

FOR INDEX OF SHEETS, SEE SHEET NO. 2

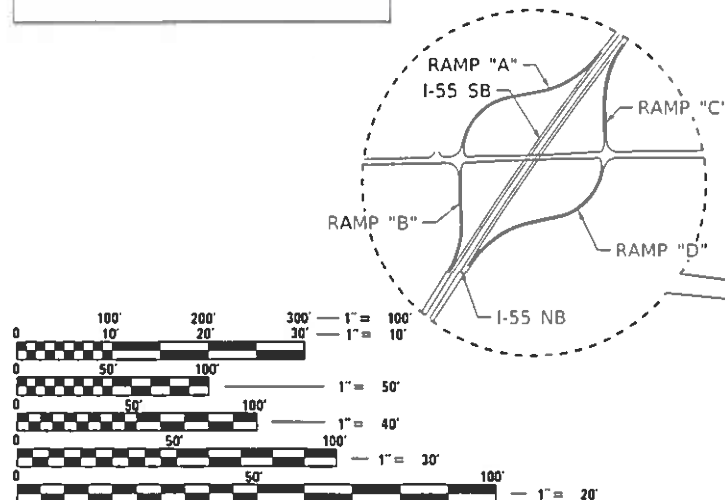
TRAFFIC DATA

	2019 ADT
I-55 SOUTH OF IL 113	23,900
I-55 NORTH OF IL 113	31,000
I-55 SB EXIT RAMP "A"	4,400
I-55 SB ENTRANCE RAMP "B"	700
I-55 NB ENTRANCE RAMP "C"	3,300
I-55 NB EXIT RAMP "D"	600

HIGHWAY FUNCTIONAL CLASSIFICATION

I-55 (STEVENSON EXPRESSWAY)	INTERSTATE
IL RTE 113 (W COAL CITY RD)	MINOR ARTERIAL
IL RTE 113 (E COAL CITY RD)	PRINCIPAL ARTERIAL

PROJECT IS LOCATED IN:
CITY OF BRAIDWOOD
VILLAGE OF DIAMOND



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

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

MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL
MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL
EQUIPMENT AND UNDERGROUND CABLES
773-287-7672

PROJECT MANAGER: DARYLE DREW (847) 705-4424
PROJECT ENGINEER: TONY GODINHO (847) 705-4442

CONTRACT NO. 62K55

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

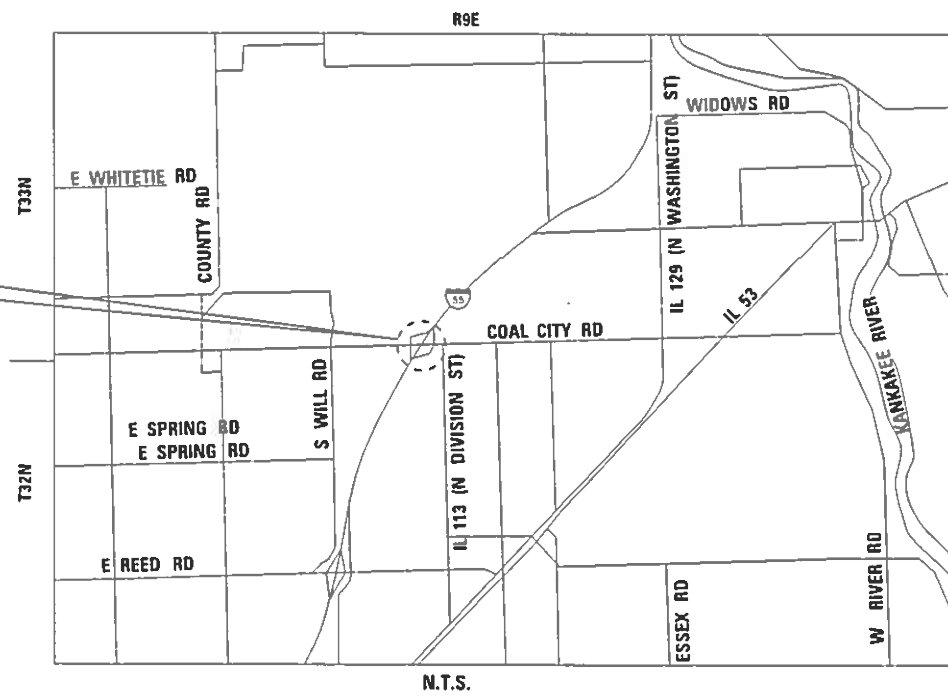
**PROPOSED
HIGHWAY PLANS**

**I-55 (STEVENSON EXPRESSWAY)
AT IL RTE 113 (COAL CITY RD)
SECTION 2019-182-L
PROJECT**

HIGH MAST LIGHTING REPLACEMENT

WILL COUNTY

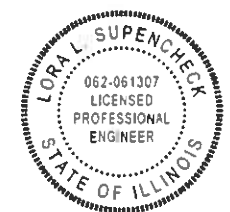
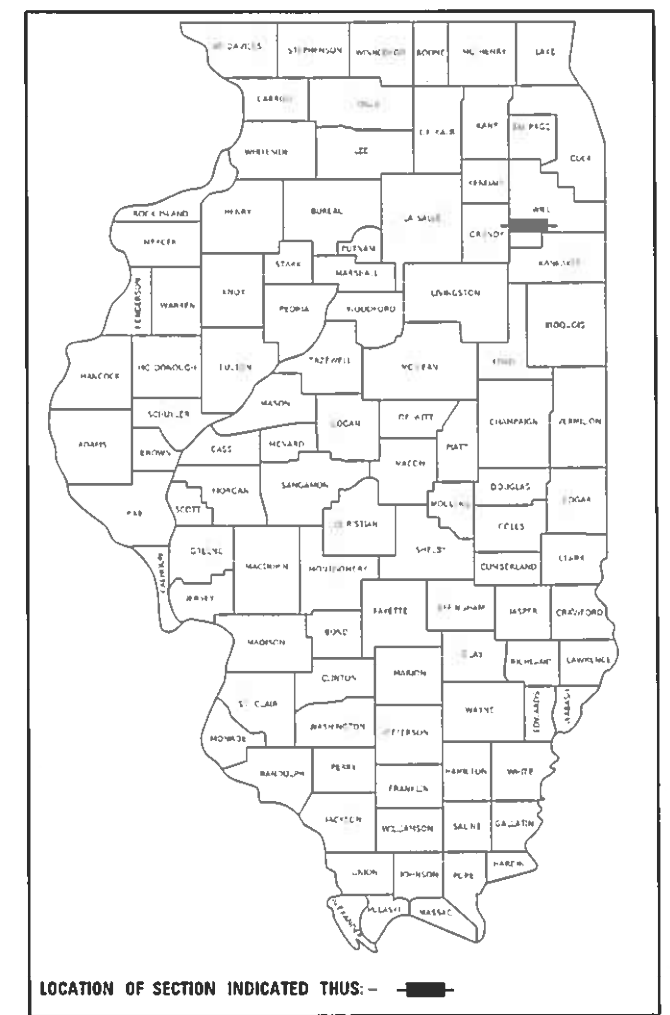
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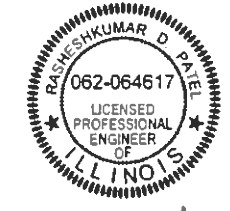
GROSS LENGTH = 6,830 FT. = 1.293 MILE
NET LENGTH = 6,830 FT. = 1.293 MILE

FINAL SUBMITTAL
MARCH 19, 2020

F.A.I. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	1
		ILLINOIS	CONTRACT NO. 62K55	



Lora Supencheck
3/19/2020
LORA L. SUPENCHECK, P.E. DATE
LICENSE NO.: 062-061307
EXPIRES: 11-30-2021
SHEETS:



R.D. Patel
3/19/2020
RASHESHKUMAR D. PATEL, P.E. DATE
LICENSE NO.: 062-064617
EXPIRES: 11-30-2021
SHEETS:

SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

230 WEST MONROE STREET
SUITE 1400
CHICAGO, IL 60606
(312) 629-0240
ILLINOIS PROFESSIONAL DESIGN FIRM
REGISTRATION NO. 184001139-002

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *March 20, 2020*
Anthony J. Quigley Sr. REGIONAL ENGINEER
May 8, 2020
Joe E.A. Elk ENGINEER OF DESIGN AND ENVIRONMENT
May 8, 2020
James J. Gu 13
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NUMBERS	DRAWING NUMBERS	DESCRIPTION
1		COVER
2	GEN-01	INDEX OF SHEETS, HIGHWAY STANDARDS, DISTRICT ONE DETAILS AND GENERAL NOTES
3	SOQ-01	SUMMARY OF QUANTITIES
4	SOQ-02	SUMMARY OF QUANTITIES
5	SOQ-03	SUMMARY OF QUANTITIES
6	TLC-01	TOWER REPLACEMENT LOCATION
7	C-01	CIVIL SITE PLAN
8	C-02	CIVIL SITE PLAN
9	C-03	CIVIL SITE PLAN
10	C-04	CIVIL SITE PLAN
11	LT-01	LIGHTING LEGEND AND GENERAL NOTES
12	LT-02	REMOVAL LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY) AT IL RTE 113 (COAL CITY RD) INTERCHANGE
13	LT-03	REMOVAL LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY) AT IL RTE 113 (COAL CITY RD) INTERCHANGE
14	LT-04	REMOVAL LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY) AT IL RTE 113 (COAL CITY RD) INTERCHANGE
15	LT-05	REMOVAL LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY) AT IL RTE 113 (COAL CITY RD) INTERCHANGE
16	LT-06	PROPOSED LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY) AT IL RTE 113 (COAL CITY RD) INTERCHANGE
17	LT-07	PROPOSED LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY) AT IL RTE 113 (COAL CITY RD) INTERCHANGE
18	LT-08	PROPOSED LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY) AT IL RTE 113 (COAL CITY RD) INTERCHANGE
19	LT-09	PROPOSED LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY) AT IL RTE 113 (COAL CITY RD) INTERCHANGE
20	LT-10	EXISTING UNDERPASS REMOVAL PLAN I-55 AT IL RTE 113 (COAL CITY RD)
21	LT-11	PROPOSED UNDERPASS LIGHTINGPLAN I-55 AT IL RTE 113 (COAL CITY RD)
22	LT-12	LIGHTING CONTROLLER "Y" WIRING DIAGRAM
23 - 27	LT-13 TO LT-17	LIGHTING AS-BUILT INFORMATION
28 - 29	LT-18 TO LT-19	VILLAGE OF DIAMOND AS-BUILT INFORMATION
30	LT-20	LIGHTING DETAILS
31 - 40	SD-01 TO SD-10	IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS
41 - 45	SD-11 TO SD-15	IDOT D1-TRAFFIC CONTROL STANDARDS

IDOT DISTRICT ONE STANDARD DETAILS

STANDARD NO.	TITLE
BE-206	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION
BE-220	ELECTRIC SERVICE INSTALLATION SERVICE, REMOTE DISCONNECT
BE-305	LIGHT POLE FOUNDATION, METAL
BE-410	DAVIT LIGHT POLE 47'-6" MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-903	PIER/ABUTMENT MOUNTED LED UNDERPASS LUMINAIRE INSTALLATION DETAILS
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROAD, INTERSECTIONS AND DRIVEWAYS
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-22	ARTERIAL INFORMATION SIGN

HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS 45 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS 45 MPH TO 55 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
- A MINIMUM OF SEVENTY-TWO HOURS PRIOR TO ANY PLACEMENT OR RELOCATION OF MAINTENANCE OF TRAFFIC DEVICES, CONTACT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AND CARLOS.MUNOZ@ILLINOIS.GOV.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITIES IN ADVANCE OF WORKING IN THE VICINITY OF THEIR FACILITIES, AND ALLOW SUFFICIENT TIME FOR THEM TO PREFORM ADJUSTMENTS TO THEIR FACILITIES IN ACCORDANCE WITH THE CONTRACTOR'S SCHEDULE. COORDINATION EFFORTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT BID PRICE.
- THE CONTRACTOR MUST CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, RESIDENTIAL AND ADJOINING COMMERCIAL AREAS.
- BARRICADES: TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS, IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.0.1 AND 1 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

GEN-01

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	DRAWN - UCM	REVISED -
PLOT SCALE = 2' / in.	CHECKED - RP	REVISED -
PLOT DATE = 3/20/2020	DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS, DISTRICT ONE
STANDARD DETAILS AND GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	2
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				0005	0021
				WILL	WILL
20101000	TEMPORARY FENCE	FOOT	1,285	1,285	-
20400800	FURNISHED EXCAVATION	CU YD	15	15	-
25000210	SEEDING, CLASS 2A	ACRE	0.8	0.8	-
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	72	72	-
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	72	72	-
25100630	EROSION CONTROL BLANKET	SQ YD	3,853	3,853	-
28000400	PERIMETER EROSION BARRIER	FOOT	4,750	4,750	-
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	13	13	-
67100100	MOBILIZATION	L SUM	1	1	-
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	585	585	-
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	-
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	-
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	-
* 66901006	REGULATED SUBSTANCES MONITORING	DAYS	180	180	-
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	-
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	-	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	-	1

* SPECIALTY ITEM

REV-SEP
S00-01

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PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K55	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				0005	0021
			URBAN	WILL	WILL
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,031	-	1,031
81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	100	-	100
81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	140	-	140
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	4	-	4
81300800	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	2	-	2
81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2	-	2
81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	17,415	-	17,415
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	120	-	120
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	150	-	150
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	300	-	300
81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	50	-	50
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	64	-	64
82110021	LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION D	EACH	4	-	4
82500420	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL)	EACH	1	-	1
83050825	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	64	-	64
83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	64	-	64
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	64	-	64

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PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	4
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

REV-SEP
S00-02

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	100% STATE
				0005	0021
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	15	-	15
84200804	REMOVAL OF POLE FOUNDATION	EACH	15	-	15
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	-	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	-	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1	-	1
X1400273	REMOVAL OF EXISTING TOWER LUMINAIRE, NO SALVAGE	EACH	50	-	50
X1400341	REMOVAL OF LUMINARIE, SALVAGE	EACH	15	-	15
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	-
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	-
X8420111	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	4	-	4
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	13	-	13
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	13	-	13
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	-	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	100	100	-
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	64	-	64
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	13	-	13
Ø Z0076604	TRAINEES- TRAINING PROGRAM GRADUATE	HOUR	500	500	

URBAN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	5
CONTRACT NO. 62K55			ILLINOIS FED. AID PROJECT	

Ø 0042
REV-SEP
S0Q-03

LIGHT TOWER REPLACEMENT INFORMATION

LIGHTING CONTROLLER "L" NUMBER	LIGHTING CONTROLLER CABINET DESIGNATION	MAIN ROUTE	CROSS ST.	LOCATION IN CITY/VILLAGE	COUNTY	LIGHT TOWER STRUCTURE NUMBER	LATITUDE	LONGITUDE	EXISTING TOWERS TO BE REMOVED NO SALVAGE	EXISTING FOUNDATION TO BE REMOVED	EXISTING TOWER HEIGHT (FT)	PROPOSED TOWER HEIGHT (FT)	PROPOSED RECOMMENDED FOUNDATION DEPTH (FT)	PROPOSED FOUNDATION DIAMETER (INCHES)	EXISTING LUMINAIRE VOLTAGE	EXISTING HIGHMAST HPS LUMINAIRE NO SALVAGE (QUANTITY - WATTAGE)	PROPOSED HIGHMAST LUMINAIRES (QUANTITY - LED TYPE)	PROPOSED WORK INFO
L0380	Y	I-55	IL 113 (COAL CITY RD.)	BRAIDWOOD/DIAMOND	WILL	4YAB1	41.288701	-88.229635	X	X	110	N/A	N/A	N/A	240	4-400W	N/A	REPLACE WITH NEW POLES, FOUNDATIONS, T-BASES & LED ROADWAY LUMINAIRES 4000K
						4YCD4	41.286689	-88.232903	X	X	100				240	4-400W		
						4YGH7	41.289248	-88.230639	X	X	100				240	4-400W		
						4YIJ1	41.289112	-88.233101	X	X	110				240	4-400W		
						3YGH8	41.292494	-88.228169	X	X	120				240	3-400W		
						5YGH4	41.290246	-88.230600	X	X	120				240	5-400W		
						5YEF1	41.288649	-88.232075	X	X	120				240	5-400W		
						3YEF4	41.286147	-88.234337	X	X	120				240	3-400W		
						3YEF5	41.284347	-88.235753	X	X	120				240	3-400W		
						3YCD5	41.284960	-88.234409	X	X	120				240	3-400W		
						5YCD3	41.287430	-88.232318	X	X	120				240	5-400W		
						4YGH1	41.289261	-88.230647	X	X	120				240	4-400W		
3YMN3	41.291402	-88.228407	X	X	120	240	3-400W											

EXISTING POLES								PROPOSED WORK INFO
TOTAL POLE	TOTAL LUMINAIRE	QUANTITY OF LUMINAIRES						
POLE QUANTITY	LUMINAIRE QUANTITY	HPS 100W	150W	200W	250W	310W	400W	REPLACE WITH NEW POLES, FOUNDATIONS, T-BASES & LED LUMINAIRES
15	15					13	2	

UNDERPASS	
EXISTING LPS	PROPOSED WORK INFO
4-55W	REPLACE WITH LED LUMINAIRES 4000K

CONTROLLER	LOCATION	LATITUDE	LONGITUDE	SUPPLY VOLTAGE	PROPOSED WORK INFO
Y, L0380	I-55 AT IL 113	41.288868	-88.228942	240 / 480	REPLACE WITH NEW CONTROLLER

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TOWER REPLACEMENT LOCATION

SCALE: SHEET OF SHEETS STA. TO STA.

