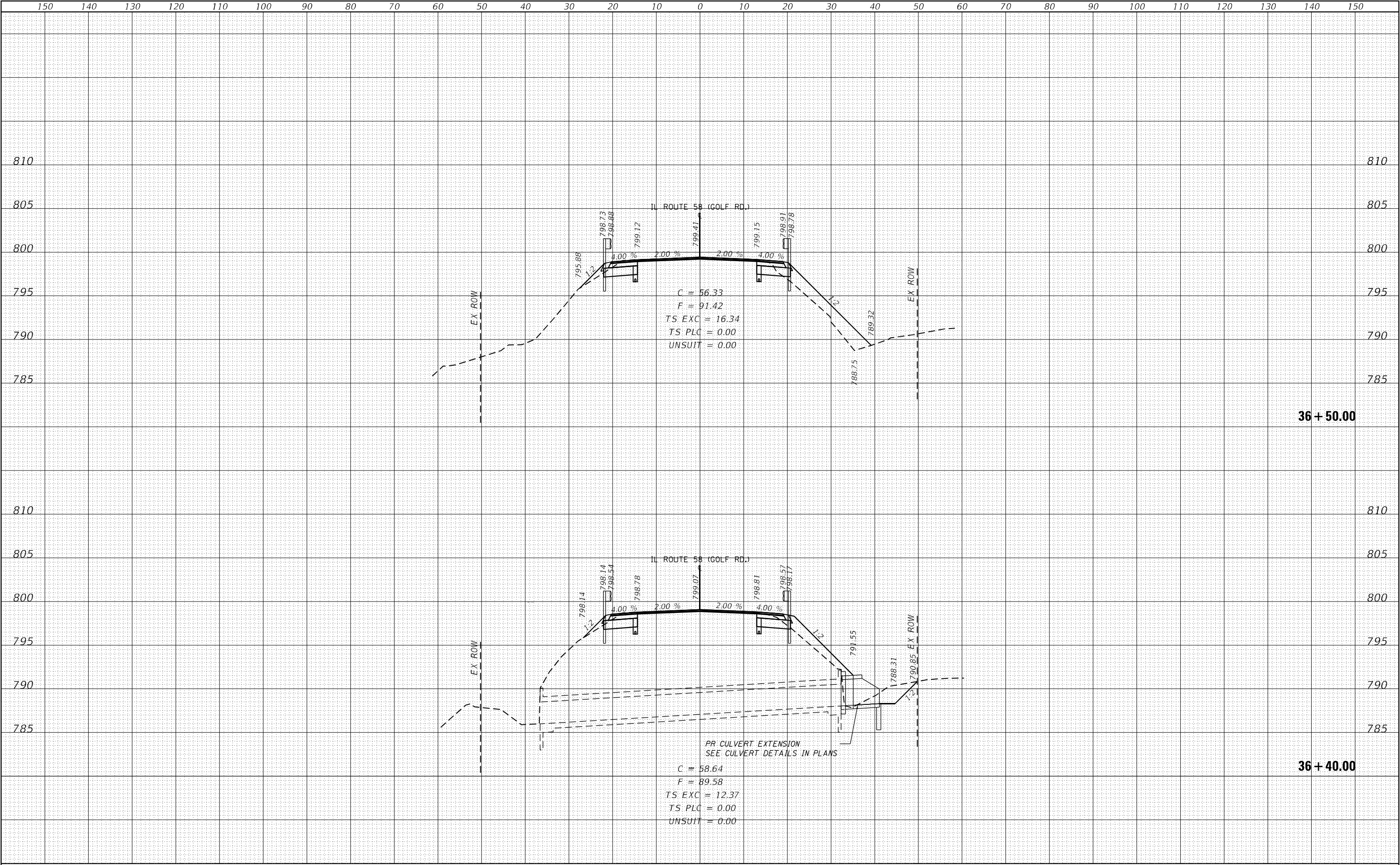




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**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
CHECKED -  
PLOT DATE = 6/5/2025  
DATE -

DESIGNED -  
REVIS  
DRAWN -  
CHECKED -  
DATE -

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REVIS  
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REVIS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

SCALE: SHEET 6 OF 31 SHEETS STA. 36+40.00 TO STA. 36+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	278
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
AREAS CHECKED				
NO.				

**EFK♦Moen**  
Civil Engineering Design

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	279
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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

**EFK♦Moen**  
Civil Engineering Design

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	280
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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

**EFK♦Moen**  
Civil Engineering Design

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	281
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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

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Civil Engineering Design

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	282
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		



ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
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NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

**EFK♦Moen**  
Civil Engineering Design

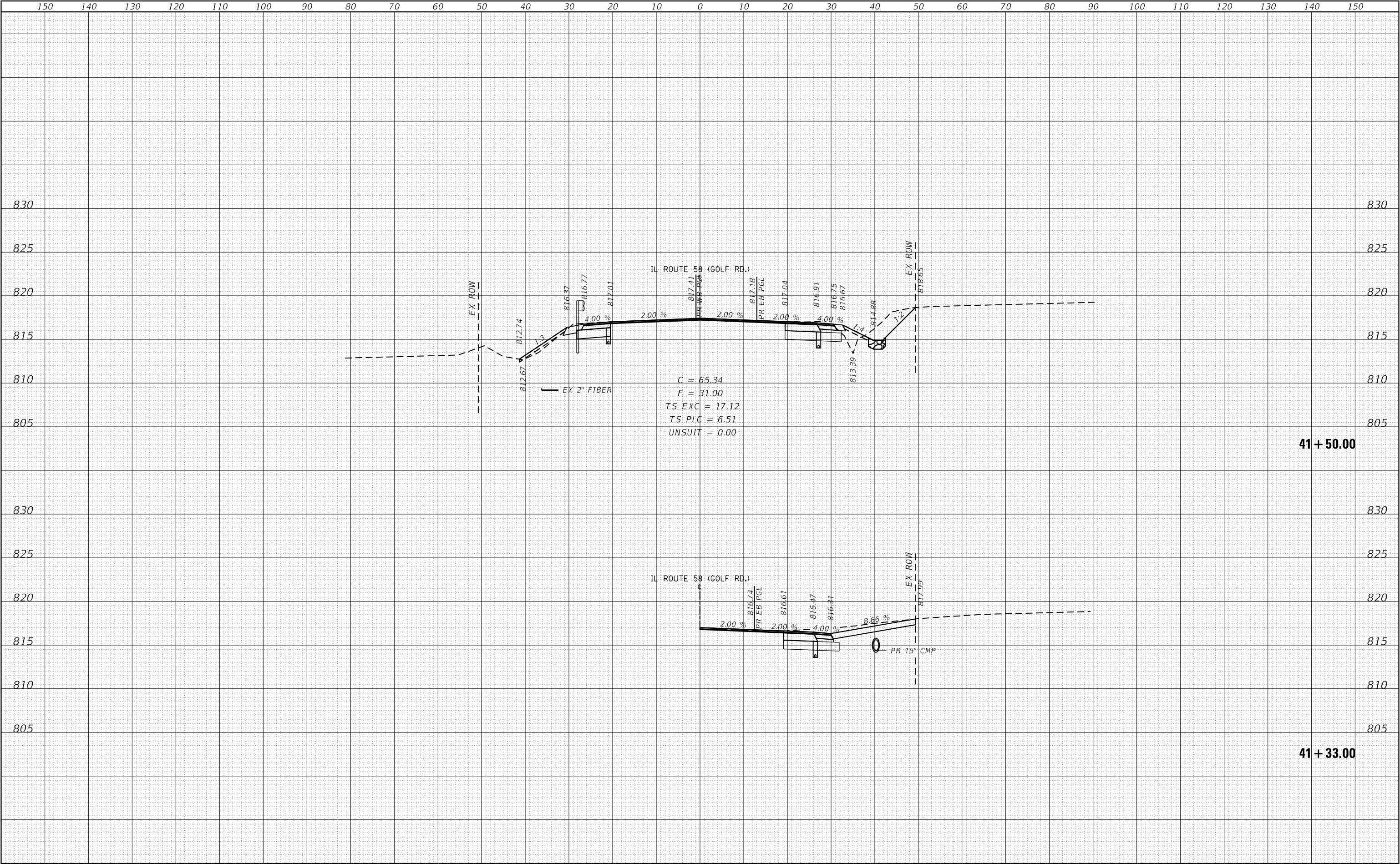
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	283
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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

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

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**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
PLOT DATE = 4/23/2025