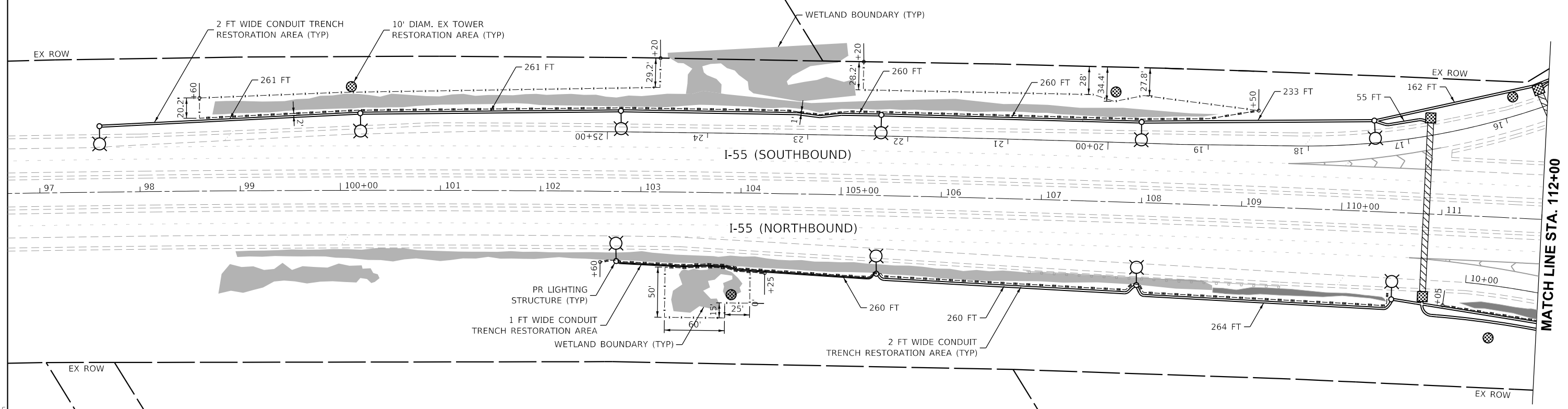
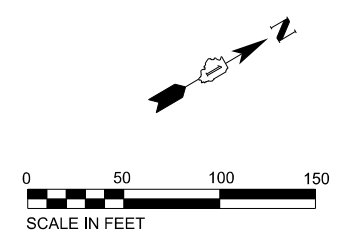
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	6
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

TLC-01

PAY ITEM	DESCRIPTION	QTY	UNIT
20101000	TEMPORARY FENCE	1,285	FOOT
20400800	FURNISHED EXCAVATION	15	CU YD
25000210	SEEDING, CLASS 2A	0.80	ACRE
25000400	NITROGEN FERTILIZER NUTRIENT	72	LBS
25000600	POTASSIUM FERTILIZER NUTRIENT	72	LBS
25100630	EROSION CONTROL BLANKET	3,853	SQ YD
28000400	PERIMETER EROSION BARRIER	4,750	FOOT
X7010216	TRAFFIC CONTROL AND PROTECTION, SPECIAL	1	L SUM

NOTES

- ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR ANY DISTURBANCE AND RELATED RESTORATION OUTSIDE OF THE AREAS SHOWN IN THE PLANS.
- RESTORATION AREAS INCLUDE THE DISTURBANCE TO THE EARTH BASED ON WORK REQUIRED TO INSTALL THE PROPOSED UNIT DUCT (2 FT WIDE AND 3 FT DEPTH TRENCH; UNLESS OTHERWISE NOTED), BORE PITS EXCAVATION (3 FT DEPTH), EXISTING TOWER RESTORATION, OR EXCAVATION FOR THE PROPOSED LIGHTING CONTROLLER (DEPTH PER IDOT D1 STANDARD). RESTORATION AREAS INCLUDE SEEDING, NUTRIENTS, AND EROSION CONTROL BARRIER AS REQUIRED.
- CONTRACTOR TO ABIDE TO IDOT STANDARD 701701 FOR WORK AT THE RAMPS AND IL ROUTE 113.
- FURNISHED EXCAVATION TO BE USED TO FILL THE HOLES CREATED BY THE REMOVAL OF THE EXISTING TOWERS AND LIGHTING CONTROLLER.



LEGEND

- 10' DIAM. RESTORATION AREA
- 2' WIDE RESTORATION AREA (UNLESS OTHERWISE NOTED)
- CONDUIT DIRECT BORE
- 10'x10' BORING PIT (UNLESS OTHERWISE NOTED)
- PR LIGHTING UNIT
- TEMPORARY FENCE
- TEMPORARY FENCE & PERIMETER EROSION BARRIER

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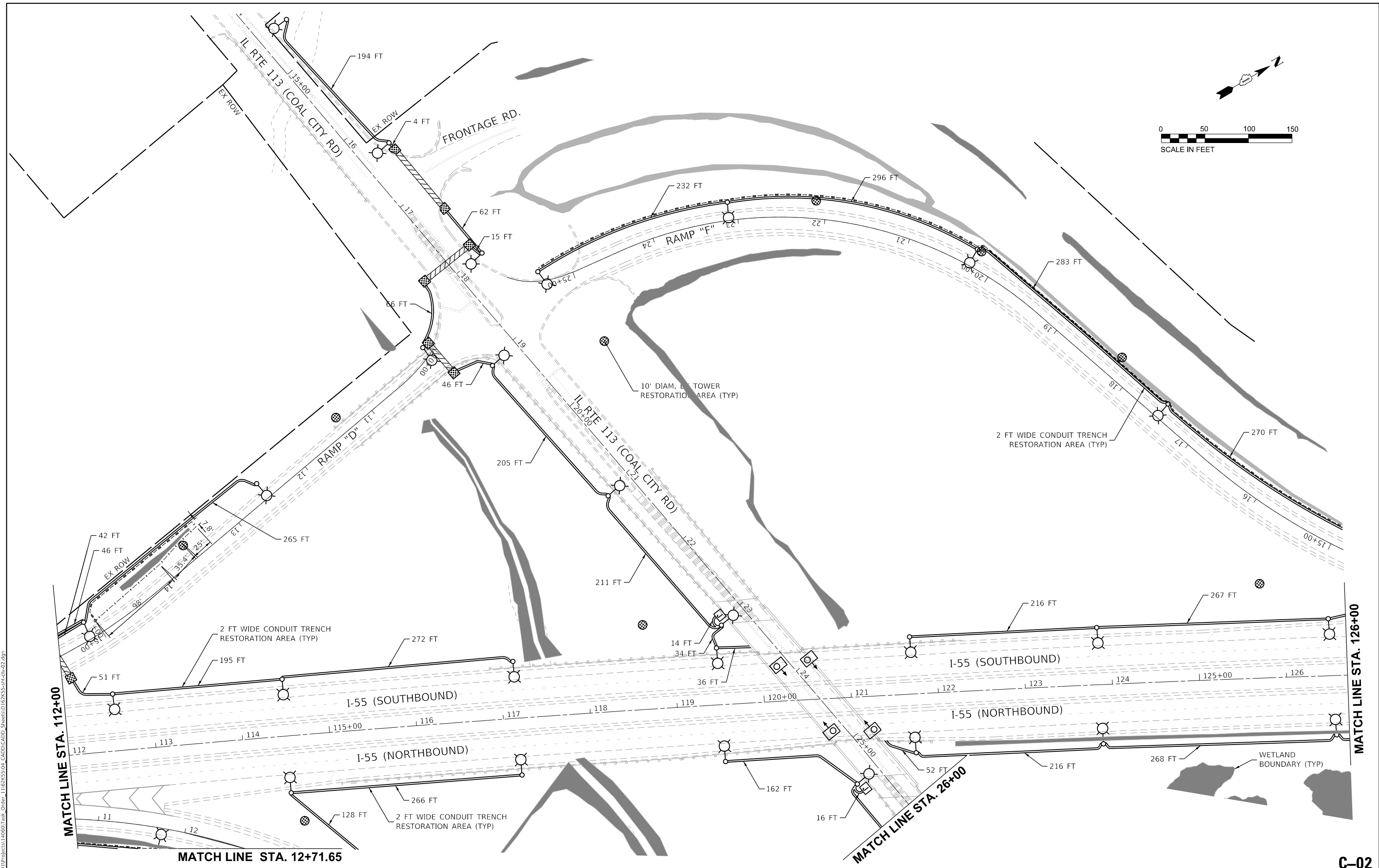
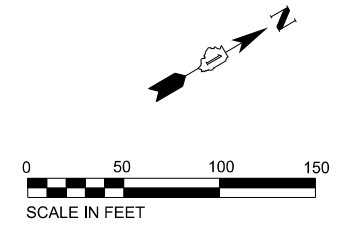
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CIVIL SITE PLAN (SHEET 1 OF 4)
I-55**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K55	

C-01



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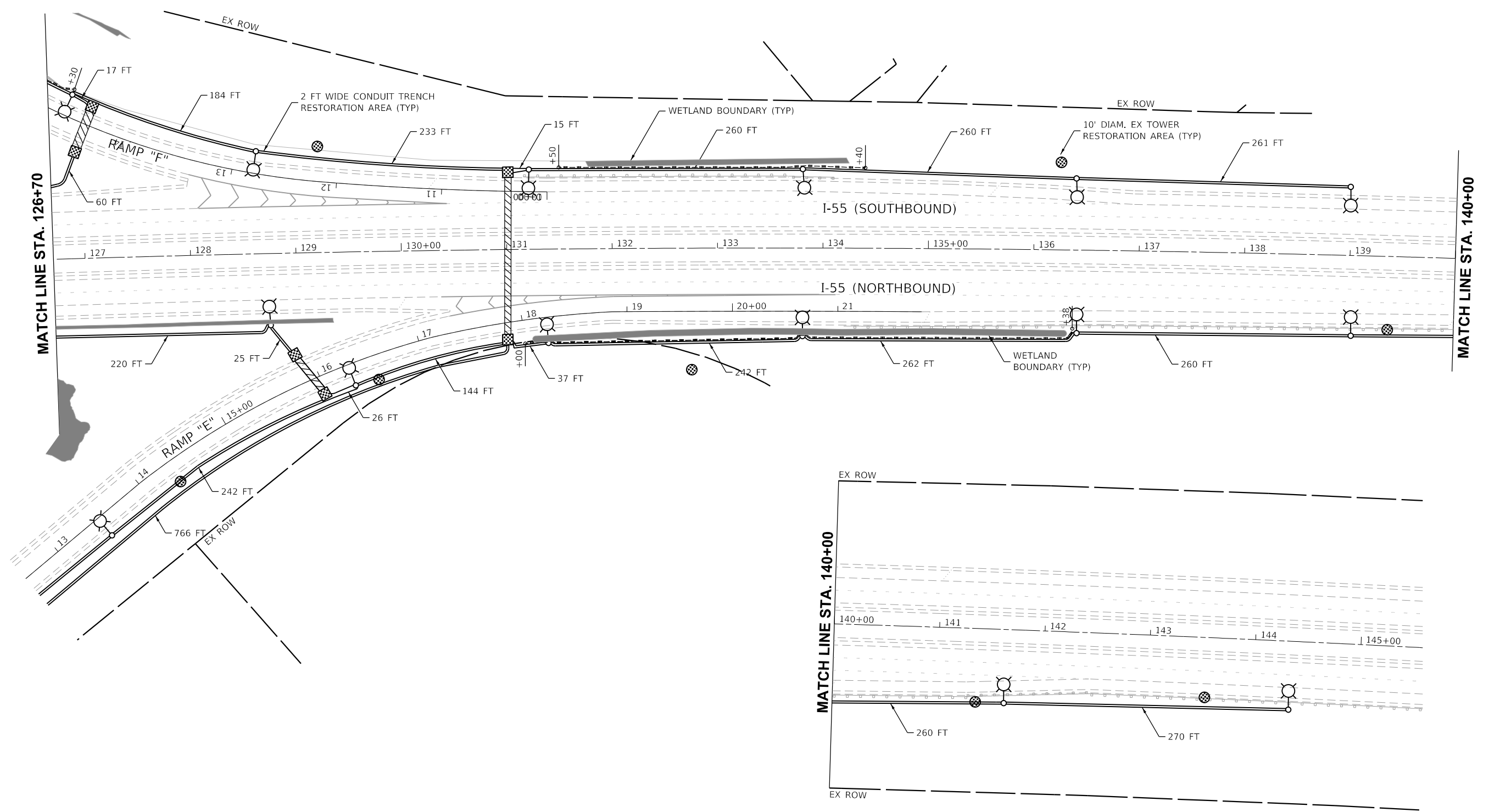
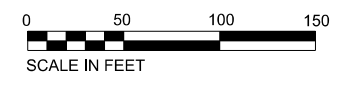
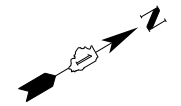
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CIVIL SITE PLAN (SHEET 2 OF 4)
I-55 AT IL RTE 113 (COAL CITY RD)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE. 0055	SECTION 2019-182-L	COUNTY WILL	TOTAL SHEETS 45	SHEET NO. 8
			CONTRACT NO. 62K55	
		ILLINOIS FED. AID PROJECT		

C-02



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PLOT DATE = 3/20/2020	DATE - 3/19/2020	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN SHEET (4 OF 4)
I 55

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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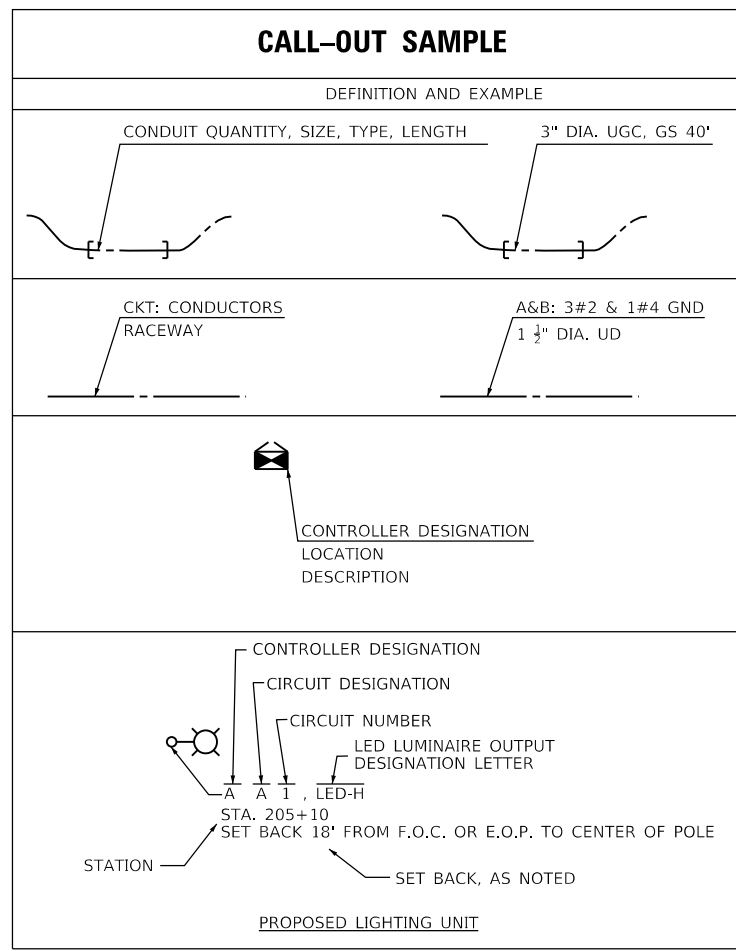
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0055	2019-182-L	WILL	45	10
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

C-04

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LIGHTING AND ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING HIGH MAST LIGHTING FOUNDATION AND TOWER TO BE REMOVED, NO SALVAGE. LUMINAIRES REMOVED NO SALVAGE
	EXISTING LIGHTING FOUNDATION, POLE, MAST ARM REMOVED, NO SALVAGE. LUMINAIRES REMOVED SHALL BE SALVAGED
	PROPOSED IDOT LIGHTING UNIT MOUNTED ON BREAKAWAY DEVICE METAL FOUNDATION, 47.5 FT M.H. U.N.O., 15 FT DAVIT ARM, LUMINAIRE TO BE LED, HORIZONTAL MOUNT, OUTPUT DESIGNATION H (240 VAC) U.N.O.
	EXISTING UNDERPASS LUMINAIRE TO BE REMOVED, NO SALVAGE
	PROPOSED UNDERPASS LED LUMINAIRE, WALL MOUNTED
	EXISTING JUNCTION BOX TO BE REMOVED
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED
	EXISTING IDOT LIGHTING CONTROLLER TO BE REMOVED, NO SALVAGE
	PROPOSED IDOT LIGHTING CONTROLLER
	EXISTING ELECTRIC UTILITY SERVICE TO BE REMOVED
	PROPOSED ELECTRIC UTILITY SERVICE
	EXISTING UNDERGROUND UNIT DUCT TO BE ABANDONED IN PLACE
	EXISTING UNIT DUCT IN EXISTING UNDERGROUND CONDUIT.
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSANGER WIRE
NESC	NATIONAL ELECTRIC SAFETY CODE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
VAC	VOLTS, ALTERNATING CURRENT
W	WATTS
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC



GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.
3. COMED ENERGY CONTACT PERSON: JAMES GLOVER
 TELEPHONE NUMBER: (630) 514-0274
 EMAIL: JAMES.GLOVER@COMED.COM
 ACCOUNT NUMBER: 531739009

IDOT-D1 STANDARDS:

STANDARD NO.	TITLE
BE-206	LIGHTING CONTROLLER, BASE MOUNTED. 480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION
BE-220	ELECTRIC SERVICE INSTALLATION SERVICE. REMOTE DISCONNECT
BE-305	LIGHT POLE FOUNDATION, METAL
BE-410	DAVIT LIGHT POLE 47' -6" MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-903	PIER/ABUTMENT MOUNTED LED UNDERPASS LUMINAIRE INSTALLATION DETAILS



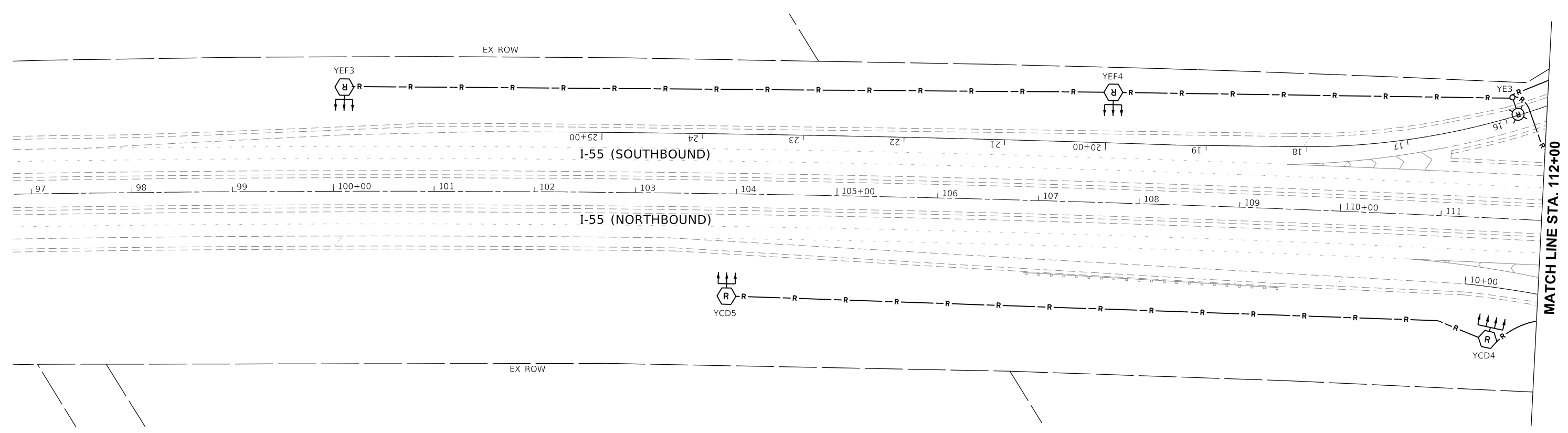
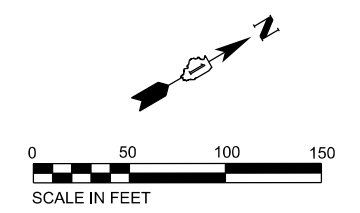
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LIGHTING LEGEND AND GENERAL NOTES

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K55	



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING SYSTEM TO REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.