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

SCALE: SHEET 12 OF 31 SHEETS STA. 41+33.00 TO STA. 41+50.00

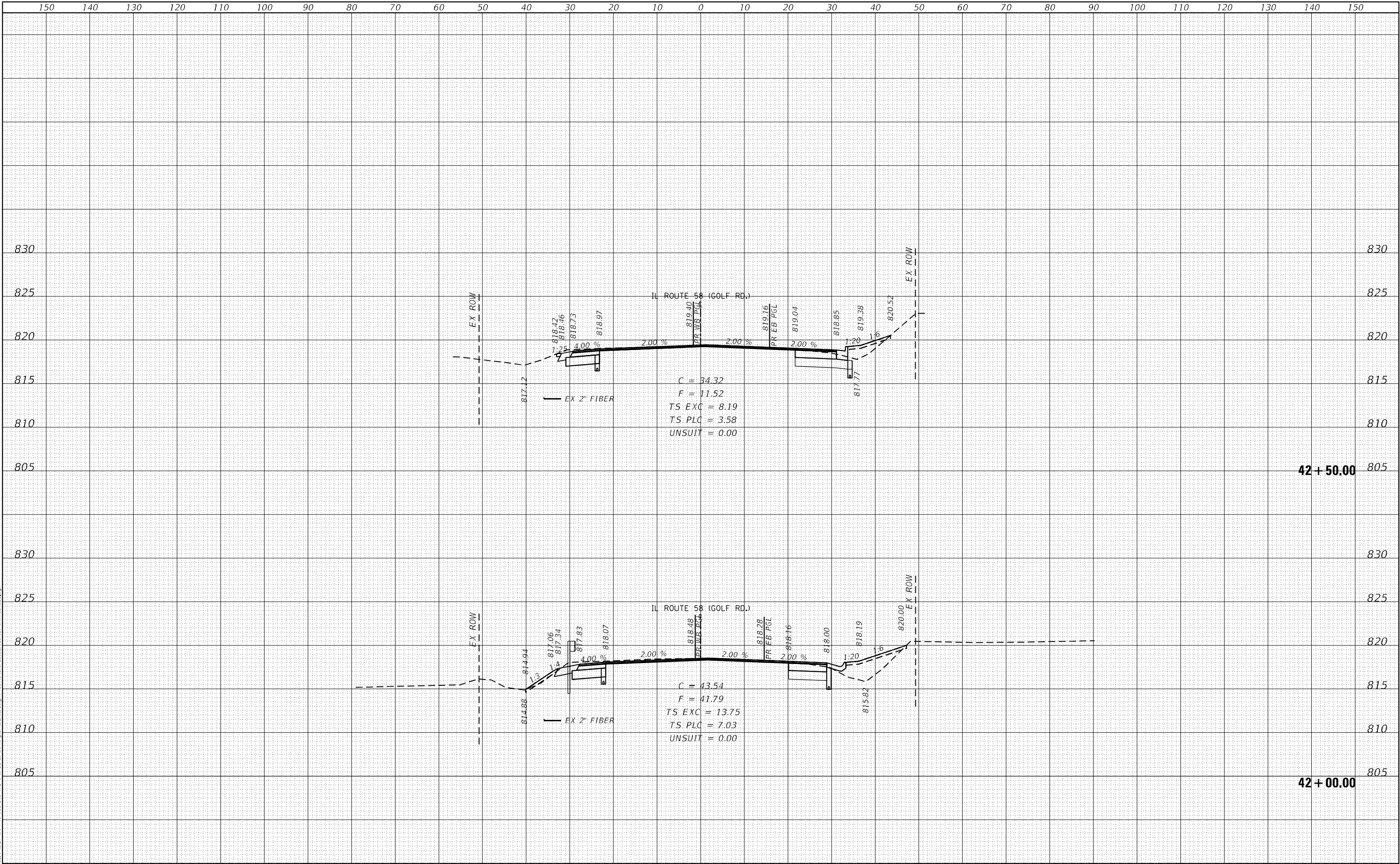
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-T&N	COOK	306	284
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



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

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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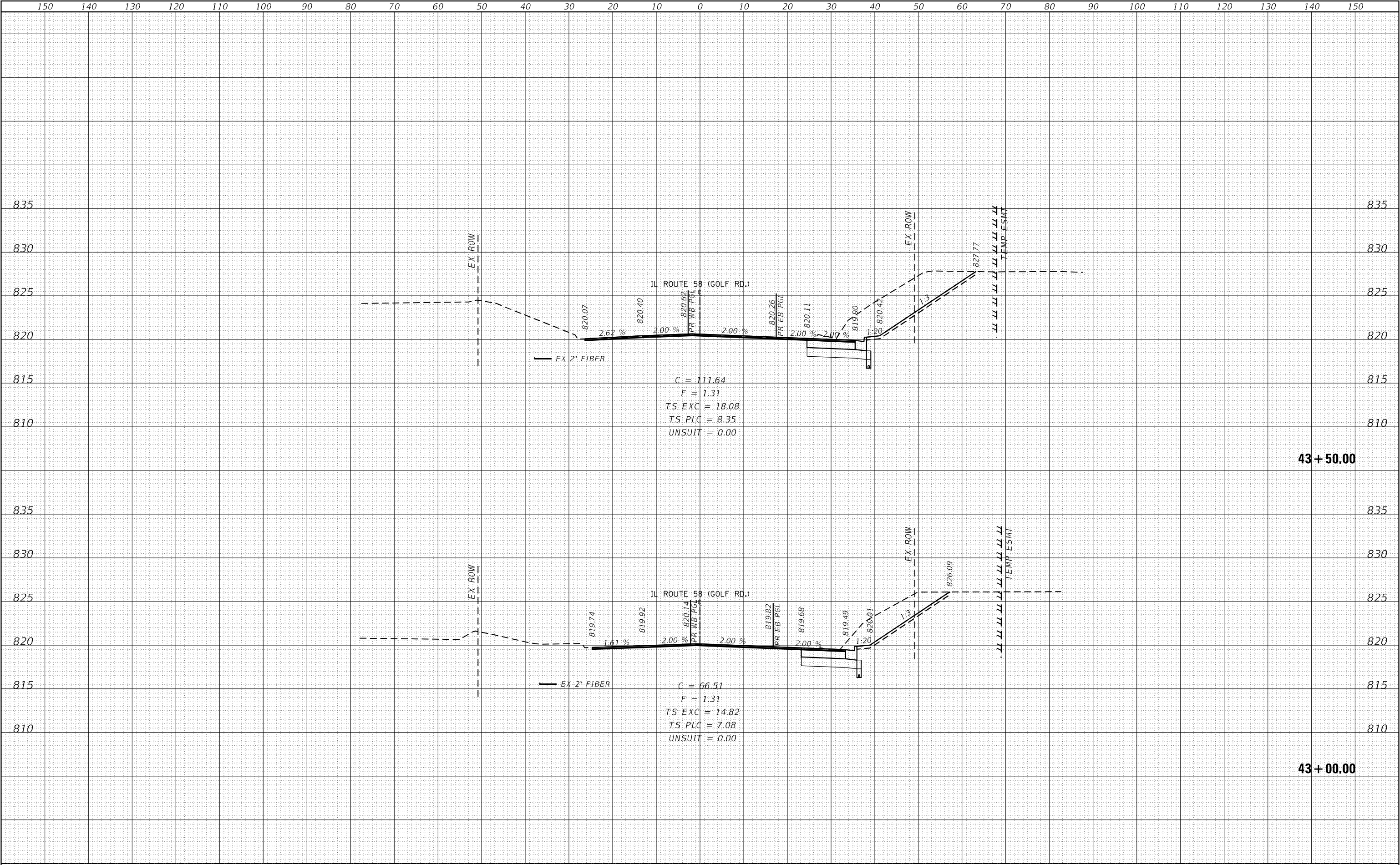


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			DRAWN -		REVISED -		559	2021-060-SW-TS&N																	COOK	306	285			
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			PLOT DATE = 4/25/2025		DATE -		REVISED -																							

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

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NOTE BOOK	TEMPLATE		
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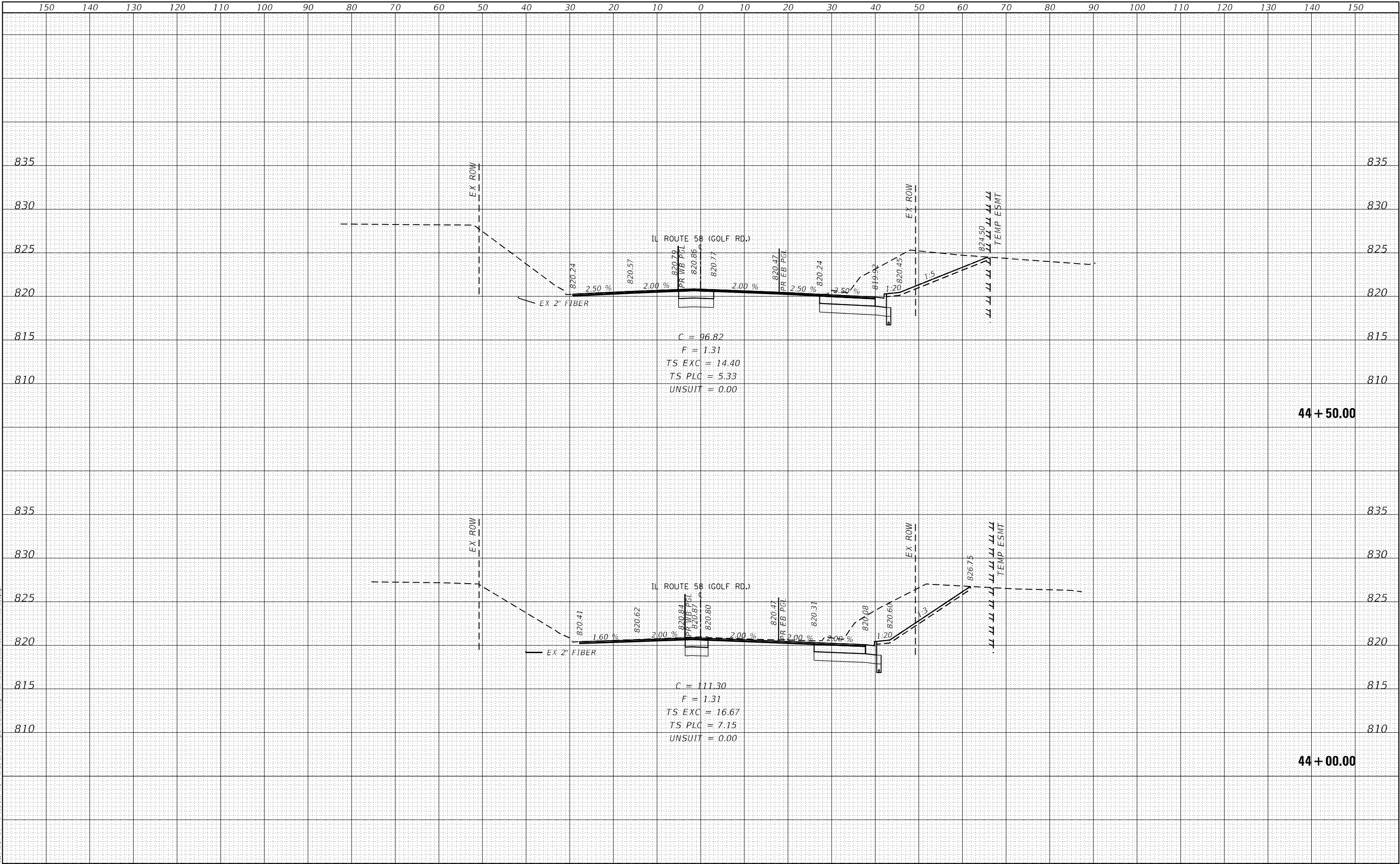
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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

MODEL Default  
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**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
PLOT DATE = 4/23/2025

DESIGNED -  
REVIS  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

SCALE: SHEET 15 OF 31 SHEETS STA. 44+00.00 TO STA. 44+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	287
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

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

**EFK♦Moen**  
Civil Engineering Design

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

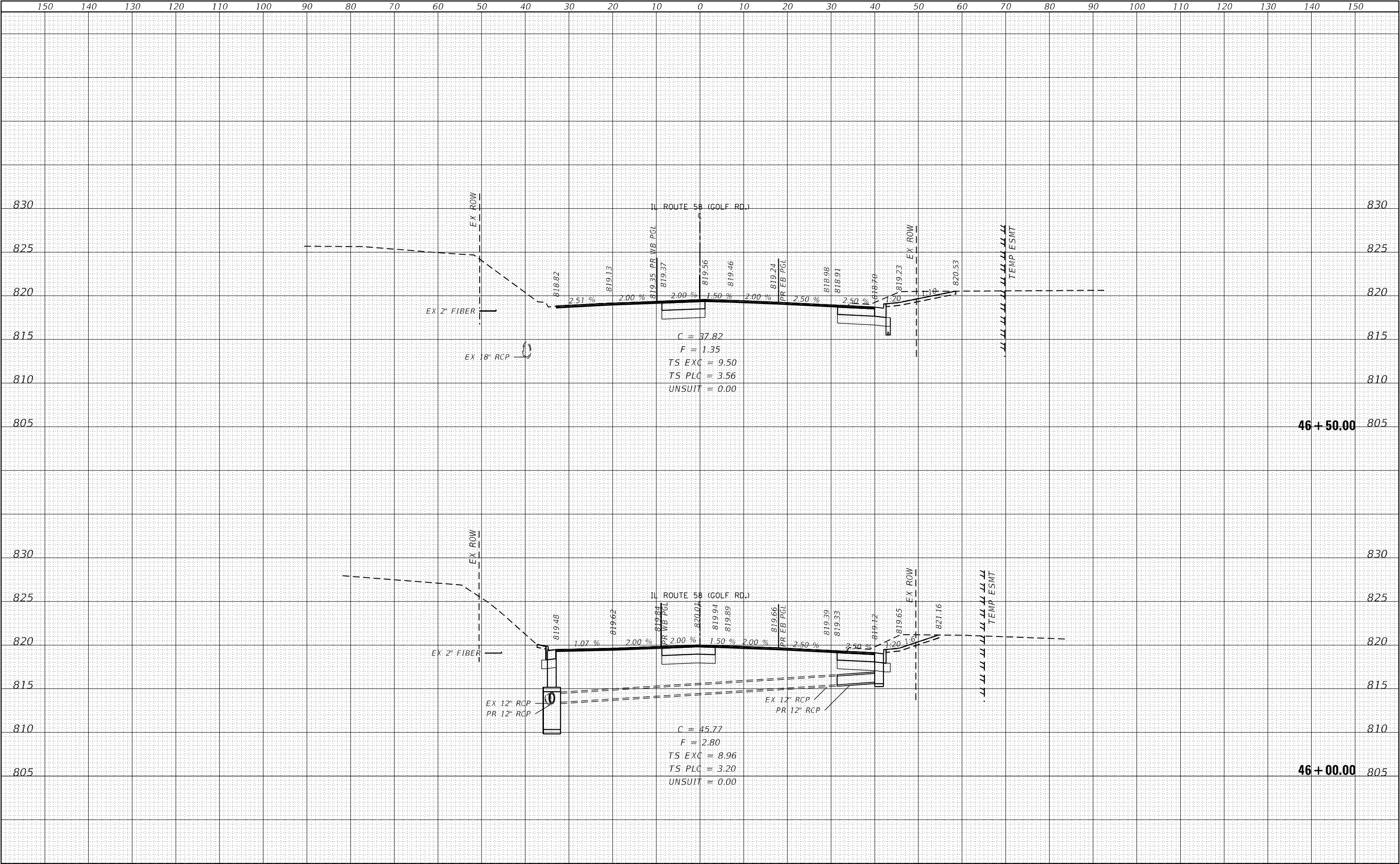
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	288
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		



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

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

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**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
CHECKED -  
PLOT DATE = 4/23/2025  
DATE -

DESIGNED -  
REVISIED -  
CHECKED -  
DATE -

REVISIED -  
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REVISIED -  
REVISIED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

SCALE: SHEET 17 OF 31 SHEETS STA. 46+00.00 TO STA. 46+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-T&N	COOK	306	289
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

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

**EFK♦Moen**  
Civil Engineering Design

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**IL 58**  
**CROSS SECTIONS**

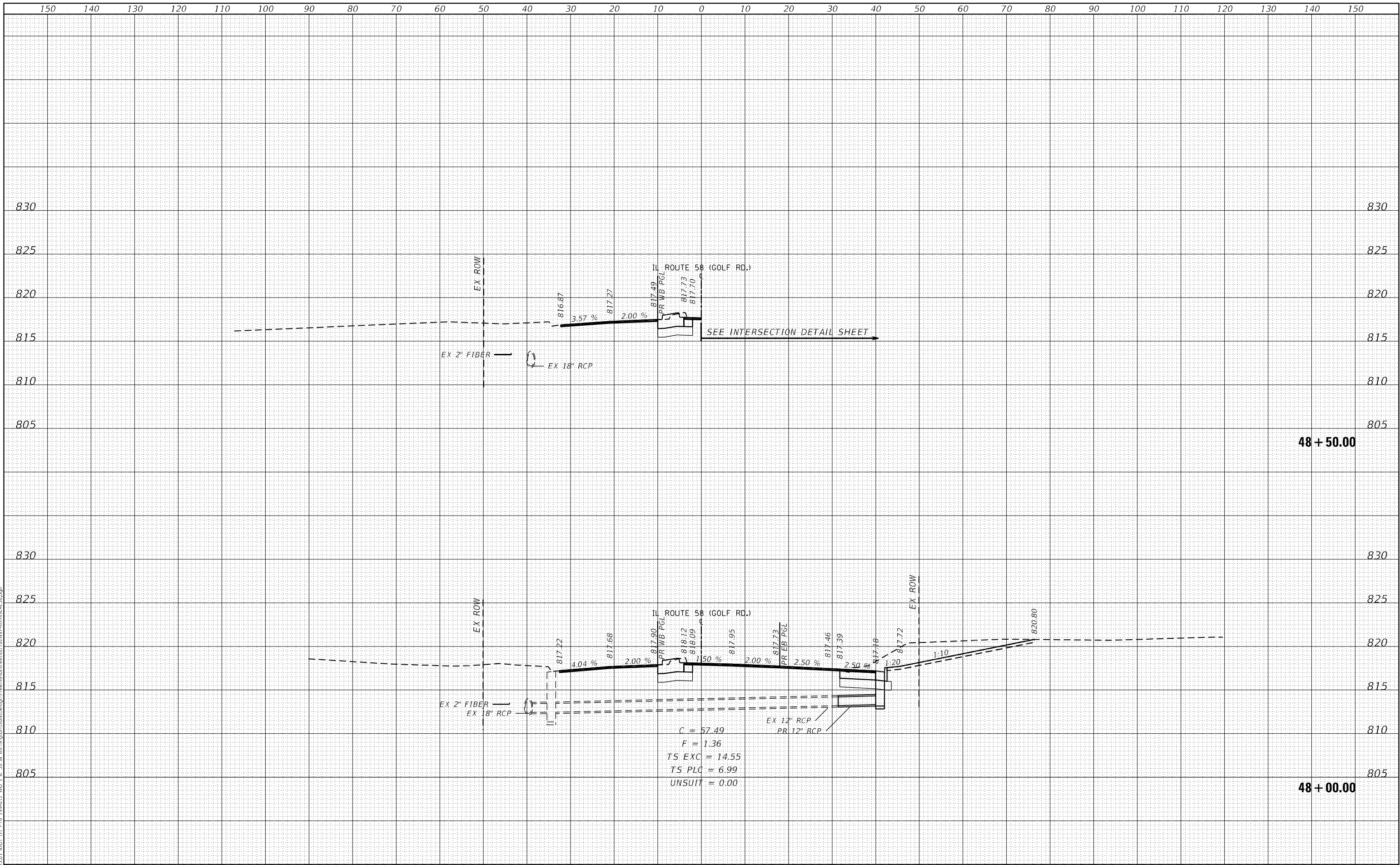
SCALE:	SHEET 18	OF 31	SHEETS	STA. 47+00.00	TO STA. 47+50.00
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FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