LT-02

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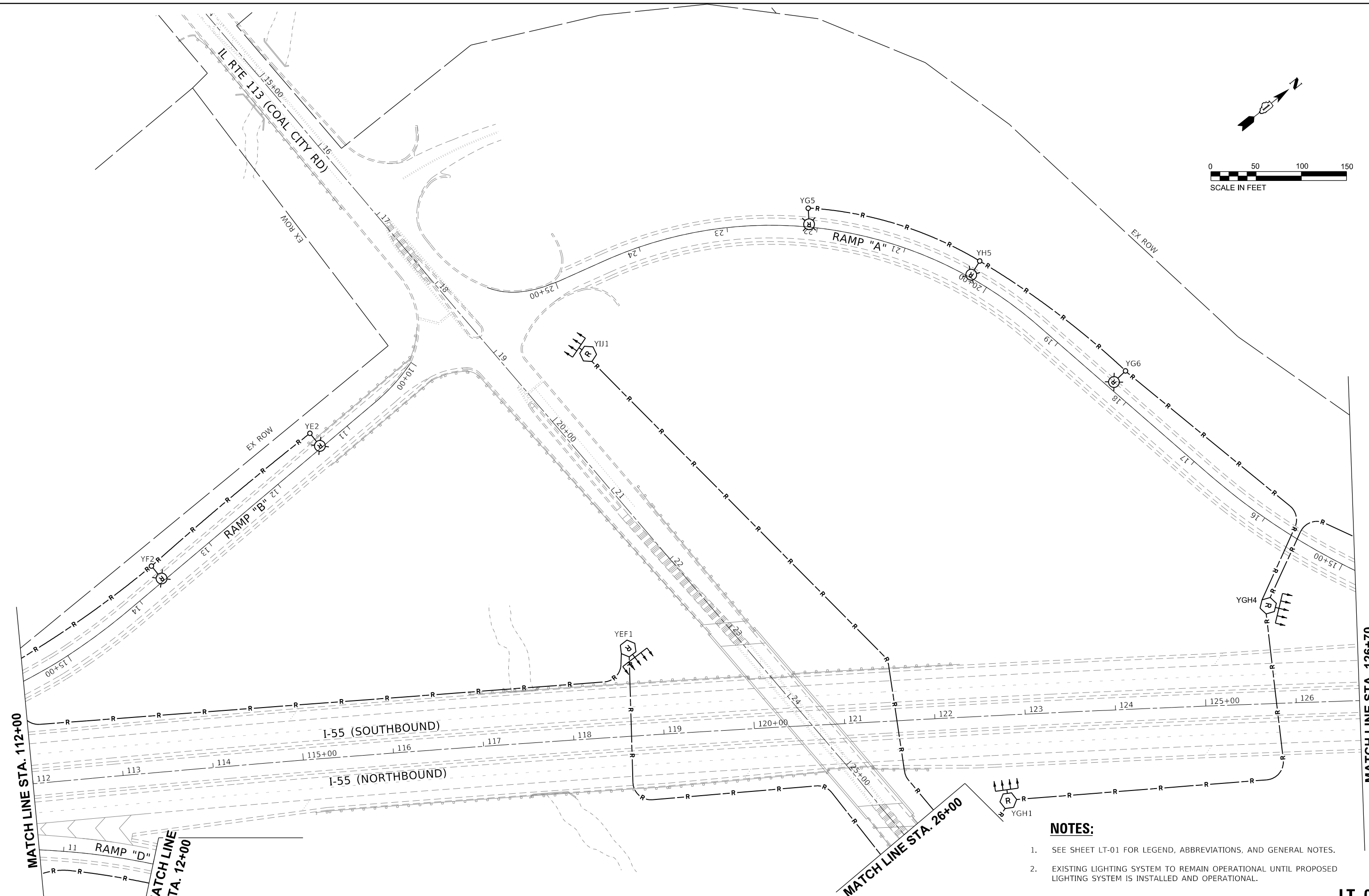
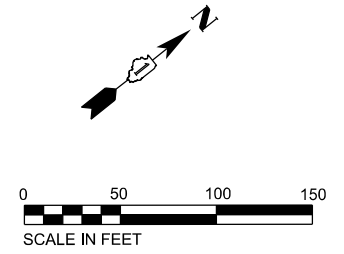
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PLOT DATE = 3/20/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY)
AT IL RTE 113 (COAL CITY RD) INTERCHANGE**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	12
CONTRACT NO. 62K55			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



- NOTES:**
- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - EXISTING LIGHTING SYSTEM TO REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.

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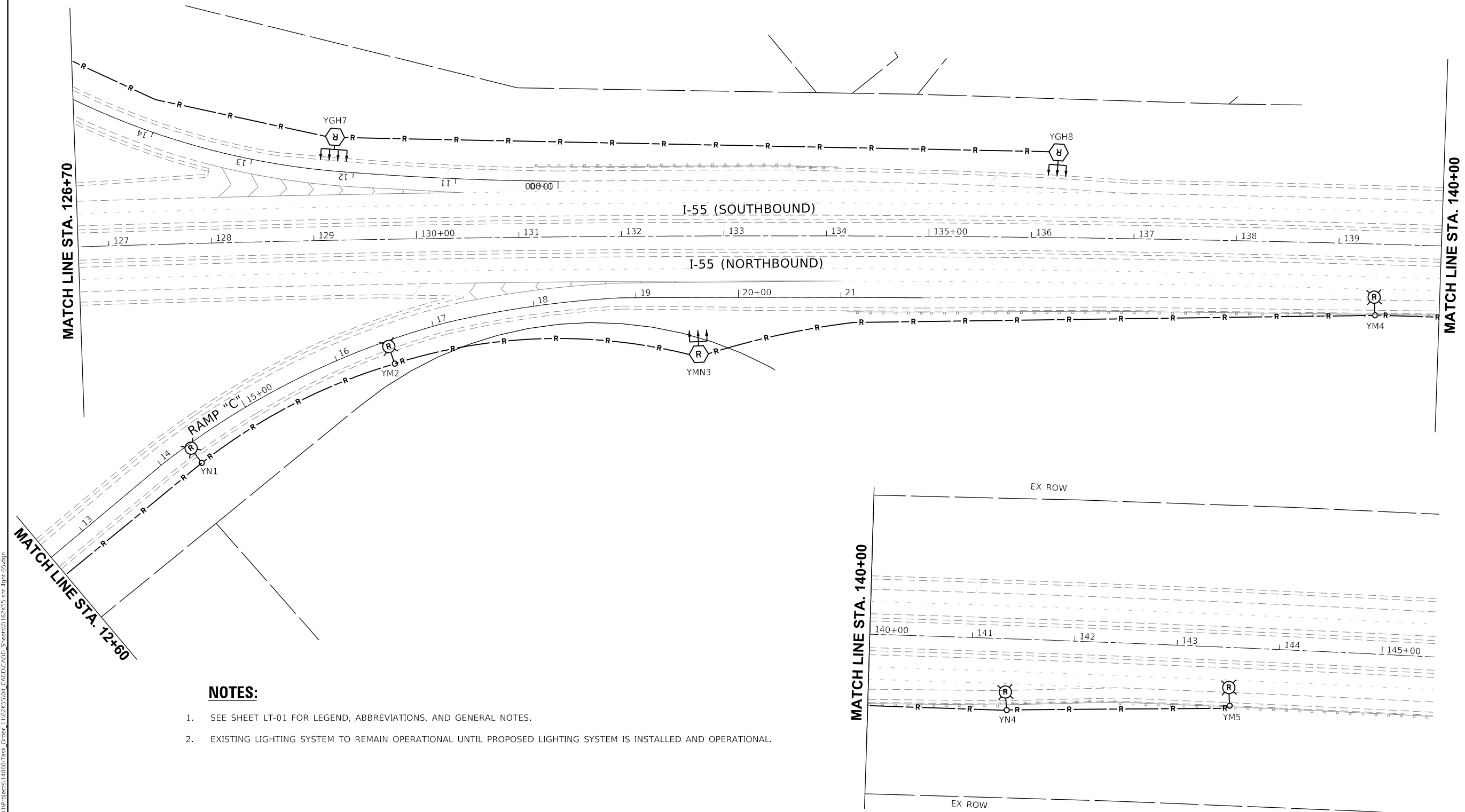
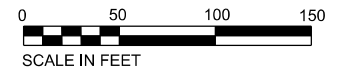
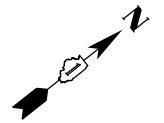
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	DATE - 3/19/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY)
AT IL RTE 113 (COAL CITY RD) INTERCHANGE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	13
CONTRACT NO. 62K55			ILLINOIS FED. AID PROJECT	

LT-03



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING SYSTEM TO REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY)
AT IL RTE 113 (COAL CITY RD) INTERCHANGE**

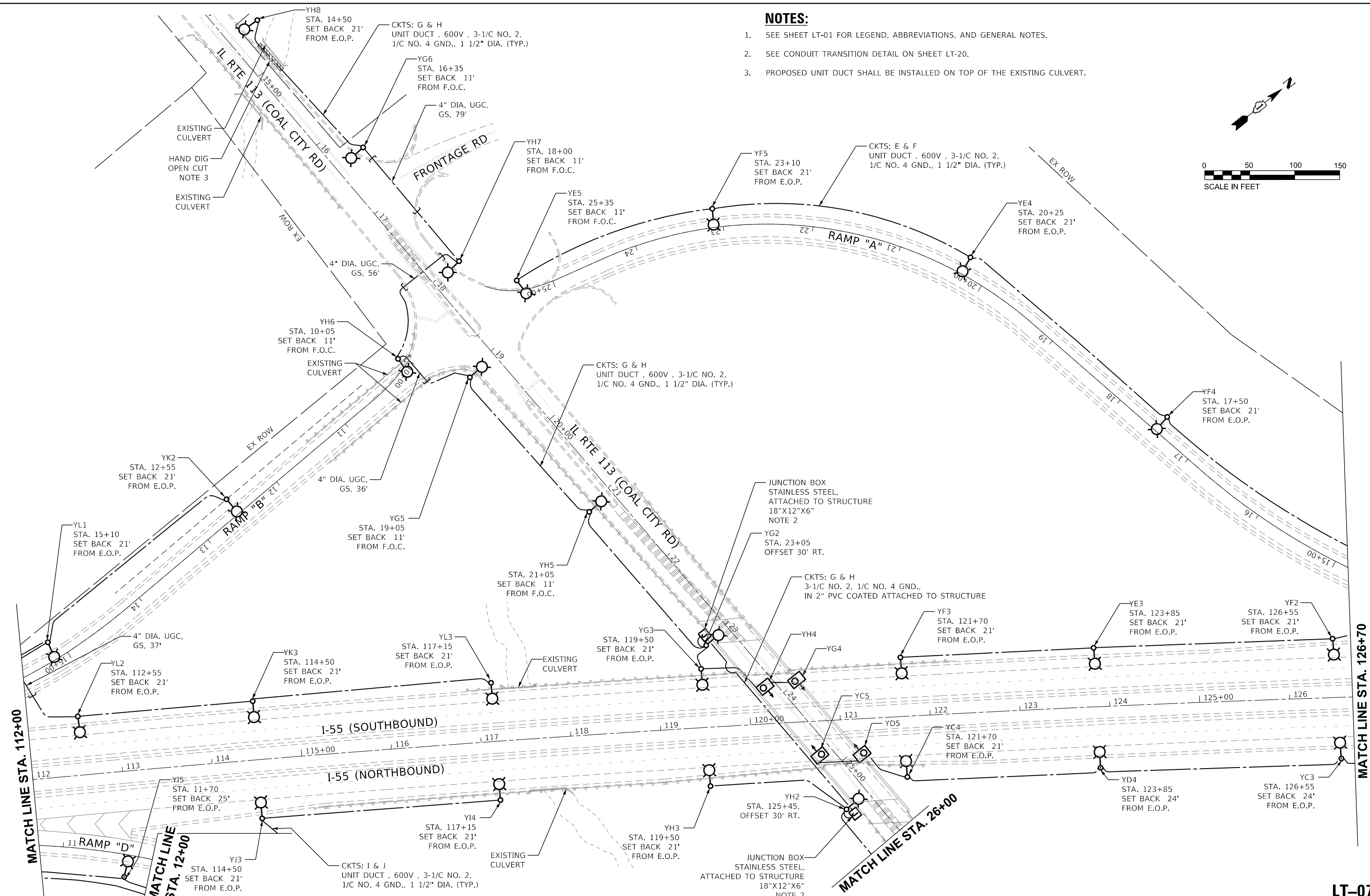
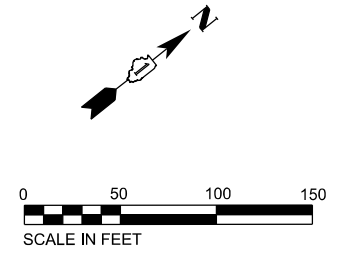
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F.A.I. RTE. 0055	SECTION 2019-182-L	COUNTY WILL	TOTAL SHEETS 45	SHEET NO. 15
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

LT-05

NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE CONDUIT TRANSITION DETAIL ON SHEET LT-20.
3. PROPOSED UNIT DUCT SHALL BE INSTALLED ON TOP OF THE EXISTING CULVERT.



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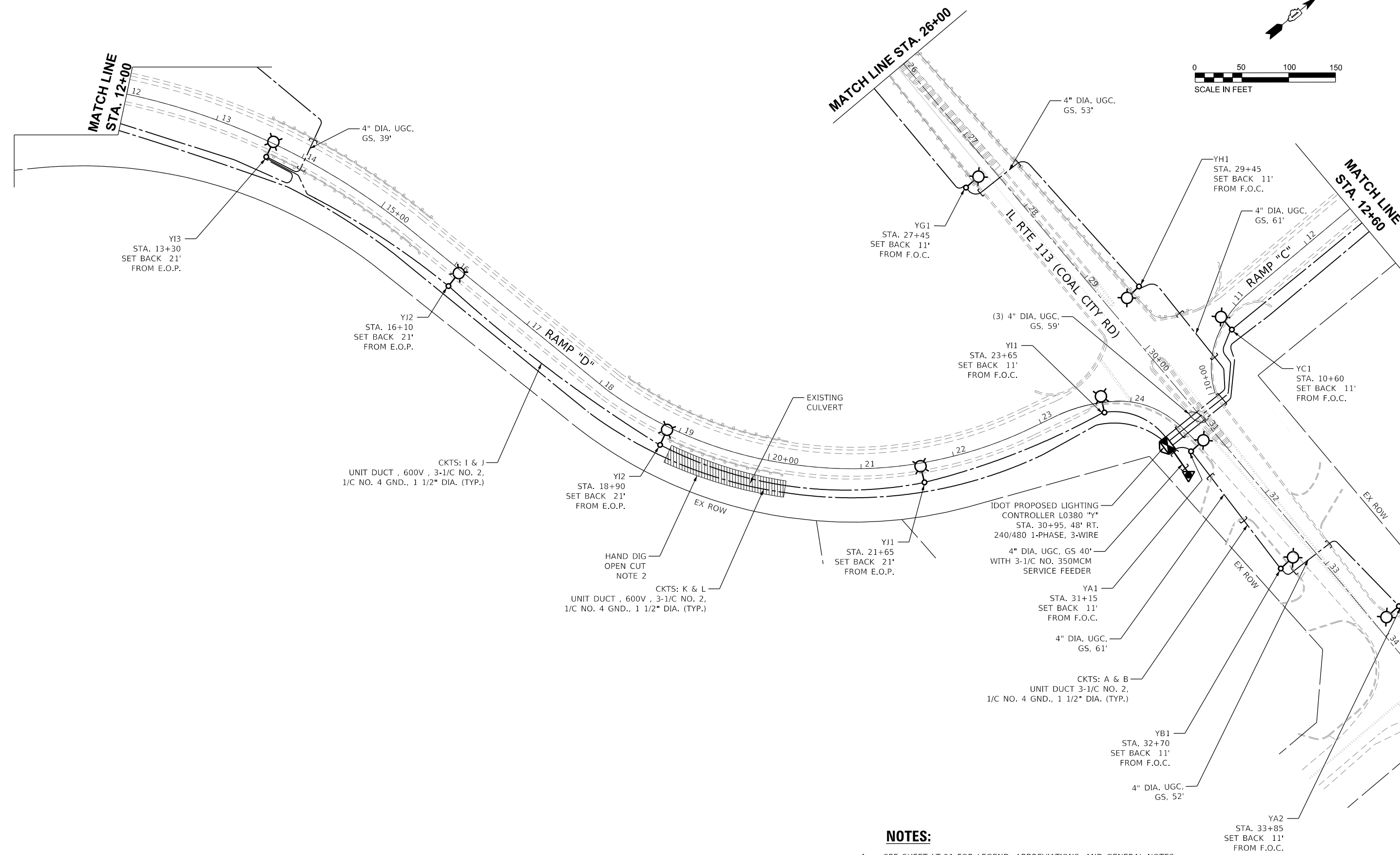
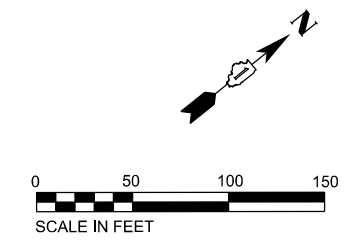
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY)
AT IL RTE 113 (COAL CITY RD) INTERCHANGE**

F.A.I. RTE. 0055	SECTION 2019-182-L	COUNTY WILL	TOTAL SHEETS 45	SHEET NO. 17
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

LT-07



NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- PROPOSED UNIT DUCT SHALL BE INSTALLED ON TOP OF THE EXISTING CULVERT.