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

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**EFK♦Moen**  
Civil Engineering Design

USER NAME = jBerggren	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/25/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 58**  
**CROSS SECTIONS**

SCALE:	SHEET 19	OF 31	SHEETS	STA. 48+00.00	TO STA. 48+50.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	291
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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

**EFK♦Moen**  
Civil Engineering Design

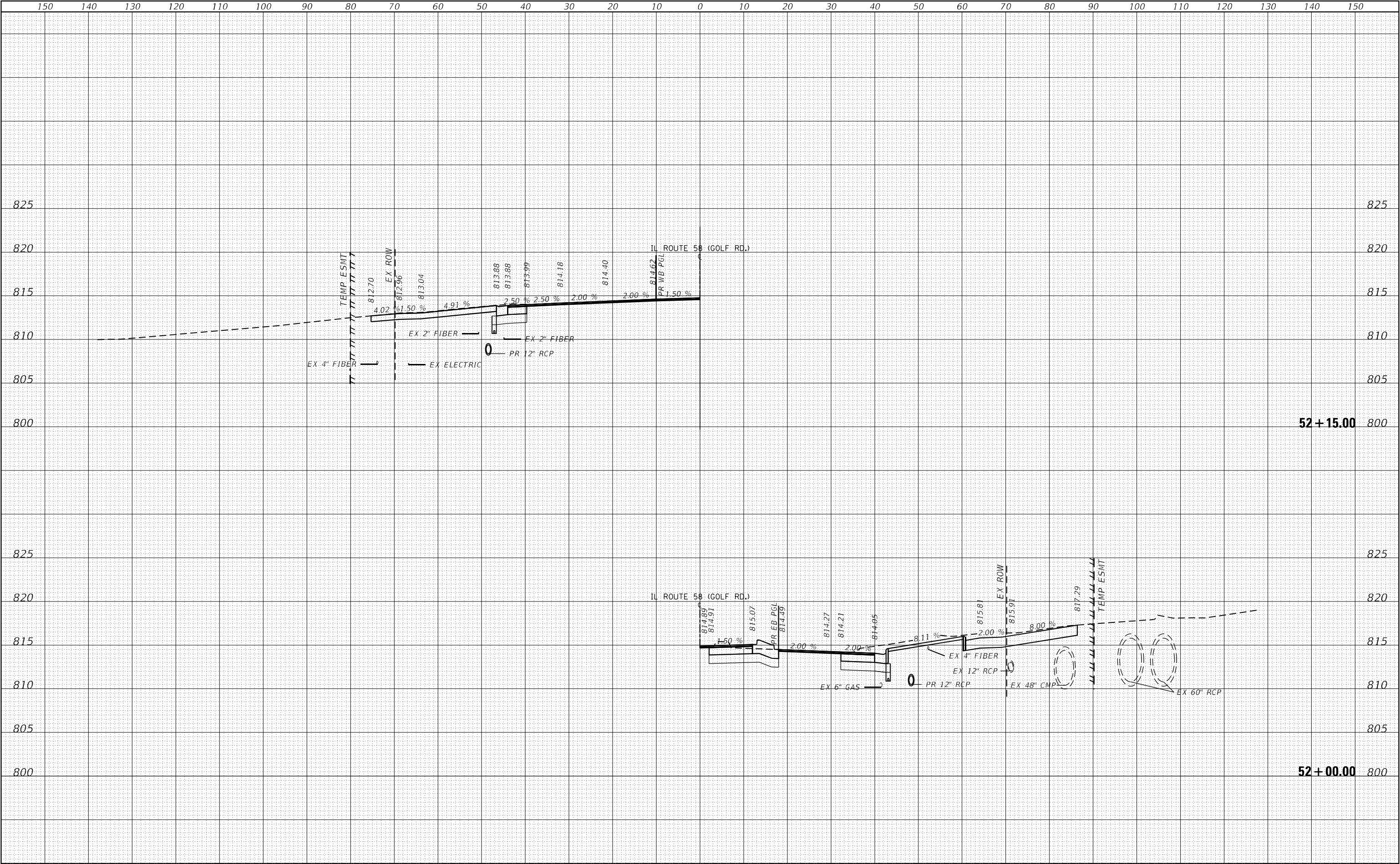
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	292
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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

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

MODEL Default  
FILE NAME: 232-035-01 DOT D1 PDB 199-012 WO IL 58 at Barrington/DND/Design/Initial/Plot/Perseid/52N97-2b-cv-cv3-56.dgn



**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 4/23/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

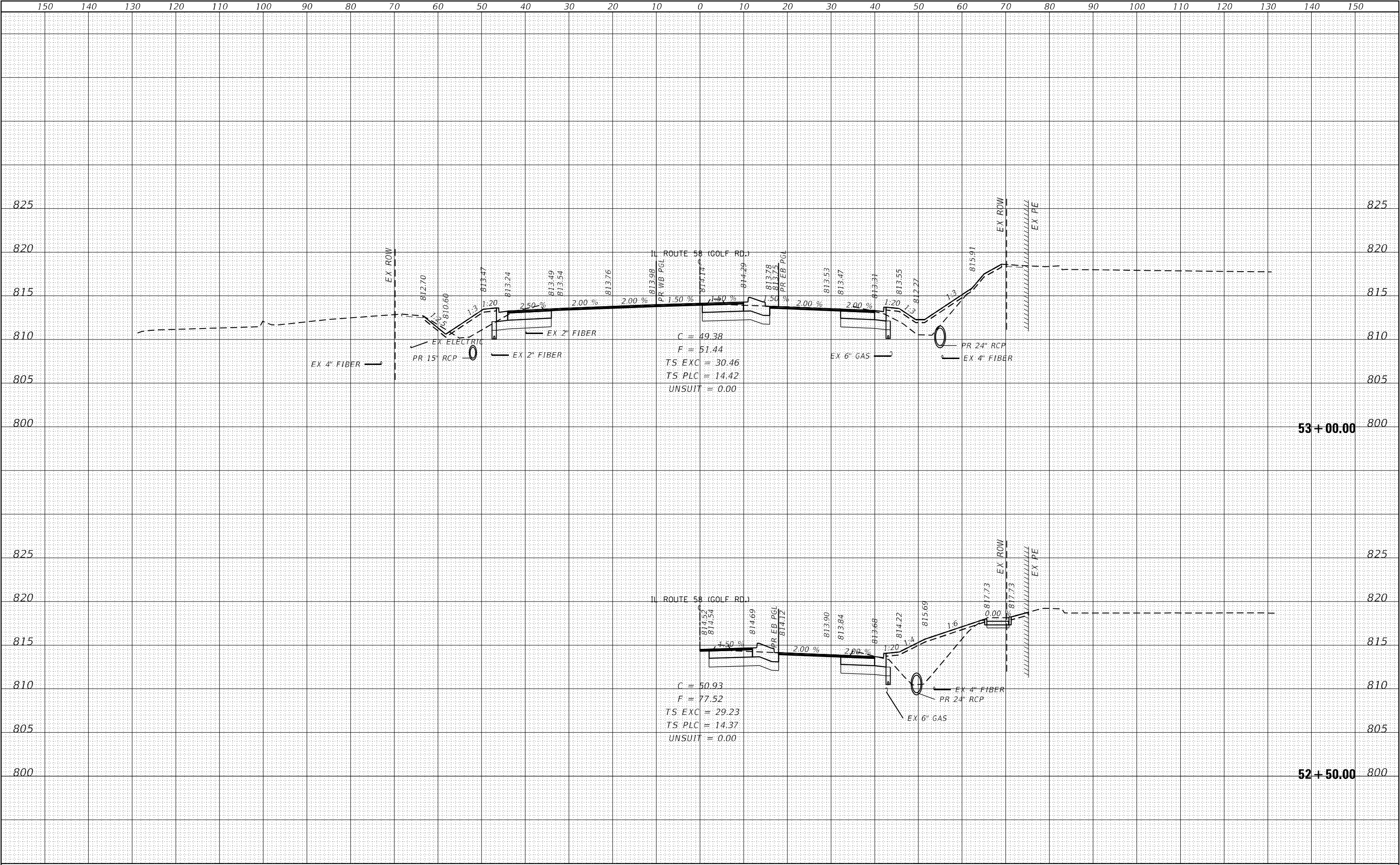
SCALE: SHEET 21 OF 31 SHEETS STA. 52+00.00 TO STA. 52+15.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	293
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default  
FILE NAME: 232-035-01.DOT D1.PFB 199-012.WD IL 58 at Barrington/Dundee Design/Initial/Plot/Revised/232-035-01.dgn



**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000' = 1"	CHECKED -	REVISED -
PLOT DATE = 4/23/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

SCALE: SHEET 22 OF 31 SHEETS STA. 52+50.00 TO STA. 53+00.00

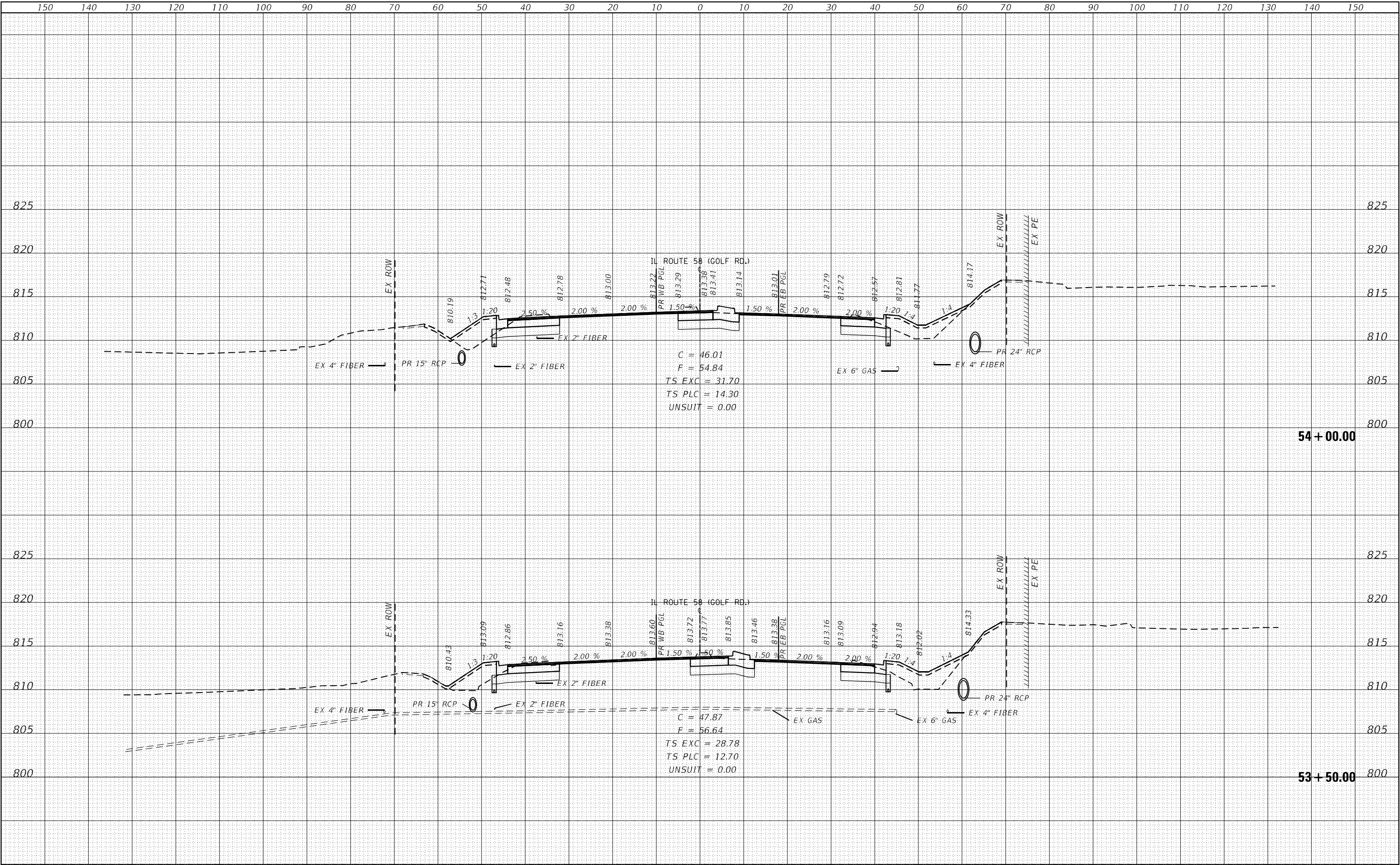
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	294
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



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

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

MODEL Default  
FILE NAME: 232-035-01 DOT D1 PDB 199-012 WO IL 58 at Barrington DCM Design\pblldot\dot\pers\JD 52497-24b-cac3-56.dgn



**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
PLOT DATE = 4/23/2025

DESIGNED -  
REVISD -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

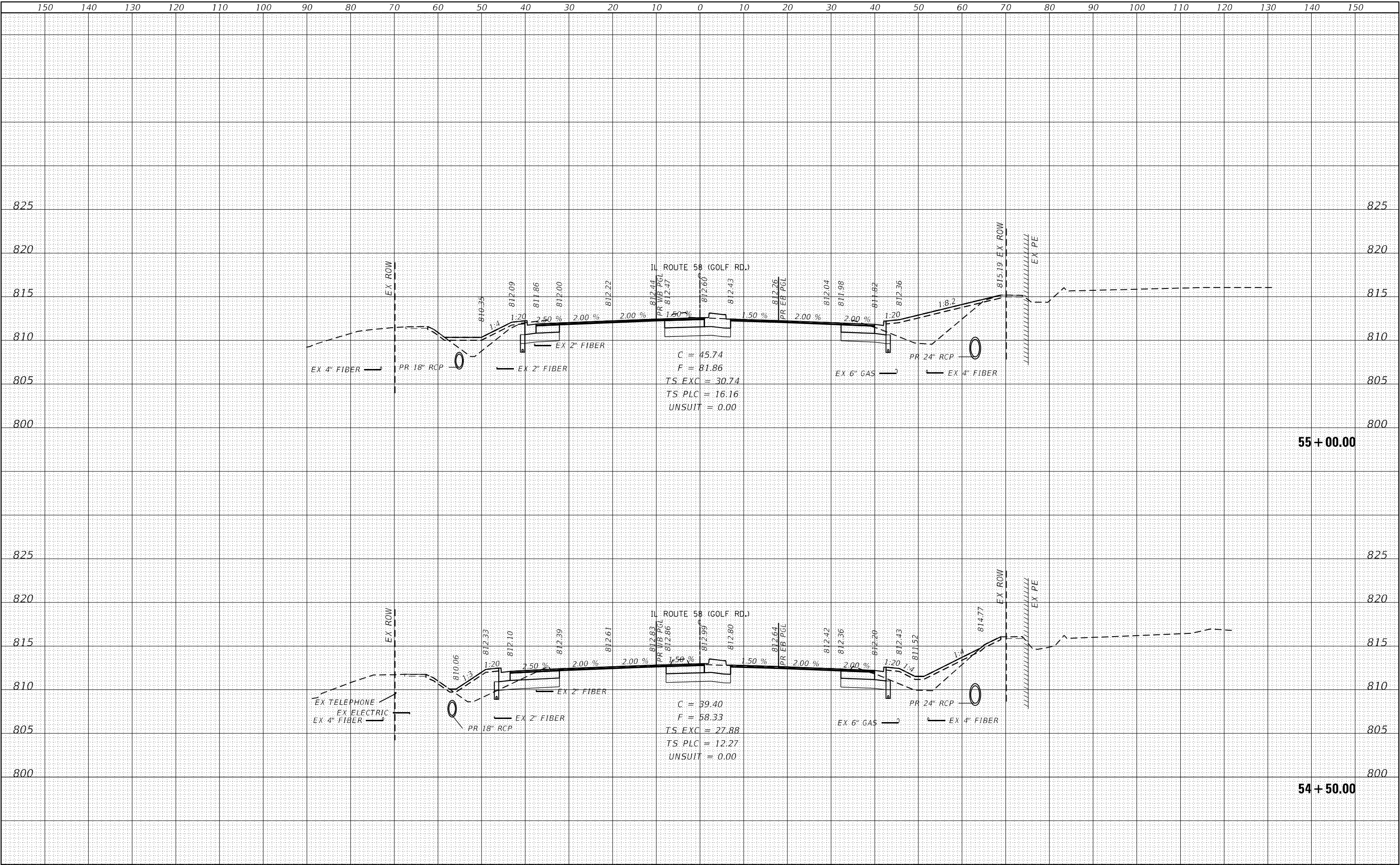
SCALE: SHEET 23 OF 31 SHEETS STA. 53+50.00 TO STA. 54+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	295
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default  
FILE NAME: 232-035-01 DOT D1 PDB 199-012 WO IL 58 at Barrington/DND/Design/Initial/Plot/Perseid/52497-24b-cac3-56.dgn



**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
PLOT DATE = 4/23/2025

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

SCALE: SHEET 24 OF 31 SHEETS STA. 54+50.00 TO STA. 55+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	296
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