LT-08

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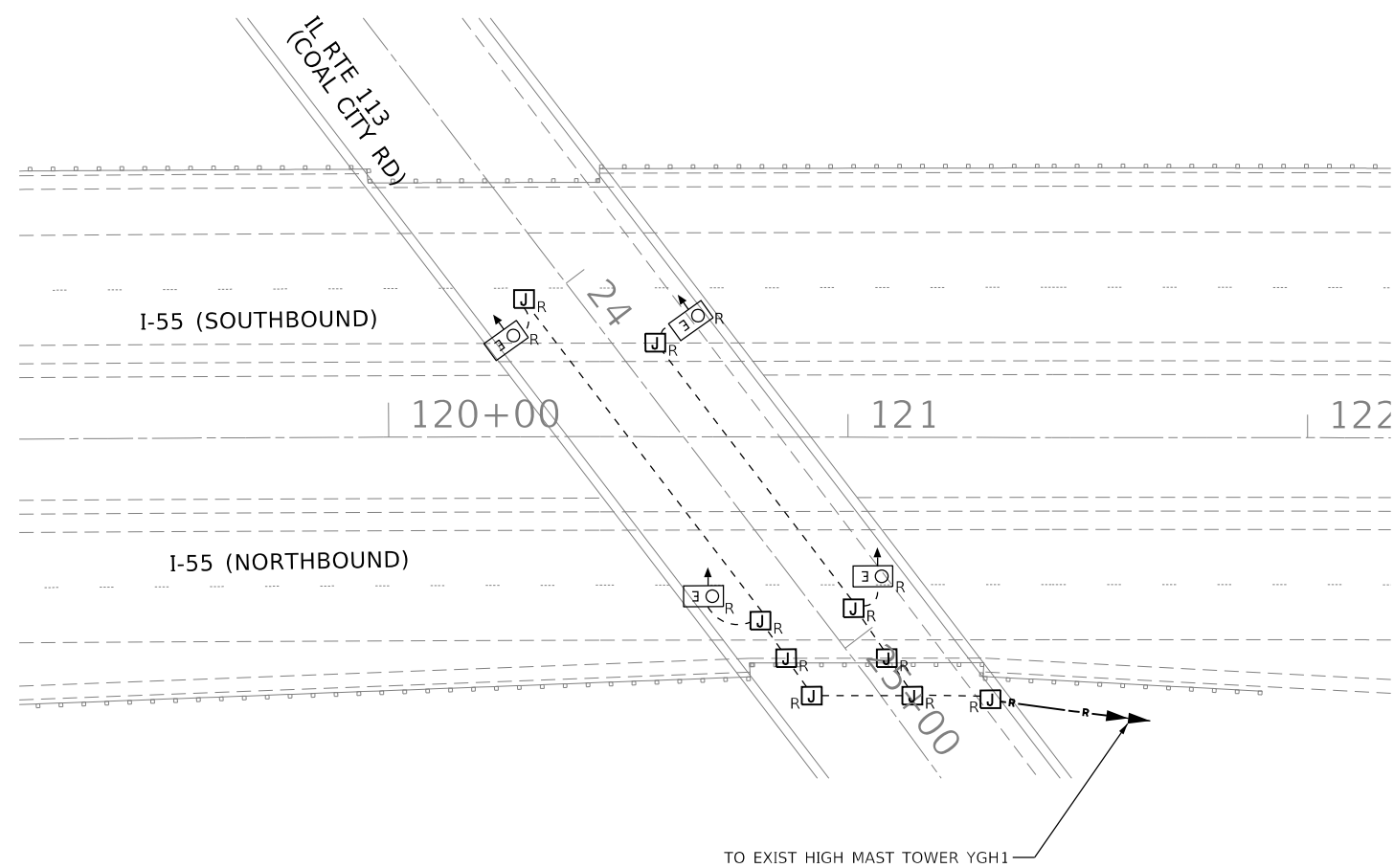
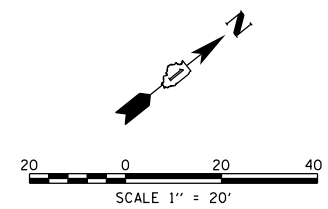
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	DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN I-55 (STEVENSON EXPRESSWAY)
AT IL RTE 113 (COAL CITY RD) INTERCHANGE**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	18
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. THE EXISTING SUSPENDED UNDERPASS LUMINAIRES SHALL REMAIN OPERATIONAL UNTIL THE PROPOSED WALL MOUNTED UNDERPASS LIGHTING SYSTEM IS INSTALLED AND ENERGIZED.

LT-10

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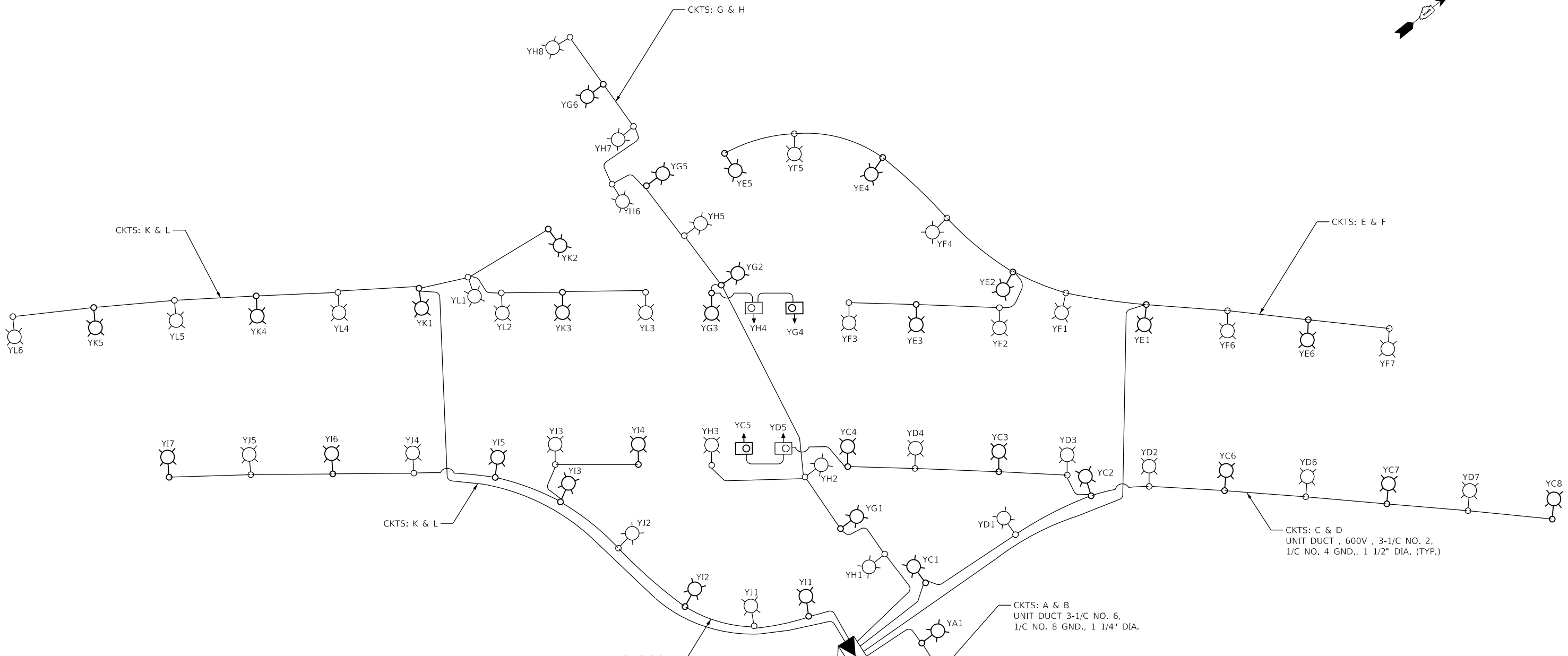
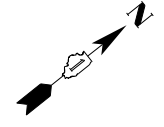
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	DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING UNDERPASS REMOVAL PLAN
I-55 AT IL RTE 113 (COAL CITY RD)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	20
			CONTRACT NO. 62K55	
		ILLINOIS	FED. AID PROJECT	



LOAD TABLE							
LIGHTING CONTROLLER 'Y', 240/480V, 1-Φ, 3-WIRE							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	2-270W	2.25	540.0	B	1-270W	1.13	270.0
C	7-270W 1-80W	8.21	1970.0	D	6-270W 1-80W	7.08	1700.0
E	6-270W	6.75	1620.0	F	7-270W	7.88	1890.0
G	5-270W 1-80W	5.96	1430.0	H	7-270W 1-80W	8.21	1970.0
I	7-270W	7.88	1890.0	J	5-270W	5.63	1350.0
K	5-270W	5.63	1350.0	L	6-270W	6.75	1620.0
TOTAL	32-270W 2-80W	36.7	8800.0	TOTAL	32-270W 2-80W	36.7	8800.0
TOTAL CONNECTED LOAD CAPACITY:				17.60 KVA			
LED H=270W; UNDERPASS=80W							

IDOT PROPOSED LIGHTING CONTROLLER L0380-Y
240/480 1-PHASE, 3-WIRE

3-1/C NO. 350MCM
SERVICE FEEDER

CKTS: A & B
UNIT DUCT 3-1/C NO. 6,
1/C NO. 8 GND., 1 1/4" DIA.

LEGEND

- SYMBOL DESCRIPTION
- PROPOSED IDOT LIGHTING UNIT
- LIGHTING CONTROLLER, 240/480 1-PHASE, 3 WIRE
- PROPOSED ELECTRIC UTILITY SERVICE
- PROPOSED UNIT DUCT
- PROPOSED UNDERPASS LUMINAIRE

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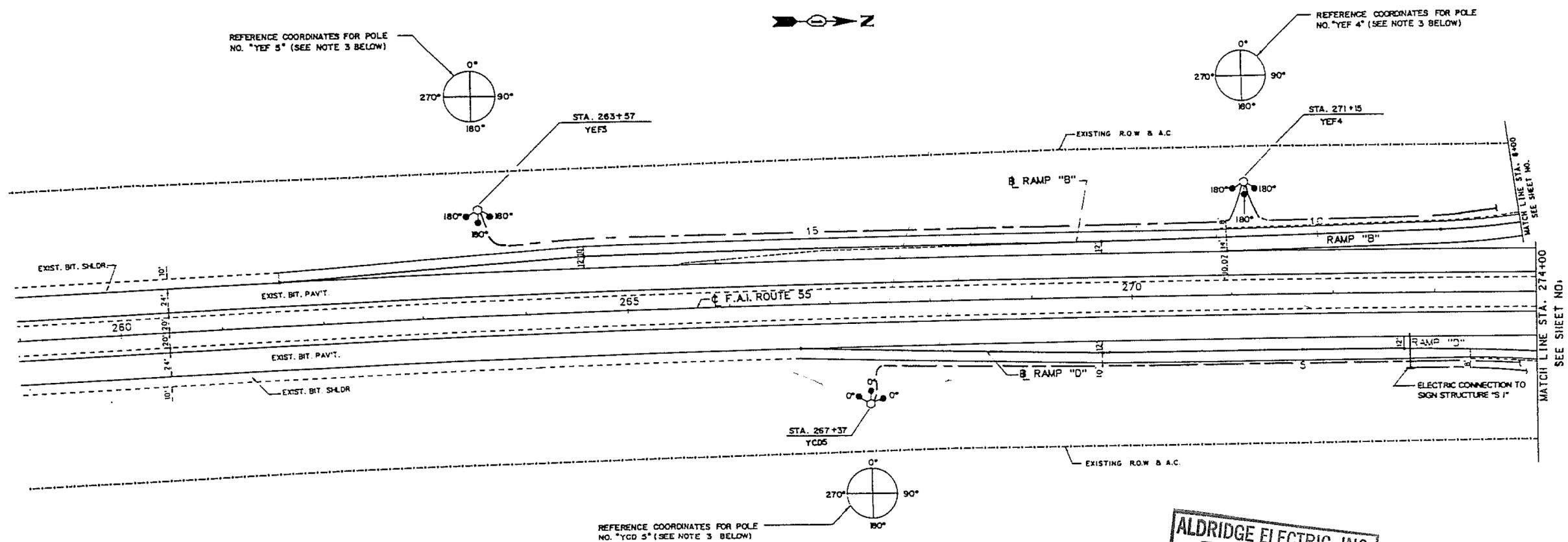
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING CONTROLLER L0380-Y WIRING DIAGRAM

SCALE: SHEET OF SHEETS STA. TO STA.

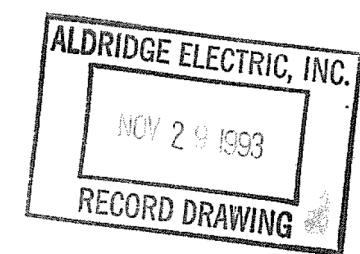
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0055	2019-182-L	WILL	45	22
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

SECTION	COUNTY	WILL	149	108
STA. 260+00	TO STA. 274+00			
SCHEDULE 1-R, 99-2AC-4-R, 90R-R & 113X-E-R				
LTB-2				



NOTES:

1. THE SETBACK OF THE HIGH MAST POLES SHALL BE 50' FROM EDGE OF PAVEMENT MINIMUM
2. THE SETBACK OF THE CONVENTIONAL (47.5 M.H.) POLES SHALL BE 20' FROM EDGE OF PAVEMENT MINIMUM
3. THE ANGULAR DISPLACEMENT (IN DEGREES) INDICATED BY EACH HIGH MAST LUMINAIRE IS THE LUMINAIRE ORIENTATION WITH RESPECT TO THE REFERENCE COORDINATES SHOWN ADJACENT TO EACH HIGH MAST POLE.



ILLINOIS DEPARTMENT OF TRANSPORTATION
 LIGHTING PLAN
 RAMP 'B' AND RAMP 'D'
 FAI 55 @ ILLINOIS ROUTE 113
 SCALE: 1" = 50' DATE 12-18-22

REVISIONS	
NAME	DATE

KAM ENGINEERING, INC.
 CONSULTING ENGINEERS ALGON, IL.
 DESIGNED BY: TONY BELLAS
 CHECKED BY: SAM BURTIS
 DRAWN BY: SAM BURTIS
 SCALE BY: SAM BURTIS
 CHECKED BY: TONY BELLAS

MELSON OSTROM BASKIN BISHAN & ASSOC., INC.
 CONSULTING ENGINEERS PARSIPPAN, NJ.
 DESIGNED BY: S.K.
 CHECKED BY: H.C.D.
 DRAWN BY: S.K.
 CHECKED BY: S.K.

CU:\WORK\11111111\11111111.dwg 12/18/22 12:34:11

FOR REFERENCE ONLY **LT-13**

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING AS-BUILT INFORMATION

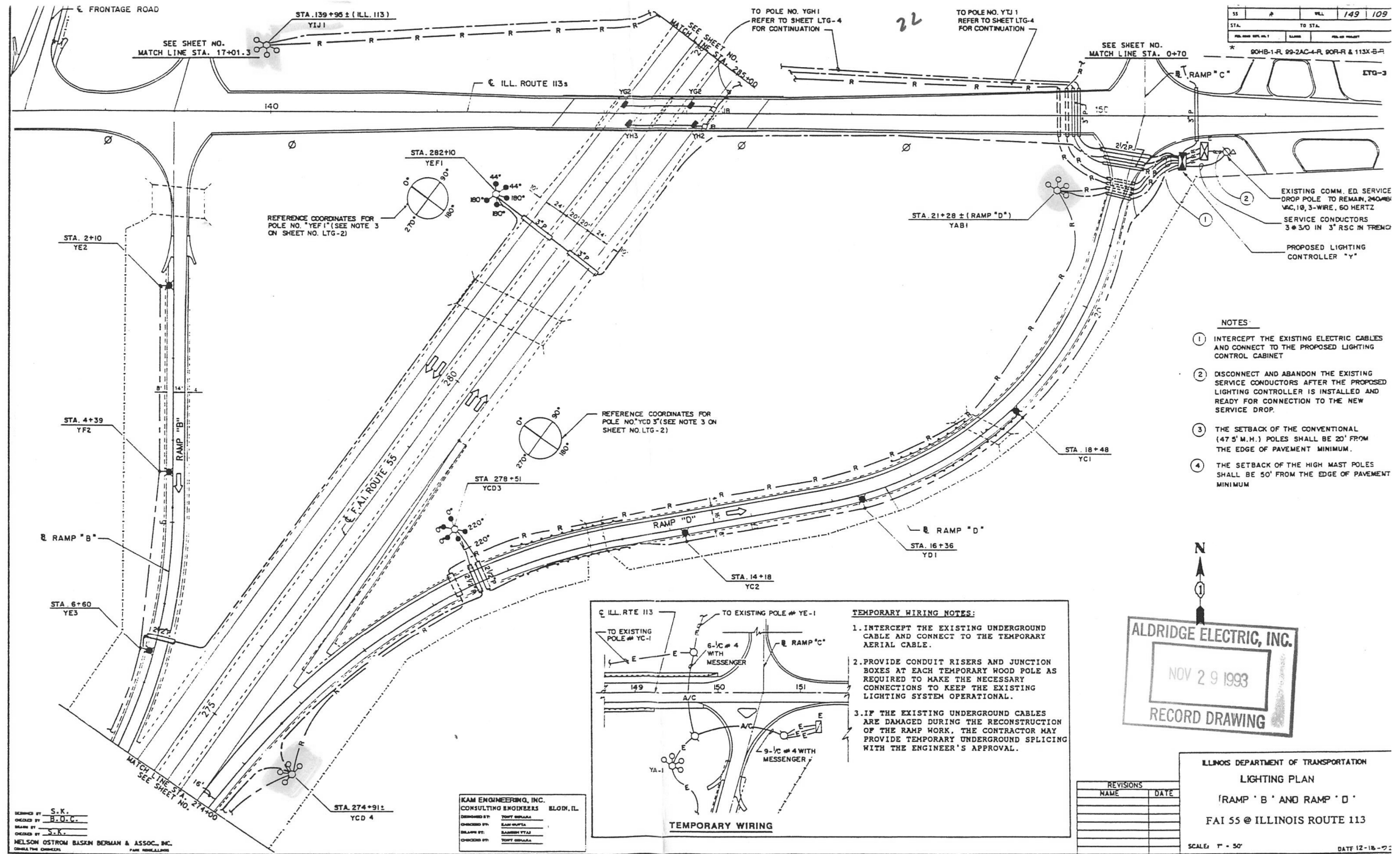
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	23
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				