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

**EFK♦Moen**  
Civil Engineering Design

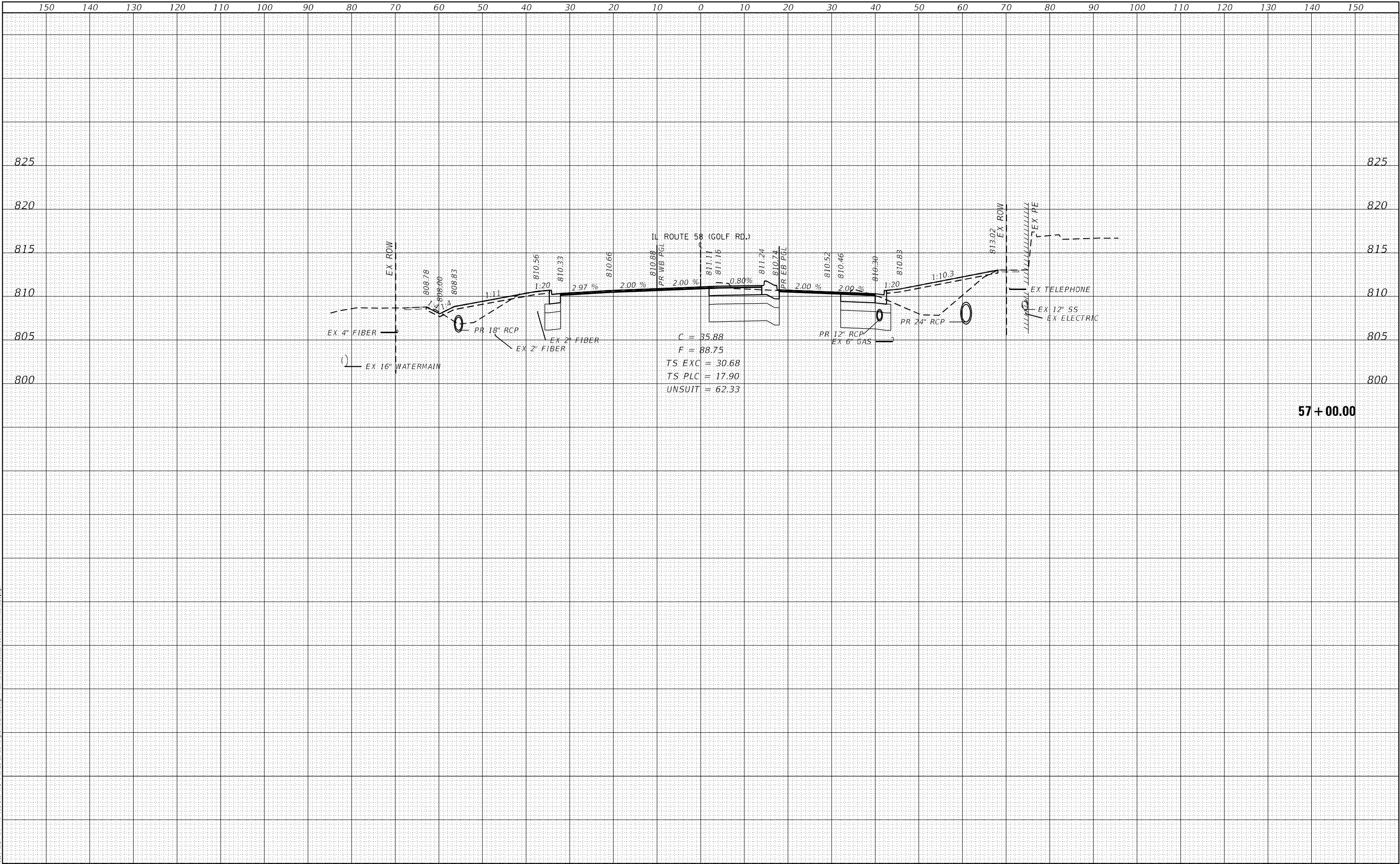
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	297
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

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

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

MODEL Default  
FILE NAME: 232-035-01.DOT D1.PFB 199-012.WO IL 58 at Barrington/Dundee Design/Initial/Plot/Print/D 152/97-24b-cac3-56.dgn

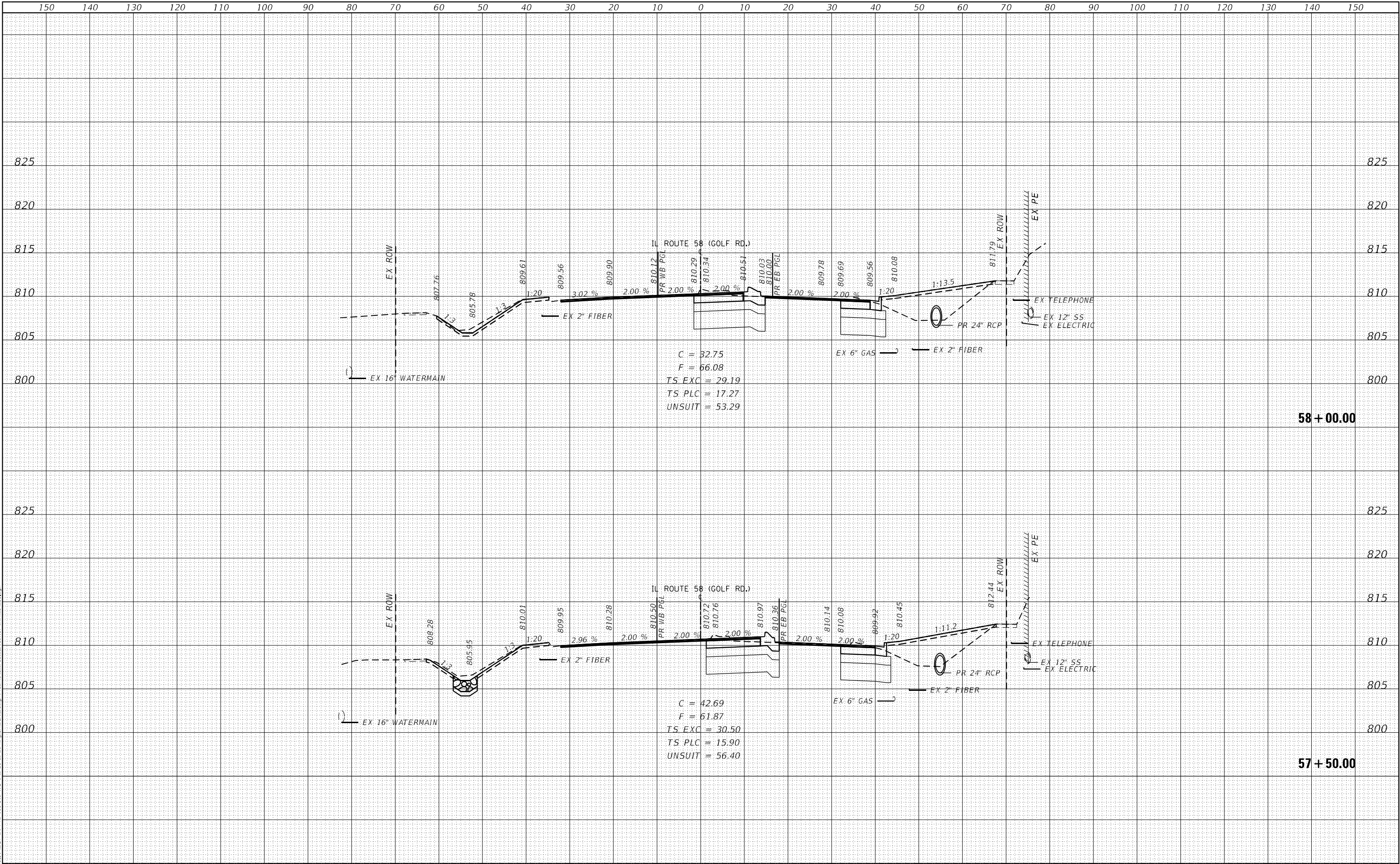


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150				150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150			
<b>EFK•Moen</b> Civil Engineering Design				<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>			
USER NAME = J.Berggren				<b>IL 58</b> <b>CROSS SECTIONS</b>			
DESIGNED -				SCALE:			
DRAWN -				SHEET 26			
PLOT SCALE = 20,0000 * / in.				OF 31 SHEETS			
CHECKED -				STA. 56+50.00			
PLOT DATE = 4/23/2025				TO STA. 57+00.00			
DATE -				ILLINOIS FED. AID PROJECT			
REVISED -				F.A.P. RTE.			
REVISED -				SECTION			
REVISED -				COUNTY			
REVISED -				COOK			
REVISED -				TOTAL SHEETS			
REVISED -				306			
REVISED -				SHEET NO.			
REVISED -				298			
REVISED -				CONTRACT NO. 62N97			

FINAL	SURVEYED	DATE
SURVEY	BY	
NOTE BOOK		
NO.		

ORIGINAL	SURVEYED	DATE
SURVEY	BY	
NOTE BOOK		
NO.		

MODEL: Default  
FILE NAME: 232-035-01.DOT D1.Plot 199-012.WD  
IL 58 at Barrington/JCND Design/Infill/lot/Ferret/D 52497-24b-cc2-56.dgn



**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 4/23/2025	DATE -	REVISED -

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

**IL 58**  
**CROSS SECTIONS**

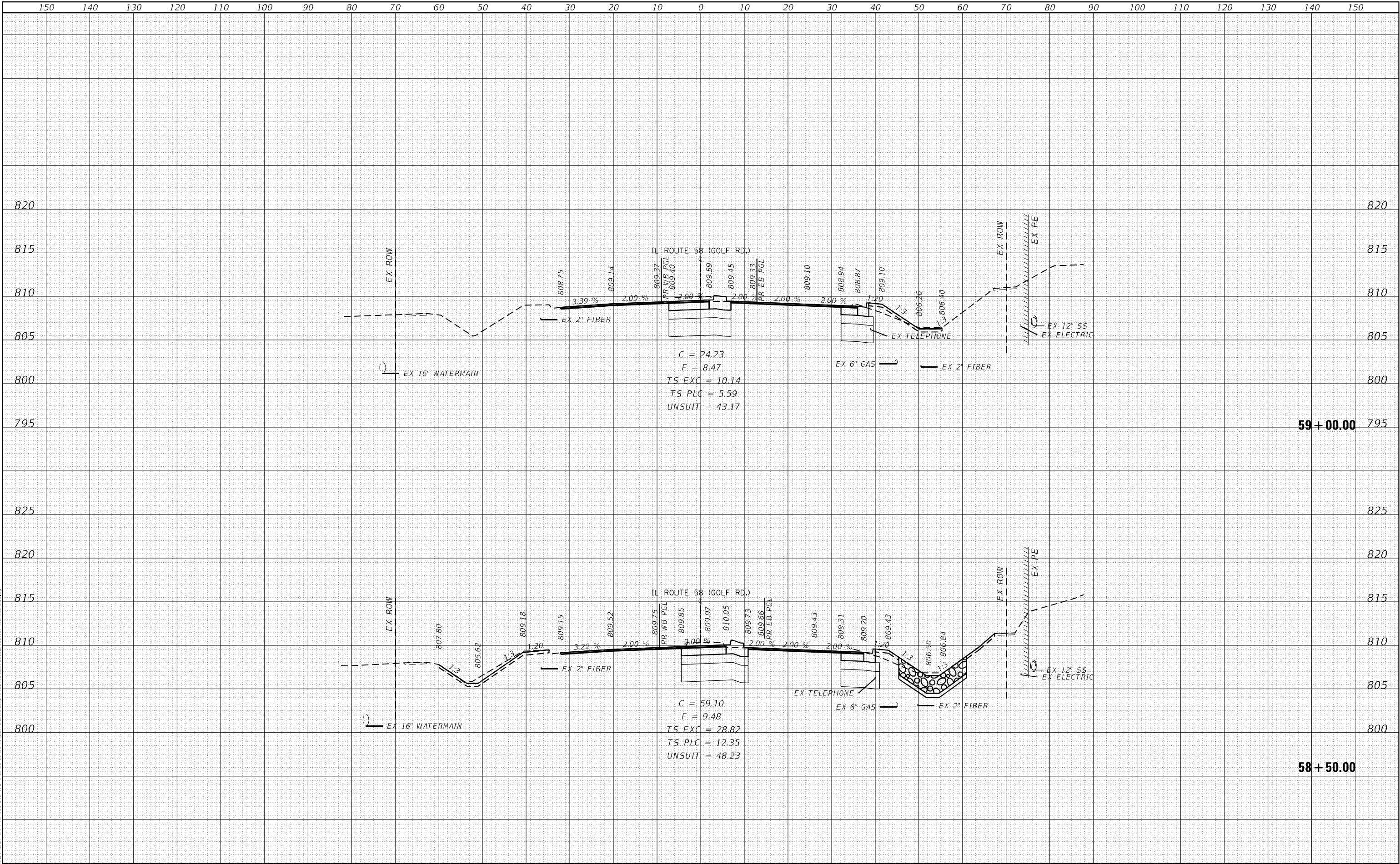
SCALE: SHEET 27 OF 31 SHEETS STA. 57+50.00 TO STA. 58+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	299
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

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

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

MODEL Default  
FILE NAME: 232-035-01 DOT D1 PDB 199-012 WO IL 58 at Barrington DCM Design (Initial) Plot File: 52497-24b-cs3-56.dgn



**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000' = 1"	CHECKED -	REVISED -
PLOT DATE = 4/23/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

SCALE: SHEET 28 OF 31 SHEETS STA. 58+50.00 TO STA. 59+00.00

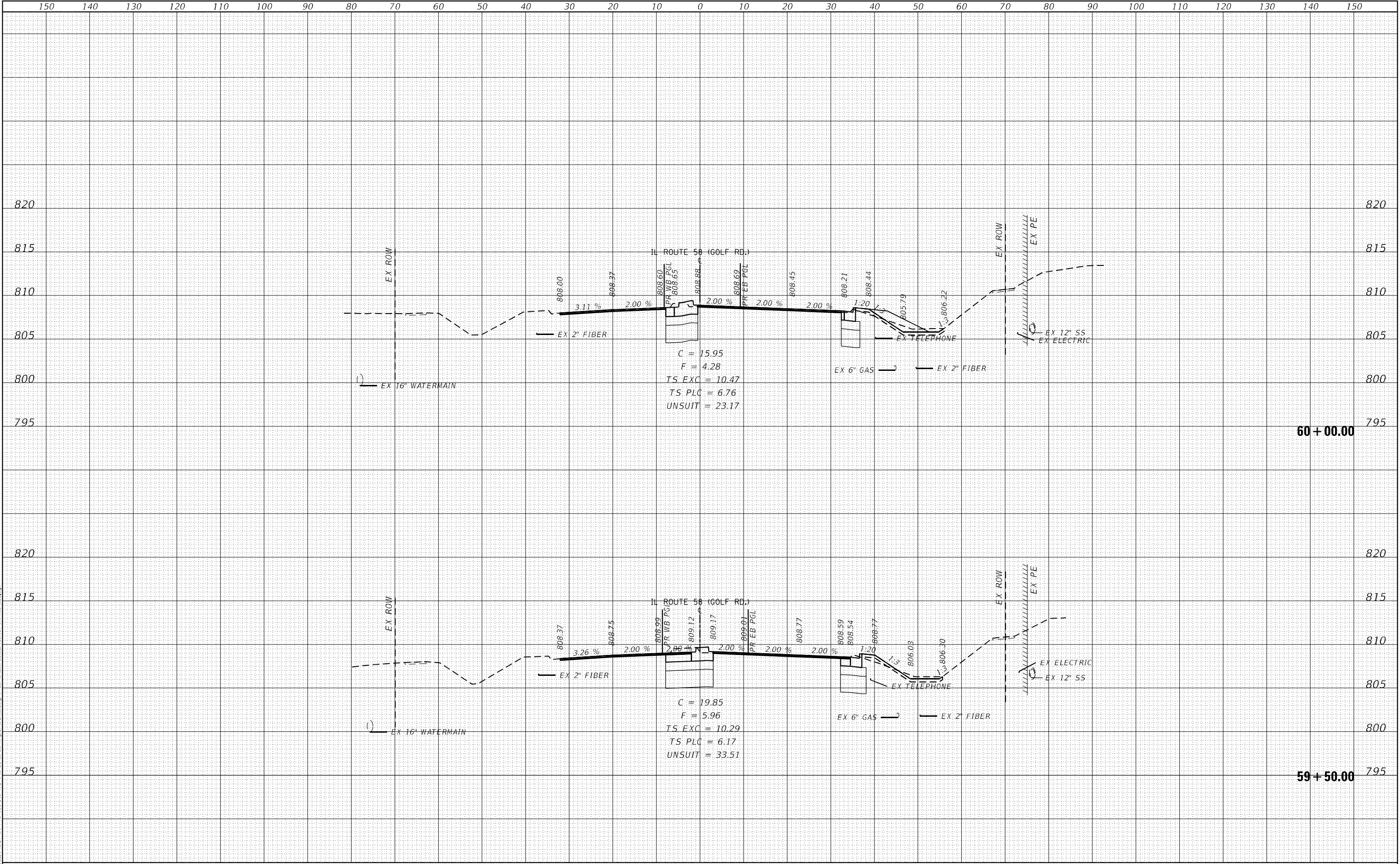
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	300
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



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

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

MODEL Default  
FILE NAME: 232-035-01 DOT D1 PDB 199-012 WO IL 58 at BarringtonJCDDesign\Public\dotFiles\DOT 52497-24b-cd-3-16.dgn