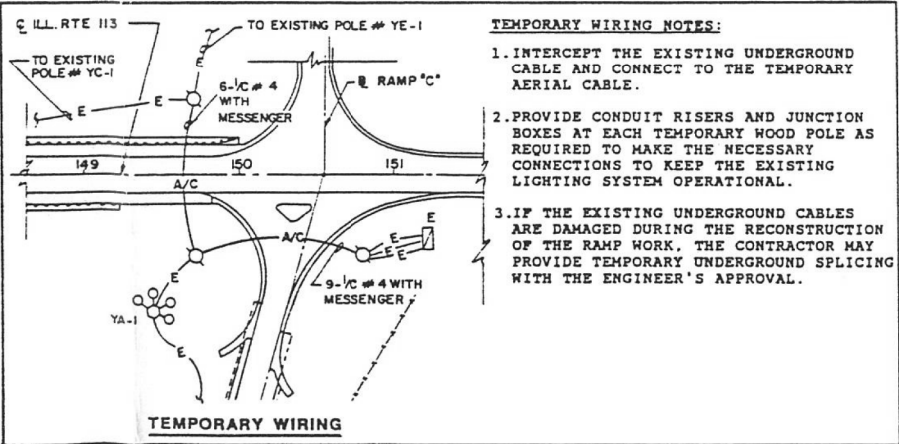
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PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

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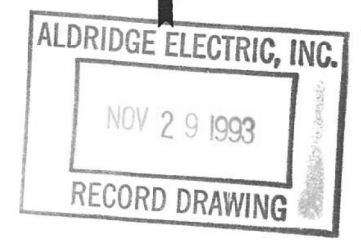


SS	#	WELL	149	109
STA.	TO STA.			
90HB-1-R, 99-2AC-4-R, 90R-R & 113X-B-R				

- NOTES**
- INTERCEPT THE EXISTING ELECTRIC CABLES AND CONNECT TO THE PROPOSED LIGHTING CONTROL CABINET
 - DISCONNECT AND ABANDON THE EXISTING SERVICE CONDUCTORS AFTER THE PROPOSED LIGHTING CONTROLLER IS INSTALLED AND READY FOR CONNECTION TO THE NEW SERVICE DROP.
 - THE SETBACK OF THE CONVENTIONAL (47' M.H.) POLES SHALL BE 20' FROM THE EDGE OF PAVEMENT MINIMUM.
 - THE SETBACK OF THE HIGH MAST POLES SHALL BE 50' FROM THE EDGE OF PAVEMENT MINIMUM



- TEMPORARY WIRING NOTES:**
- INTERCEPT THE EXISTING UNDERGROUND CABLE AND CONNECT TO THE TEMPORARY AERIAL CABLE.
 - PROVIDE CONDUIT RISERS AND JUNCTION BOXES AT EACH TEMPORARY WOOD POLE AS REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO KEEP THE EXISTING LIGHTING SYSTEM OPERATIONAL.
 - IF THE EXISTING UNDERGROUND CABLES ARE DAMAGED DURING THE RECONSTRUCTION OF THE RAMP WORK, THE CONTRACTOR MAY PROVIDE TEMPORARY UNDERGROUND SPLICING WITH THE ENGINEER'S APPROVAL.



ILLINOIS DEPARTMENT OF TRANSPORTATION
 LIGHTING PLAN
 'RAMP 'B' AND RAMP 'D'
 FAI 55 @ ILLINOIS ROUTE 113
 SCALE: 1" = 50' DATE 12-18-93

DESIGNED BY S.K.
 CHECKED BY B.D.C.
 DRAWN BY S.K.
 NELSON OSTROM BASKIN BERMAN & ASSOC., INC.
 CONSULTING ENGINEERS

KAM ENGINEERING, INC.
 CONSULTING ENGINEERS BLOOM, IL.
 DESIGNED BY TONY SERRA
 CHECKED BY SAM SUPTA
 DRAWN BY SAM SUPTA
 CHECKED BY TONY SERRA

REVISIONS	
NAME	DATE

MODEL: Default
 FILE NAME: \\0131P09\003140601Task-Order-1106255\04_CADD\CADD_Sheets\106255-Plt\Light-14.dgn



USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2" / 1 in.	DRAWN - UCM	REVISED -
PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING AS-BUILT INFORMATION

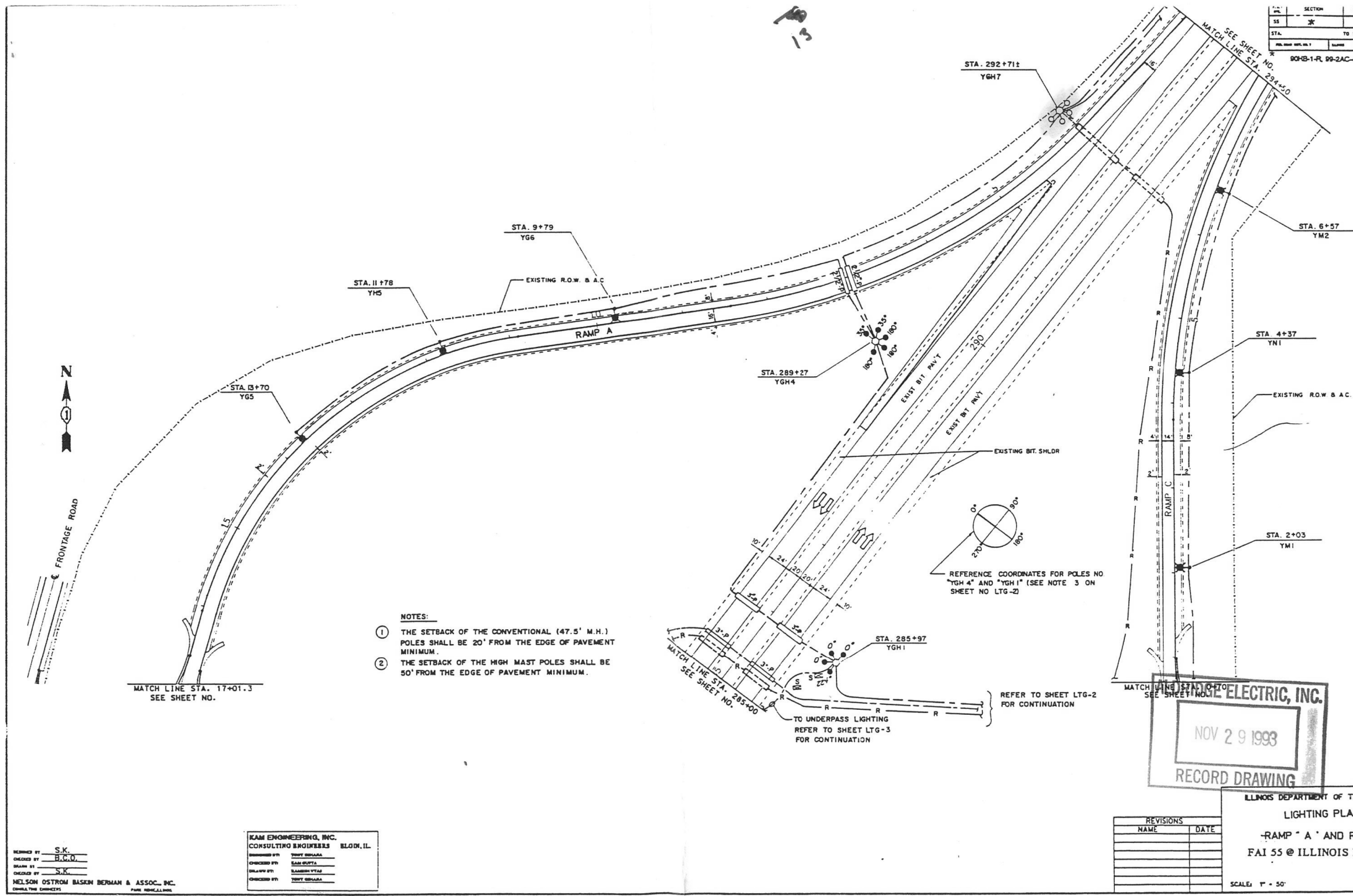
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	24
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY LT-14

SECTION	COUNTY	SHEET	
SS	WILL	149	110
STA.	TO STA.		
904B-1-R, 99-2AC-4-R, 90R-R & 113X-B-F			

LTG-4



- NOTES:**
- THE SETBACK OF THE CONVENTIONAL (47.5' M.H.) POLES SHALL BE 20' FROM THE EDGE OF PAVEMENT MINIMUM.
 - THE SETBACK OF THE HIGH MAST POLES SHALL BE 50' FROM THE EDGE OF PAVEMENT MINIMUM.

REFERENCE COORDINATES FOR POLES NO "YGH 4" AND "YGH 1" (SEE NOTE 3 ON SHEET NO LTG-2)

NOV 29 1993
RECORD DRAWING

ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHTING PLAN
 -RAMP " A " AND RAMP " C "
 FAI 55 @ ILLINOIS ROUTE 113
 SCALE: 1" = 50'

REVISIONS	
NAME	DATE

KAM ENGINEERING, INC.
 CONSULTING ENGINEERS ELDON, IL

DESIGNED BY: TONY BRADDA
 CHECKED BY: SAM GUPTA
 DRAWN BY: SAMSHI YTAJ
 CHECKED BY: TONY BRADDA

REMOVED BY: S.K.
 CHECKED BY: H.C.O.
 DRAWN BY: S.K.
 CHECKED BY: S.K.

NELSON OSTROM BASKIN BERMAN & ASSOC., INC.
 CONSULTING ENGINEERS PARSIPPAN, NJ

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SINGH
 SINGH & ASSOCIATES INC.
 CONSULTING ENGINEERS

USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2" / 1"	DRAWN - UCM	REVISED -
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	DATE - 3/19/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

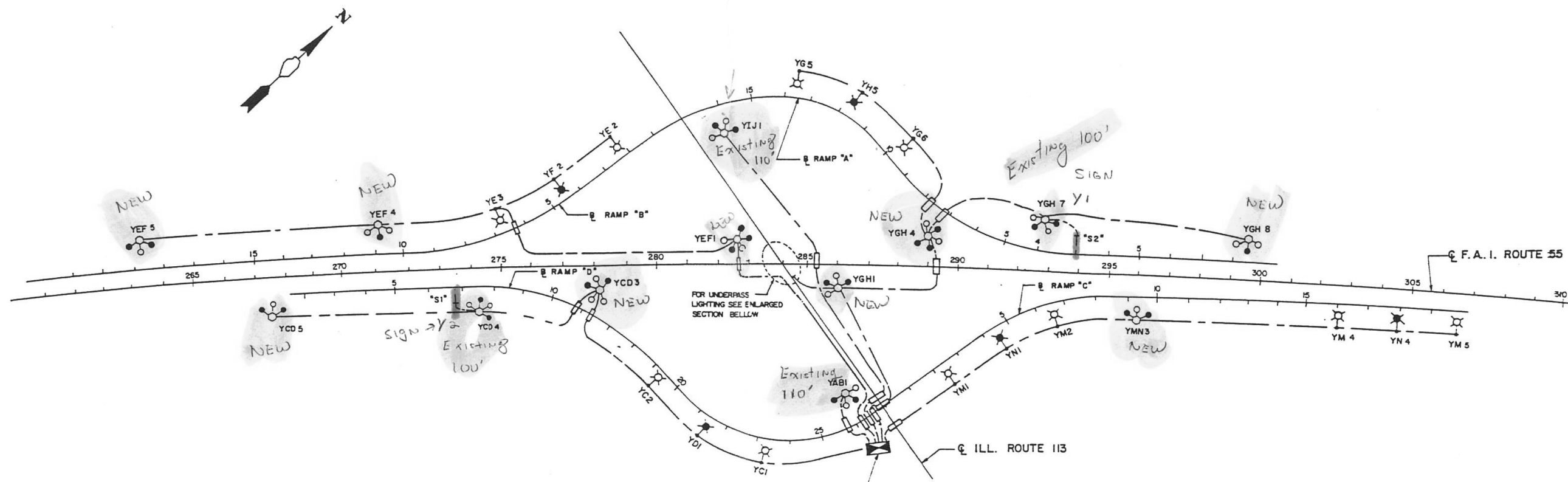
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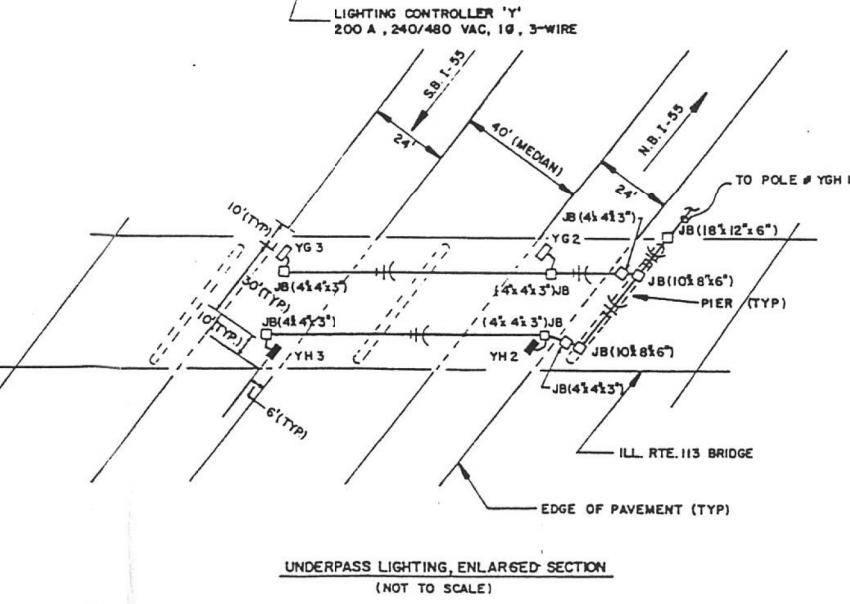
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	25
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY **LT-15**

55	WLL	149	112
STA	TO STA		
* 90B-1-R, 90-2AC-4-R, 90R-R & 113X-B-R			
ETG-6			



- LEGEND**
- 310 WATT HPS, M-C-III LUMINAIRE ON RED CABLE
 - 310 WATT HPS, M-C-III LUMINAIRE ON BLACK CABLE
 - 400 WATT HPS, HIGH MAST LUMINAIRE ON BLACK CABLE
 - 400 WATT HPS, HIGH MAST LUMINAIRE ON RED CABLE
 - 55 WATT LPS, UNDERPASS LUMINAIRE ON RED CABLE
 - 55 WATT LPS, UNDERPASS LUMINAIRE ON BLACK CABLE
 - LIGHTING CONTROL CABINET
 - JUNCTION BOX ATTACHED TO STRUCTURE
 - GALVANIZED STEEL CONDUIT, 3" DIAMETER
 - ELECTRIC CABLE, 3-1/C #14AWG AND 1#6 GROUND IN 1 1/4" UNIT DUCT UNLESS OTHERWISE NOTED
 - CROSS-HATCHED LINES DENOTE NUMBER OF WIRES. ANY CIRCUIT WITHOUT FURTHER DESIGNATION IS A 3-WIRE CIRCUIT 3/4" RIGID CONDUIT ATTACHED TO STRUCTURE
 - GROUND (GREEN)
NEUTRAL (WHITE)
PHASE (S)
(RED / BLACK AS NEEDED)
 - SIGN LUMINAIRE