**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
CHECKED -  
PLOT DATE = 4/23/2025  
DATE -

DESIGNED -  
REVISED -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

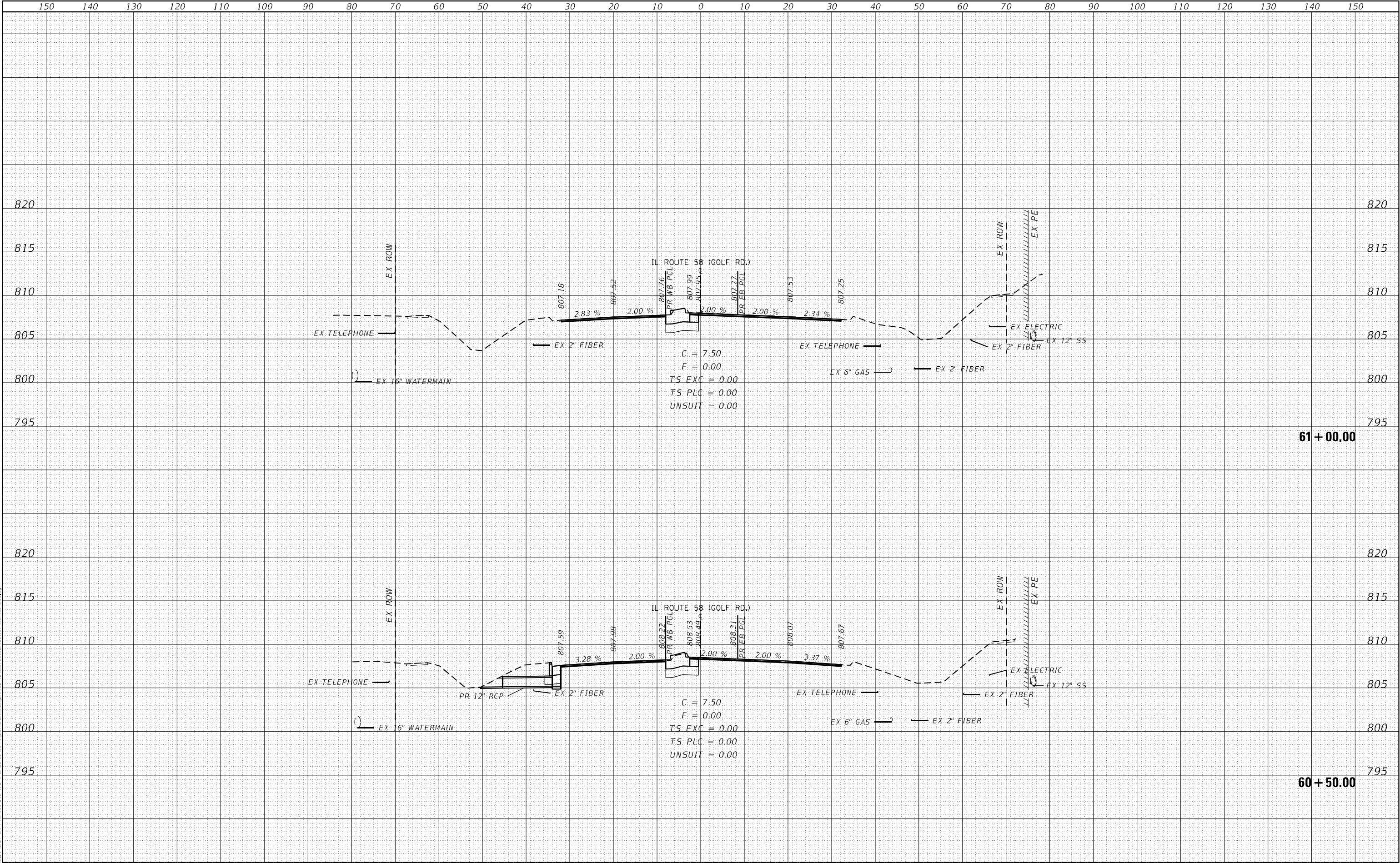
SCALE: SHEET 29 OF 31 SHEETS STA. 59+50.00 TO STA. 60+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	301
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				

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

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

MODEL Default  
FILE NAME: 232-035-01 DOT D1 PDB 199-012 WO IL 58 at Barrington DCN Design\pbl\dot\dot\Perseid\232097.dwg-cac3-16.dgn



**EFK•Moen**  
Civil Engineering Design

USER NAME = J.Berggren  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
CHECKED -  
PLOT DATE = 4/23/2025  
DATE -

DESIGNED -  
REVIS  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 58  
CROSS SECTIONS

SCALE: SHEET 30 OF 31 SHEETS STA. 60+50.00 TO STA. 61+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	302
CONTRACT NO. 62N97				
ILLINOIS FED. AID PROJECT				



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

**EFK♦Moen**  
Civil Engineering Design

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
559	2021-060-SW-TS&N	COOK	306	303
		CONTRACT NO. 62N97		
ILLINOIS		FED. AID PROJECT		

MODEL: Default  
FILE NAME: Z:\1035.01 IDOT D1 PTB 199-012.W0 1 IL 58 at Barrington\DGN\Design\Prelim\Plotsheets\162N07-shi-xsc-barrington.dgn

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

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

**EFK•Moen**  
Civil Engineering Design

USER NAME = jbeigien	DESIGNED -
PLOT SCALE = 20.0000' = 1"	DRAWN -
PLOT DATE = 4/25/2025	CHECKED -
	DATE -

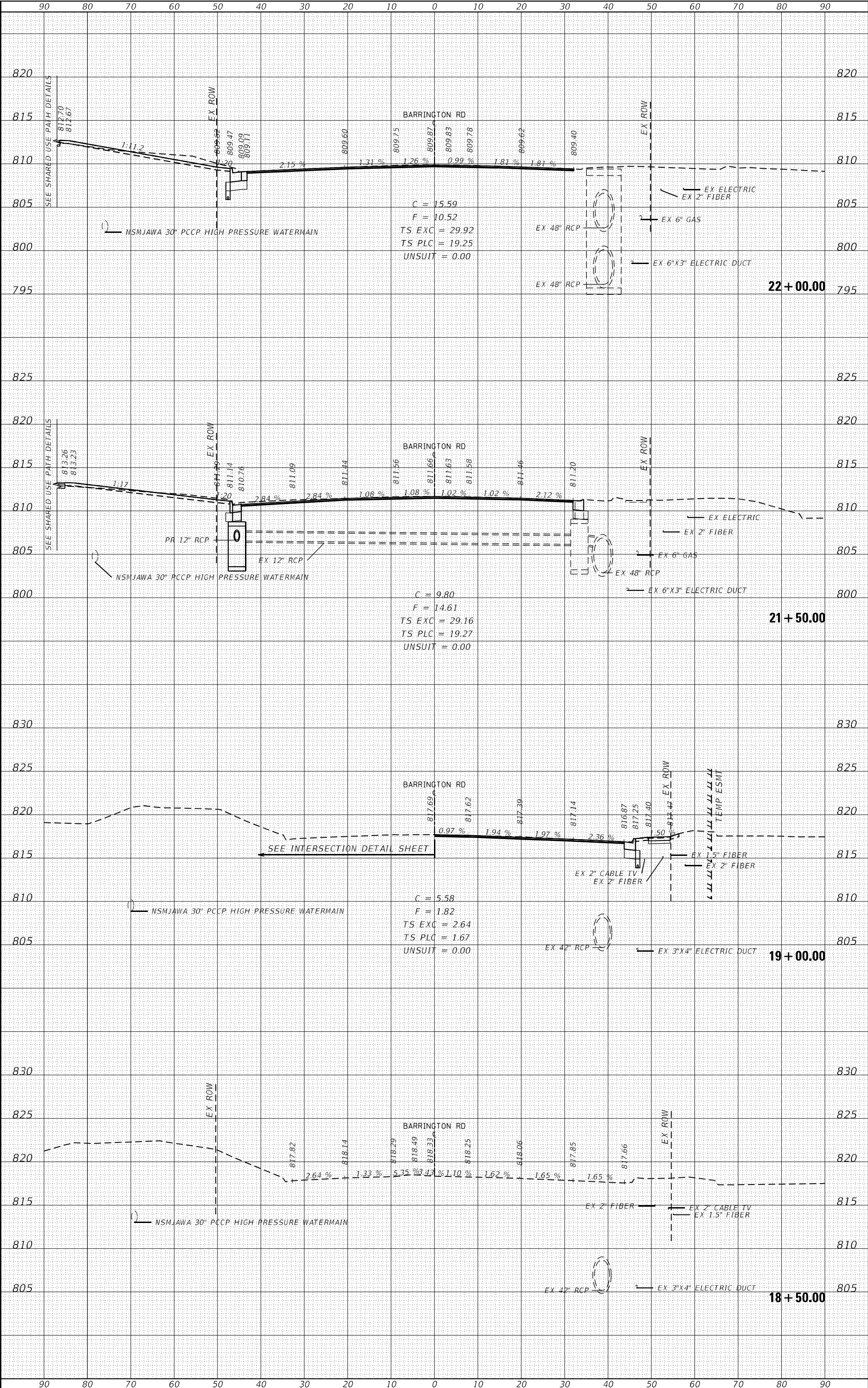
REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -

REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -

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

SCALE:	SHEET 1	OF 3	SHEETS	STA. 18+50.00	TO STA. 22+00.00
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<b>BARRINGTON RD</b>	<b>CROSS SECTIONS</b>
F&B ATE. 559	SECTION 2021-060-SW-TS&N
COUNTY COOK	TOTAL SHEET SHEETS NO. 306
CONTRACT NO. 62N97	304



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

MODEL: Default  
FILE NAME: Z:\21035.01 IDOT D1 PTB 199-012 WO 1 IL 58 at Barrington\DGN\Design\Prelim\Plotsheets\162H07-shi-xsc-barrington.dgn

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

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

**EFK•Moen**  
Civil Engineering Design

USER NAME = jbeigien	DESIGNED -
PLOT SCALE = 20.0000' = 1"	DRAWN -
PLOT DATE = 4/23/2023	CHECKED -
	DATE -

REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 3 OF 3 SHEETS	STA. 24+50.00 TO STA. 25+00.00
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F&B ATE. 559	SECTION 2021-060-SW-TS&N	COUNTY COOK	TOTAL SHEET SHEETS 306
ILLINOIS	FED. AID PROJECT	CONTRACT NO. 62N97	