ALDRIDGE ELECTRIC, INC.
NOV 29 1993
RECORD DRAWING

ILLINOIS DEPARTMENT OF TRANSPORTATION
**LIGHTING CONTROL CABINET "Y"
WIRING DIAGRAM**
FAI 55 @ ILLINOIS ROUTE 113

REVISIONS	
NAME	DATE

SCALE VERT. NONE
HORIZ. NONE
DATE 12-18-92

KAM ENGINEERING, INC.
DESIGNED BY: TONY DEBARRA
DRAWN BY: EAM DEPTA
CHECKED BY: RAJESH VIJAS
DATE: 3/19/2020

FOR REFERENCE ONLY **LT-17**

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING AS-BUILT INFORMATION

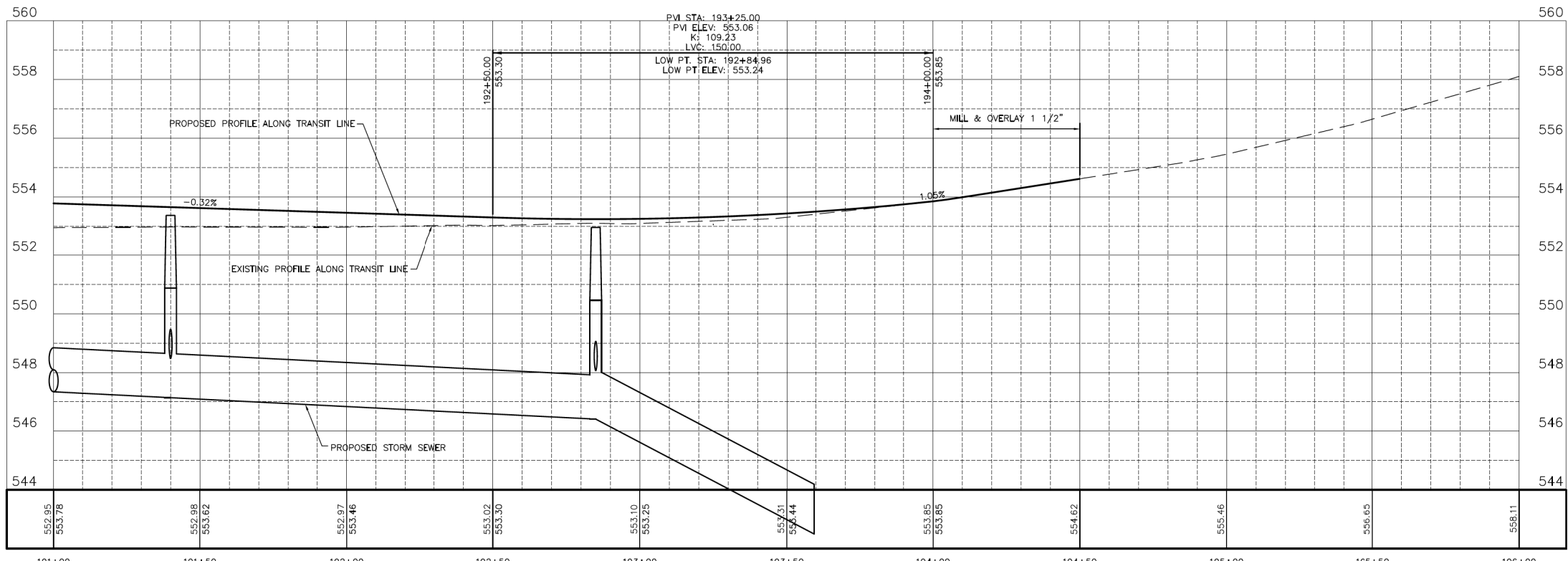
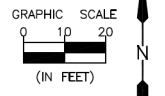
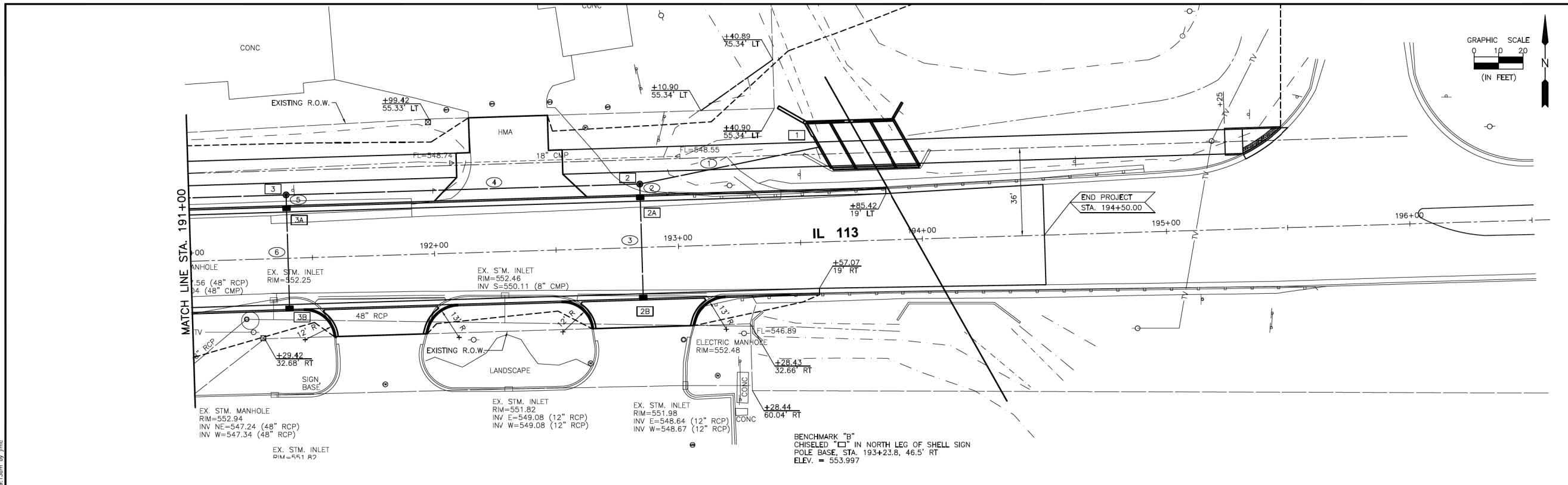
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PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	27
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

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SINGH
SINGH + ASSOCIATES INC.
CONSULTING ENGINEERS



CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Name: G:\Users\jrc\OneDrive\Projects\1406601\Task-Order\11062K55\04_CADD\CADD_Sheets\11062K55-Plan\Right-18.dgn
 May 23, 2016 - 8:47am Plotted on: May 23, 2016 - 8:13am by jrc

DRAWN BY: ARR	CHECKED BY: JKC	DATE: 10/14	CHAMLIN & ASSOCIATES, INC. PERU MORRIS ILLINOIS	FAU 383 SECTION 14-00010-00-WR VILLAGE OF DIAMOND WILL COUNTY	PLAN AND PROFILE STA. 191+00.00 TO STA. 196+00.00	CONSTRUCTION PLANS	CONTRACT NO. 87606 CURRENT AS OF: 05/18/2016 SCALE: AS NOTED FILE NO.: 66139.01 Y- OF 71
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USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
DRAWN - UCM	REVISIONS	REVISIONS
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PLOT DATE = 3/20/2020	DATE - 3/19/2020	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

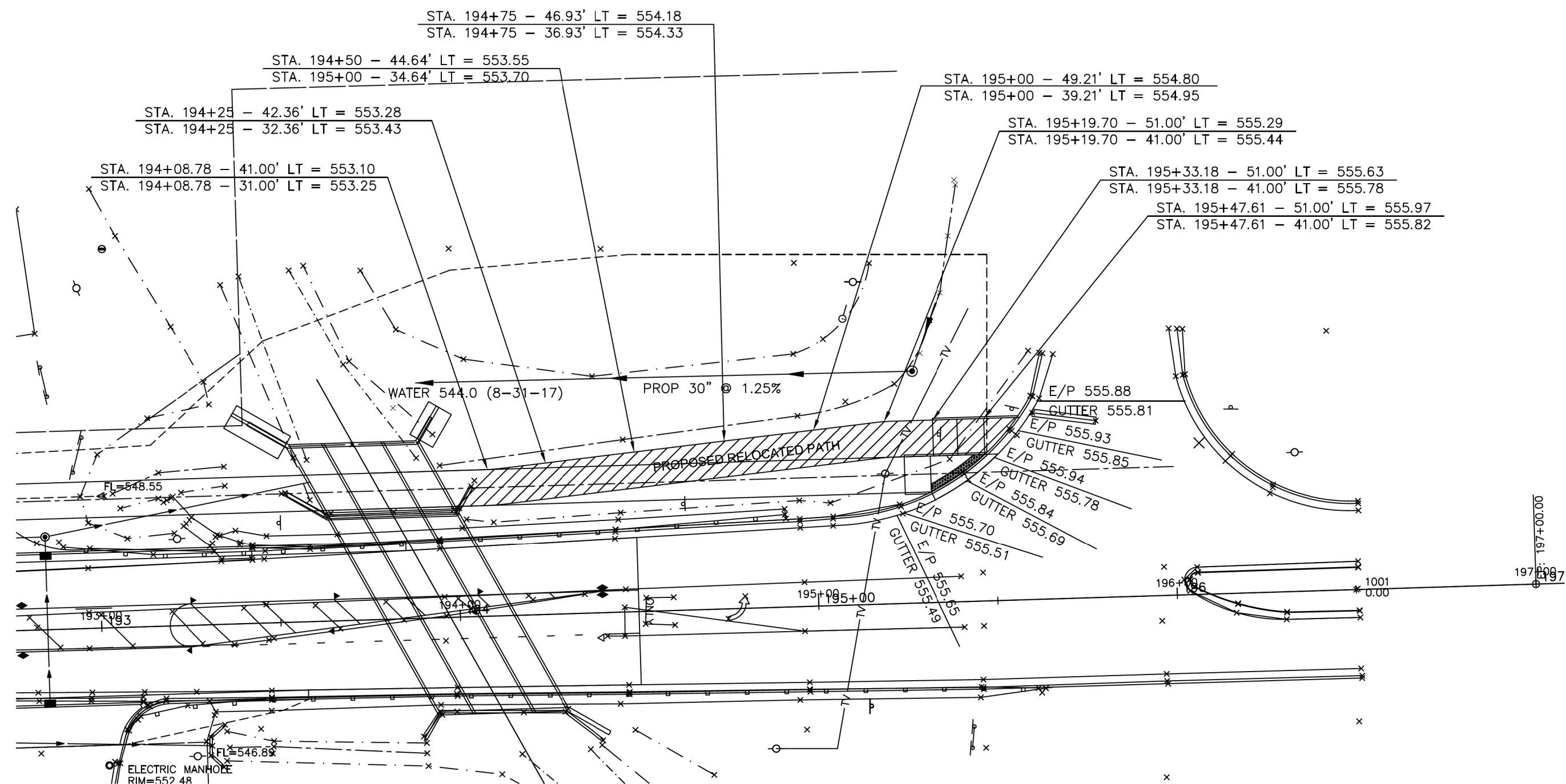
VILLAGE OF DIAMOND AS-BUILT INFORMATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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FOR REFERENCE ONLY

LT-18

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	28
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				



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 SINGH + ASSOCIATES INC.
 CONSULTING ENGINEERS

FOR REFERENCE ONLY **LT-19**



USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
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	DATE - 3/19/2020	REVISED -

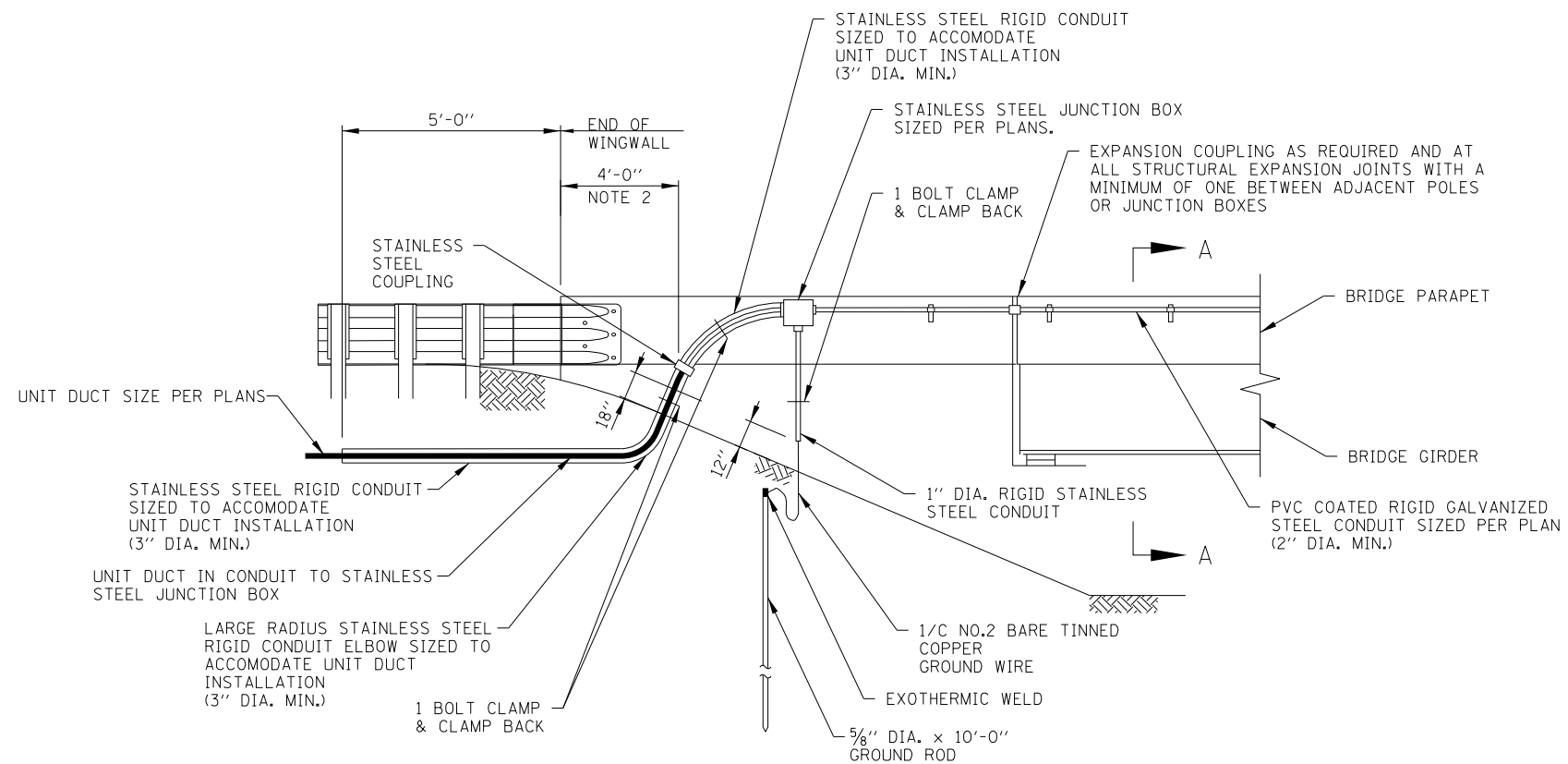
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DRAWN - UCM	REVISED -
CHECKED - RP	REVISED -
DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VILLAGE OF DIAMOND AS-BUILT INFORMATION

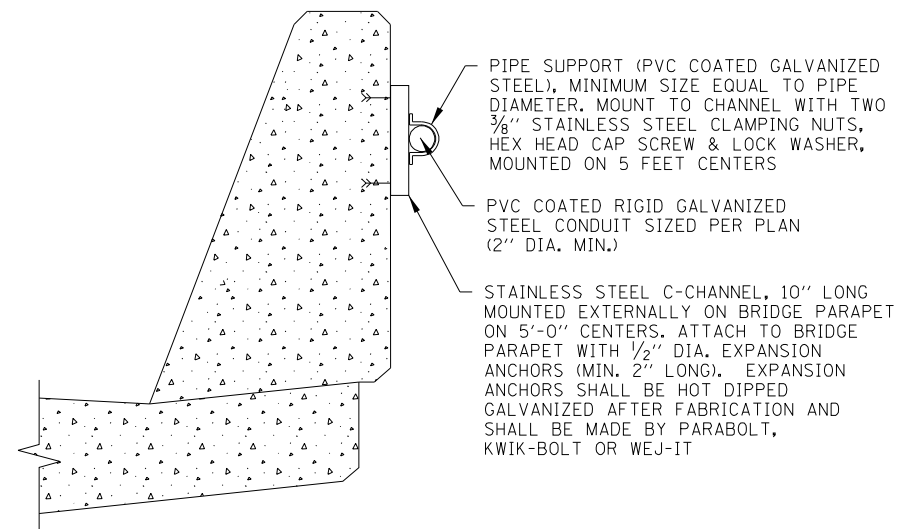
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	29
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				



CONDUIT TRANSITION DETAIL

NTS



SECTION A-A

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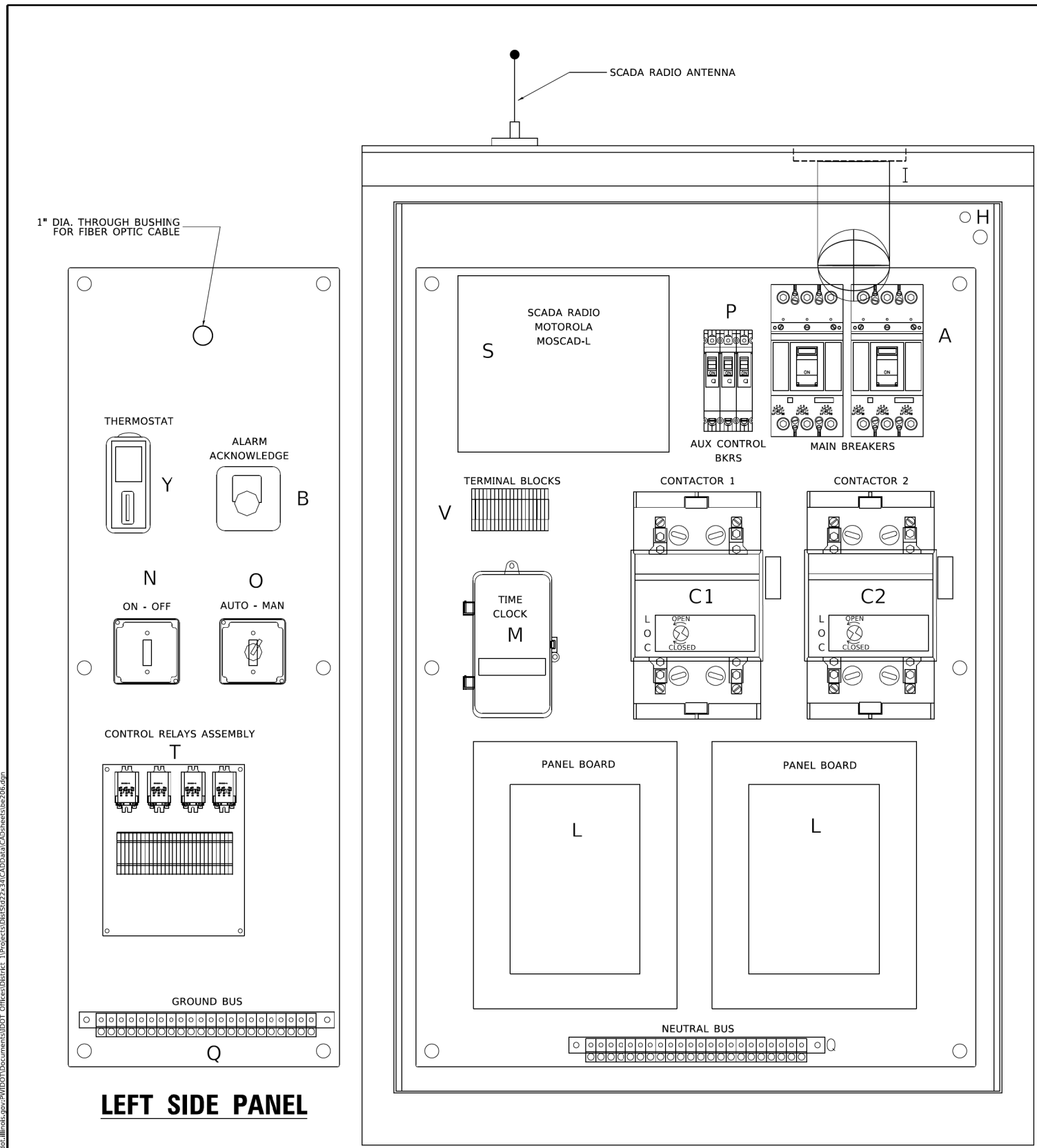
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	DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

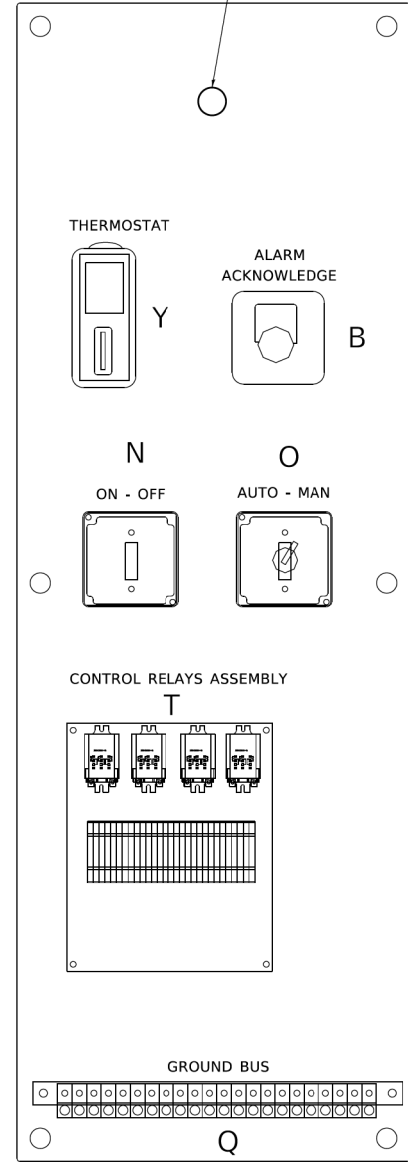
**LIGHTING DETAILS I-55 (STEVENSON EXPRESSWAY)
AT IL RTE 113 (COAL CITY RD) INTERCHANGE**

SCALE: SHEET OF SHEETS STA. TO STA.

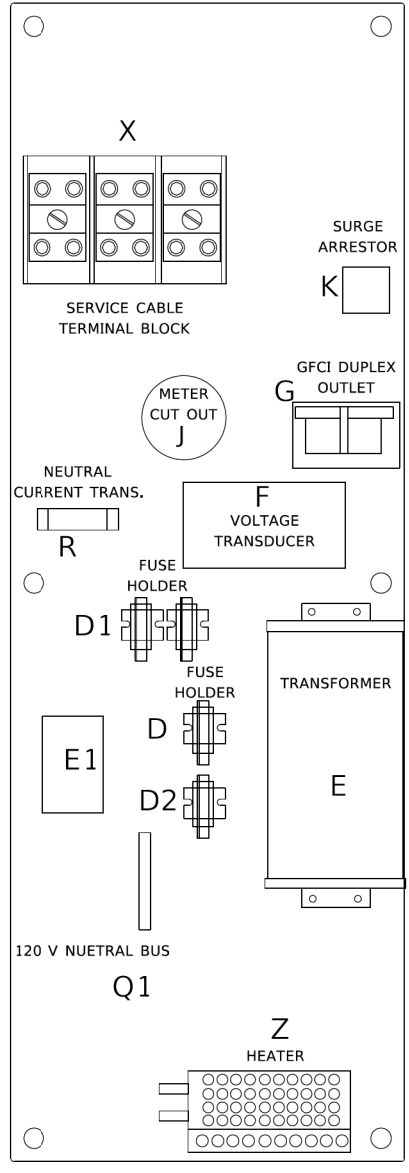
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	30
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				



1" DIA. THROUGH BUSHING FOR FIBER OPTIC CABLE



LEFT SIDE PANEL



RIGHT SIDE PANEL

BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	2	MAIN CIRCUIT BREAKERS 2 POLE 200 AMP WITH AUX CONTACT
B	1	ACKNOWLEDGE SWITCH, PUSH BUTTON WITH YELLOW INSERT
C1, C2*	2	CONTACTOR 2 POLE 200 AMP 240V COIL WITH AUX CONTACTS
D	1	FINGERSAFE FUSE HOLDER WITH KTK - 20A FUSE
D1	2	FINGERSAFE FUSE HOLDER WITH KTK - 1/2 A FUSE
D2	1	FINGERSAFE FUSE HOLDER WITH KTK - 2A FUSE
E	1	2.0 KVA 277V-240/120 TRANSFORMER
E1	1	0.25 KVA240/ 120 - 24 VAC TRANSFORMER
F	1	VOLTAGE TRANSUDER WITH COVER TERMINALS
G	1	20 AMP GFCI DUPLEX OUTLET W/COVER
H	2	DOOR SWITCH
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/ 240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	MOMENTARY SWITCH ON - OFF
O	1	SQUARE D, 9001KS11BH13, 2 POSITION SWITCH IN 9001KY1 ENCLOSURE OR APPROVED EQUAL
P	2	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 X 16 X 1/4
Q1	1	COPPER NEUTRAL BUS WITH 1 #6 AND 8 #12 CONDUCTOR POINTS
R	1	CURRENT TRANSUDER
S	1	MOTOROLA MOSCAD-L RADIO, 240 V
T*	1	CONTROL RELAY ASSEMBLY 240V COILS WITH 4 - 3PDT 25A RELAYS (W389ACX-15) (R1, R2, R3, R4). QTY 32 TERMINAL BLOCKS
V	20	TERMINAL BLOCKS
X*	1	620 AMP SPLICE BLOCK
Y	1	40-80 DEGREE THERMOSTAT
Z	1	375 WATT HEATER

* TERMINALS SHALL BE COVERED WITH CLEAR PLEXIGLASS SHEET

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USER NAME = leysa	DESIGNED - R. TOMSONS	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/15/2020	CHECKED -	REVISED -
	DATE - 01-15-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION			
SCALE: NONE	SHEET 1	OF 4 SHEETS	STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-206			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

SD-01

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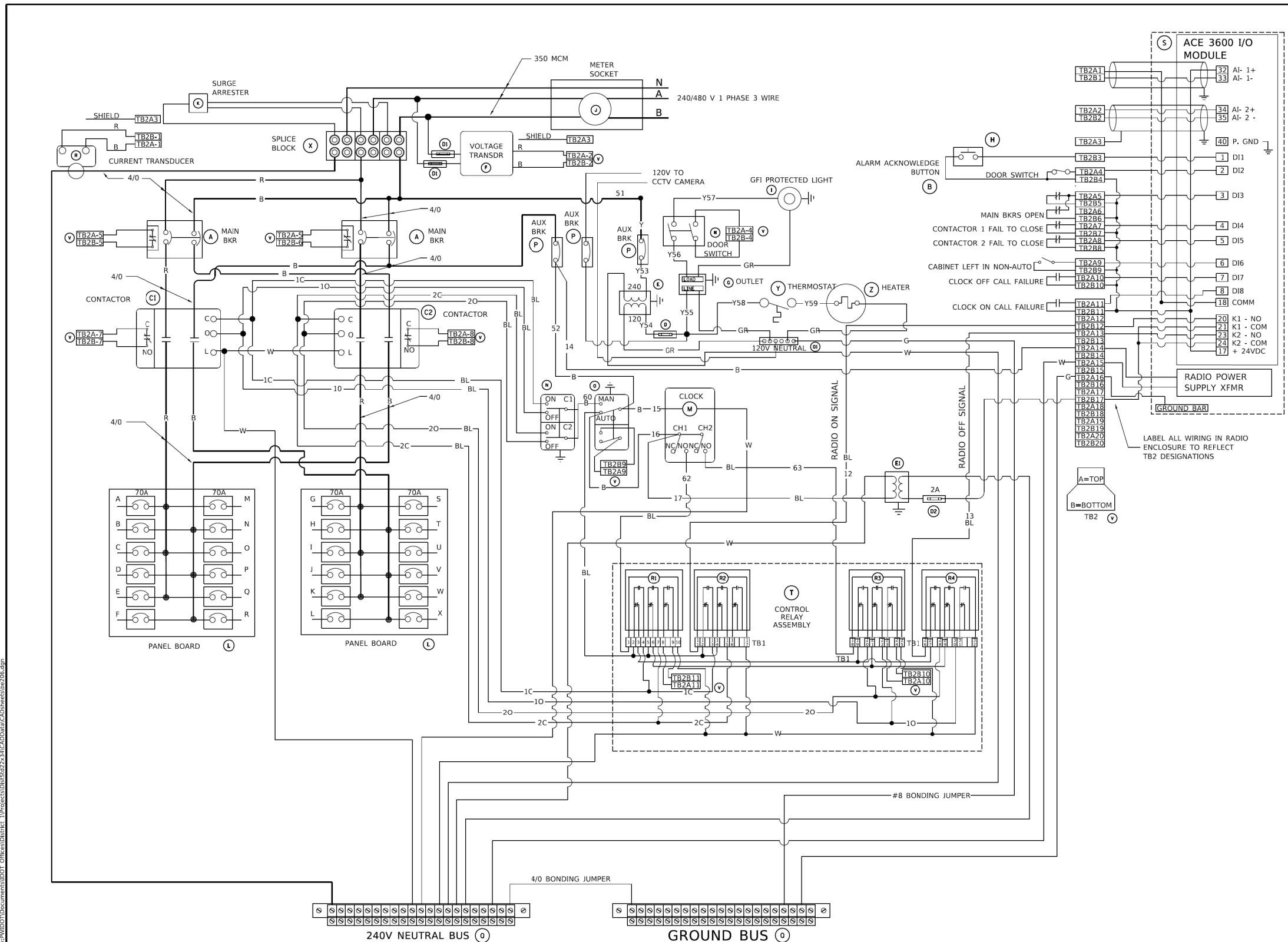


USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS			
SCALE:	SHEET	OF SHEETS	STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	31
			CONTRACT NO. 62K55	
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	2	MAIN CIRCUIT BREAKERS 2 POLE 200 AMP WITH AUX CONTACT
B	1	ACKNOWLEDGE SWITCH, PUSH BUTTON WITH YELLOW INSERT
C1, C2*	2	CONTACTOR 2 POLE 200 AMP 240V COIL WITH AUX CONTACTS
D	1	FINGERSAFE FUSE HOLDER WITH KTK - 20A FUSE
D1	2	FINGERSAFE FUSE HOLDER WITH KTK - 1/2 A FUSE
D2	1	FINGERSAFE FUSE HOLDER WITH KTK - 2A FUSE
E	1	2.0 KVA 277V-240/120 TRANSFORMER
E1	1	0.25 KVA 240/ 120 - 24 VAC TRANSFORMER
F	1	VOLTAGE TRANSDUCER WITH COVER TERMINALS
G	1	20 AMP GFCI DUPLEX OUTLET W/COVER
H	2	DOOR SWITCH
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/ 240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	MOMENTARY SWITCH ON - OFF
O	1	SQUARE D, 9001KS11BH13, 2 POSITION SWITCH IN 9001KY1 ENCLOSURE OR APPROVED EQUAL
P	2	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 X 16 X 1/4
Q1	1	COPPER NEUTRAL BUS WITH 1 #6 AND 8 #12 CONDUCTOR POINTS
R	1	CURRENT TRANSDUCER
S	1	MOTOROLA MOSCAD-L RADIO, 240 V
T*	1	CONTROL RELAY ASSEMBLY 240V COILS WITH 4 - 3PDT 25A RELAYS (W389ACX-15) (R1, R2, R3, R4), QTY 32 TERMINAL BLOCKS
V	20	TERMINAL BLOCKS
X*	1	620 AMP SPLICE BLOCK
Y	1	40-80 DEGREE THERMOSTAT
Z	1	375 WATT HEATER

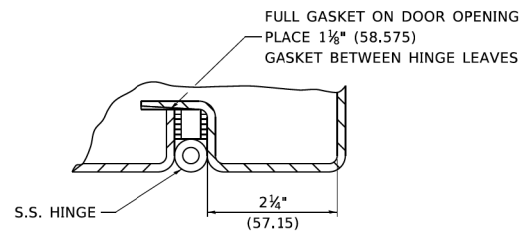
* TERMINALS SHALL BE COVERED WITH CLEAR PLEXIGLASS SHEET

USER NAME = Ieysa DESIGNED - R. TOMSONS DRAWN - CHECKED - DATE - 01-15-2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION	F.A. RTE. _____ SECTION _____ COUNTY _____ TOTAL SHEETS _____ SHEET NO. _____ BE-206 CONTRACT NO. _____ ILLINOIS FED. AID PROJECT
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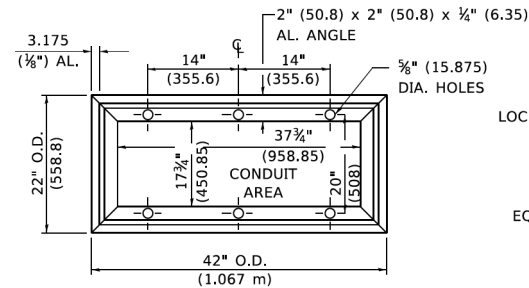
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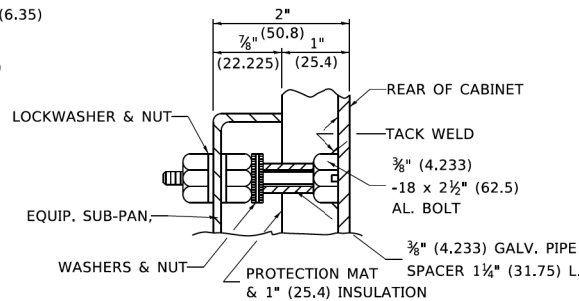




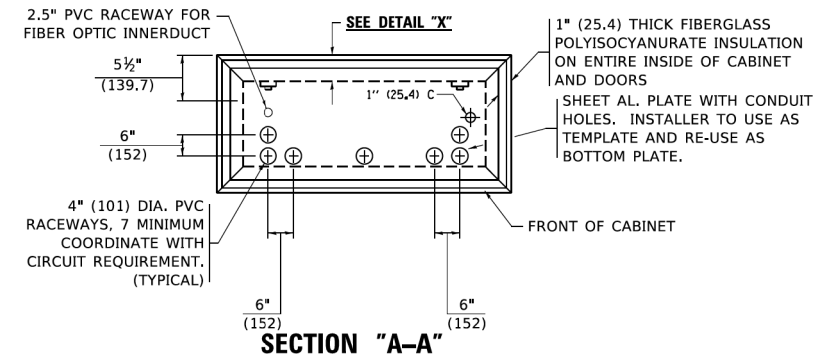
DETAIL "Y"



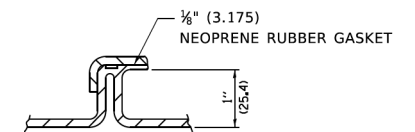
BASE MTG. DETAIL



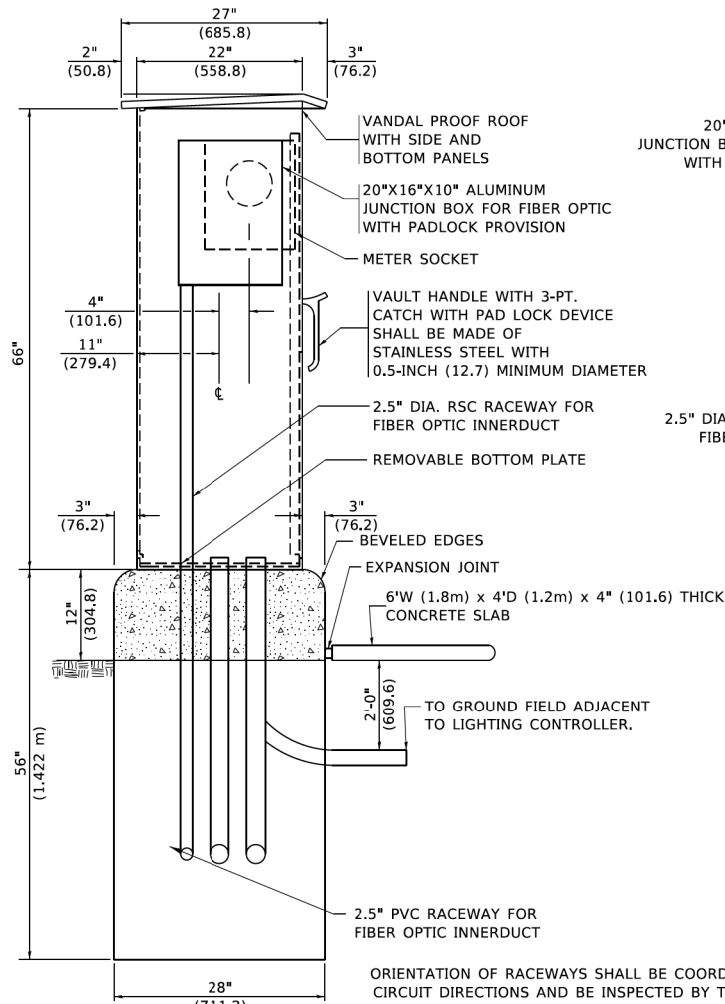
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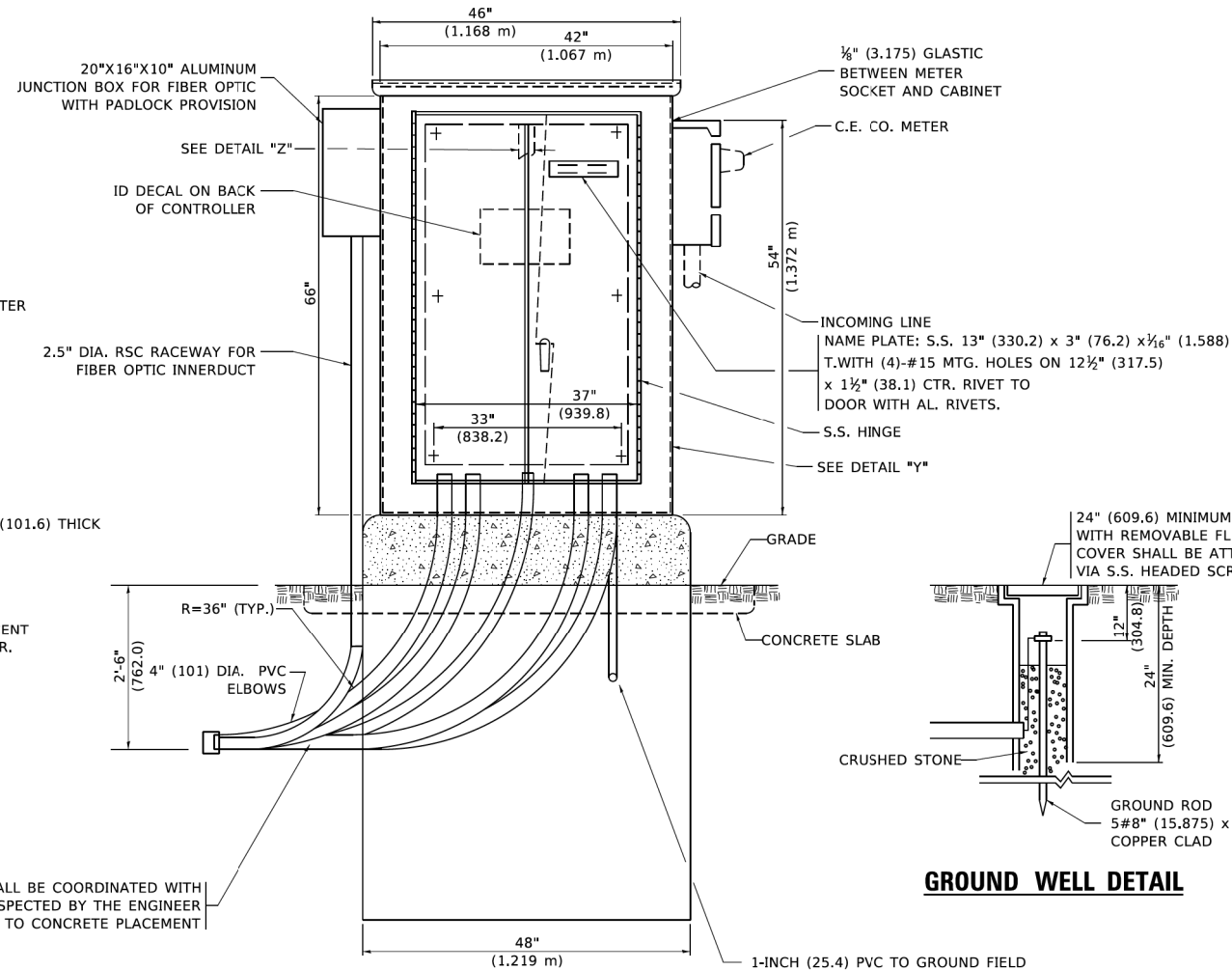
SECTION "A-A"



DETAIL "Z"

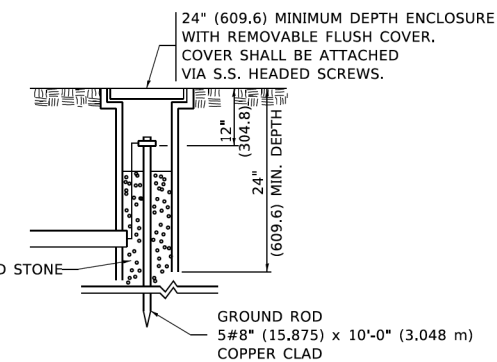


LEFT SIDE ELEVATION

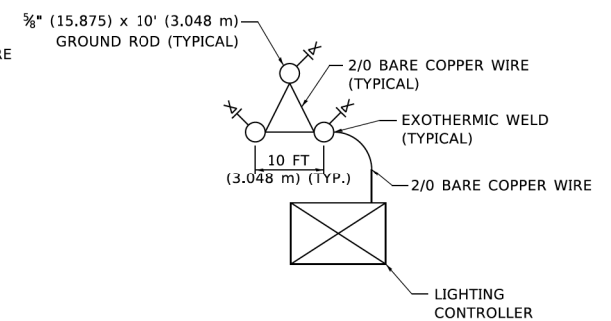


FRONT ELEVATION

1-INCH (25.4) PVC TO GROUND FIELD OF 3 GROUND RODS IN A 10 FT (3.048 m). TRIANGLE CONNECTED VIA BARE COPPER WIRE. VERIFY EXACT LOCATION OF GROUND FIELD WITH THE ENGINEER. NO GROUND WELL SHALL BE PLACED IN CONCRETE PAD IN FRONT OF CONTROLLER.



GROUND WELL DETAIL



GROUND FIELD DETAIL (N.T.S.)

THE CONTRACTOR SHALL VERIFY EXACT LOCATION WITH THE ENGINEER

MODEL: Default
FILE NAME: \\01011909\csc1140601\Task_Order_11062K55\04_CADD\CADD_Sheets\11062K55-Fiber-Optics\Sheet\206.dgn

USER NAME = leysa	DESIGNED - R. TOMSONS	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/15/2020	CHECKED -	REVISED -
	DATE - 01-15-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING CONTROLLER, BASE MOUNTED,
480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION**

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-206			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: \\01011909\csc1140601\Task_Order_11062K55\04_CADD\CADD_Sheets\11062K55-Fiber-Optics\Sheet\206.dgn

SINGH
SINGH + ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

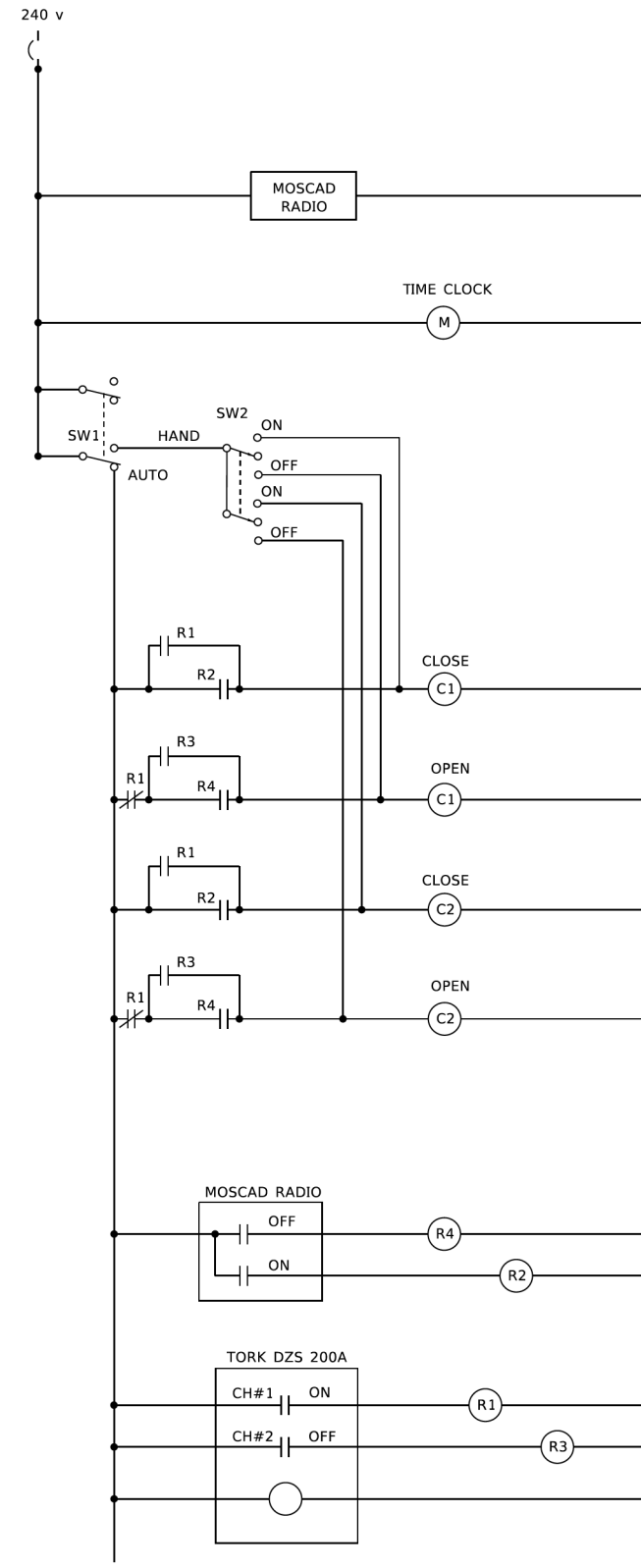
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	33
			CONTRACT NO. 62K55	
ILLINOIS FED. AID PROJECT				

SD-03

NOTES

- CABINET SHALL BE FABRICATED FROM 0.125-INCH (3.175) SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH (19.05) HIGH LETTERS FILLED IN BLACK: "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
- ONE INCH THICK POLYISOCYANURATE INSULATION SHALL BE INSTALL AND PERMANENTLY CEMENTED ON ALL SIDES OF THE CABINET AND DOORS.
- CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
- THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
- METAL MOUNTING PANEL SHALL BE FABRICATED FROM THE SAME MATERIAL AS THE CABINET AND SHALL BE FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
- CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH (3.175) THICK GLASTIC INSULATION BACK PANEL.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- TIME CLOCK CHANNEL 1 N.O. CONTACT IS CLOSED NIGHT AND OPEN DAY (LIGHTS ON).
- SET LATITUDE TO 42 DEGREES. SET CH.1 TO 23 MINUTES AFTER ASTRONOMICAL SUNSET, 50 MINUTES BEFORE ASTRONOMICAL SUNRISE. SET CH.2 TO 60 MINUTES AFTER ASTRONOMICAL SUNSET (WITH A SIGNAL LENGTH OF 1 SECOND), +28 MINUTES AFTER ASTRONOMICAL SUNRISE (WITH A SIGNAL LENGTH OF 7 SECONDS.)
- BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. 240V NEUTRAL BUS SHALL BE PAINTED WHITE, GROUND BUS SHALL BE PAINTED GREEN, AND THE 120V NEUTRAL BUS SHALL BE PAINTED GREY.
- ALL LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD.
- ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
- ALL CONTROL WIRING SHALL BE 600V #12 TYPE MTW, SCADA WIRING SHALL BE #18.
- ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:

R = RED	Y = YELLOW
B = BLACK	W = WHITE
BL = BLUE	G = GREEN
	G = GREY
- MOSCAD I/O WIRING SHALL BE:
 DIGITAL INPUT (DI) WIRING SHALL BE #18 MTW PURPLE.
 ANALOG INPUT (AI) WIRING SHALL BE #18, 2/C SHIELDED.
 AI AND DI WIRING MAY BE BUNDLED TOGETHER, BUT SHALL NOT BE BUNDLED WITH OTHER WIRING.
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
- SCHEMATIC SHOWN WITH BREAKER OPEN, CONTACTOR OPEN, CABINET DOOR CLOSED, CLOCK NOT ACTIVE (DE-ENERGIZED STATE).
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC AND SCADA I/O DIAGRAM (NO SMALLER THAN 11"x17" EACH) SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER WITH STAINLESS STEEL SCREWS.



CONTROL CIRCUIT LADDER LOGIC DIAGRAM

MOSCAD I/O ASSIGNMENTS		
TERM	MOSCAD DESTINATION	DESCRIPTION OF INPUT
1	DIGITAL INPUT 1	ALARM KNOWLEDGE
2	DIGITAL INPUT 2	DOOR OPEN
3	DIGITAL INPUT 3	MAIN(S) BREAKER OPEN
4	DIGITAL INPUT 4	CONTACTOR 1 OPEN
5	DIGITAL INPUT 5	CONTACTOR 2 OPEN
6	DIGITAL INPUT 6	CABINET IN NON-AUTO
7	DIGITAL INPUT 7	BACK-UP CLOCK OFF CALL
8	DIGITAL INPUT 8	BACK-UP CLOCK ON CALL
17	24 V+	24+VDC
18	DI COMMON	COMMON
21	K1 C	K1 COMMON
22	K1 NO	LIGHTS ON CALL
24	K2 C	K2 COMMON
25	K2 NO	LIGHTS OFF CALL
32	ANALOG INPUT 1 (+)	CABINET NEUTRAL CURRENT
33	ANALOG INPUT 1 (-)	CABINET NEUTRAL CURRENT
34	ANALOG INPUT 2 (+)	CABINET SERVICE VOLTAGE
35	ANALOG INPUT 2 (-)	CABINET SERVICE VOLTAGE
40	P. GROUND	GROUND

ALL ANALOG INPUTS WILL BE 4-20 MA ONLY. DIGITAL OUTPUT RELAYS WILL BE ELECTRICALLY ENERGIZED AND MOMENTARILY HELD
 MIXED I/O MODULE MODEL NUMBER V436

USER NAME = Ieysa	DESIGNED - B. TOMSONS	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA - FIBER OPTIC PROVISION				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,0000' / in.	CHECKED - _____	REVISED - _____							SCALE: NONE	SHEET 4	OF 4	SHEETS	STA. _____
PLOT DATE = 1/15/2020	DATE - 01-15-2020	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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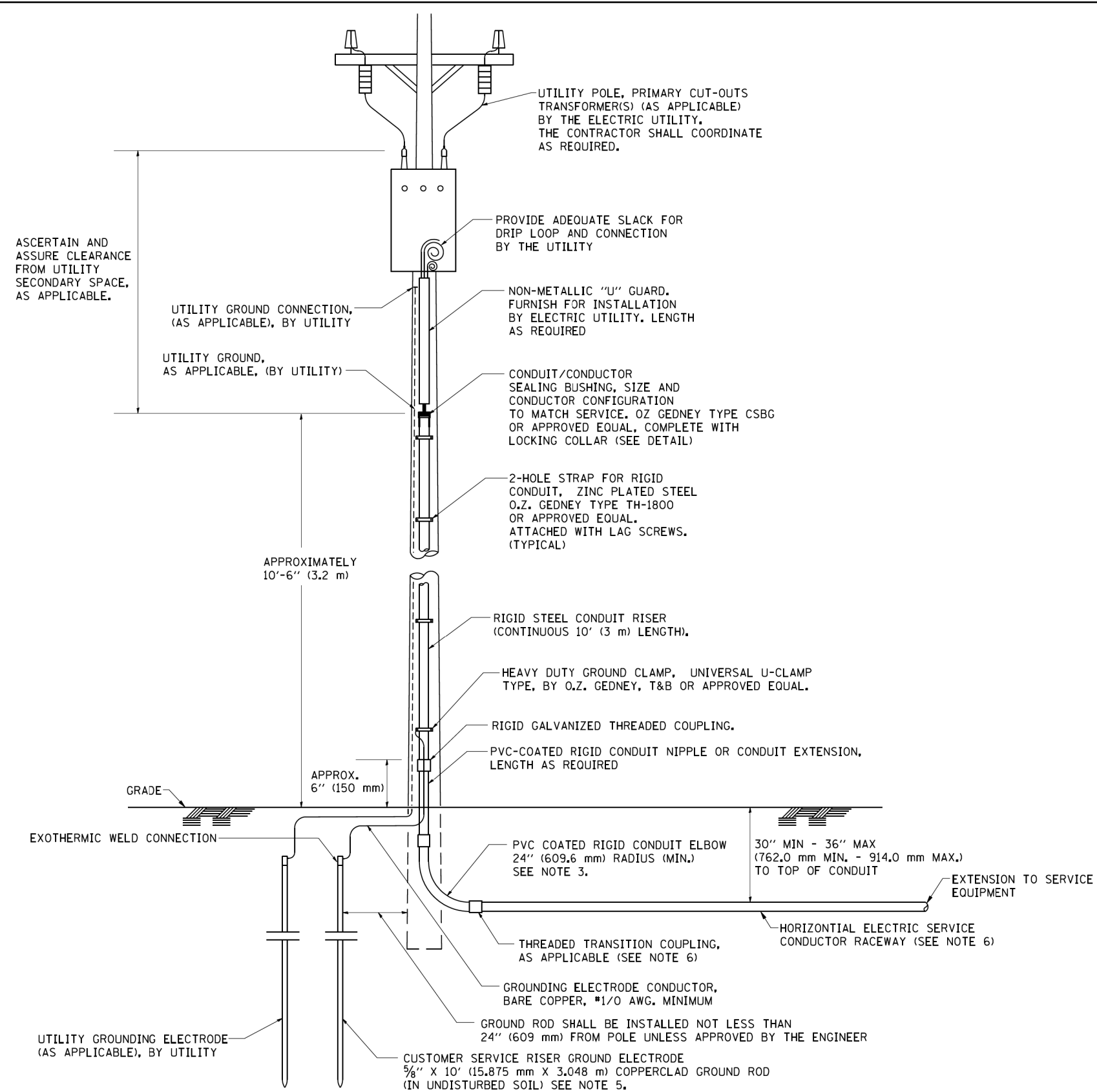


USER NAME = mgarvida	DESIGNED - BN/MG	REVISED - _____
	DRAWN - UCM	REVISED - _____
PLOT SCALE = 2' / in.	CHECKED - RP	REVISED - _____
PLOT DATE = 3/20/2020	DATE - 3/19/2020	REVISED - _____

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
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IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS			
SCALE:	SHEET	OF	SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

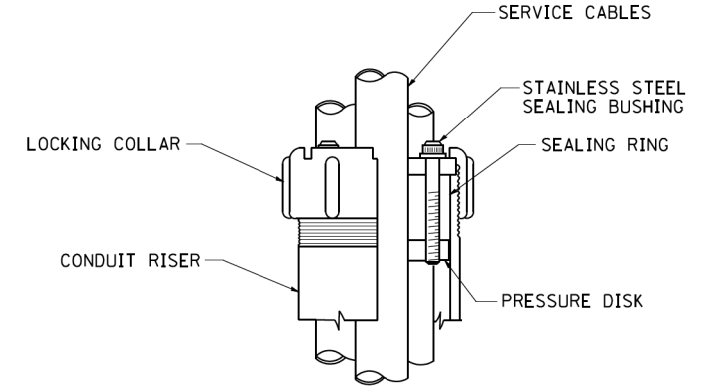


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPARATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER, WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

FILE NAME = W:\dststd\22x34\be228.dgn	USER NAME = gajlanobt	DESIGNED - DRAWN -	REVISD - 03-03-06 REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/4/2008	DATE -	REVISD -	REVISD -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

SD-05

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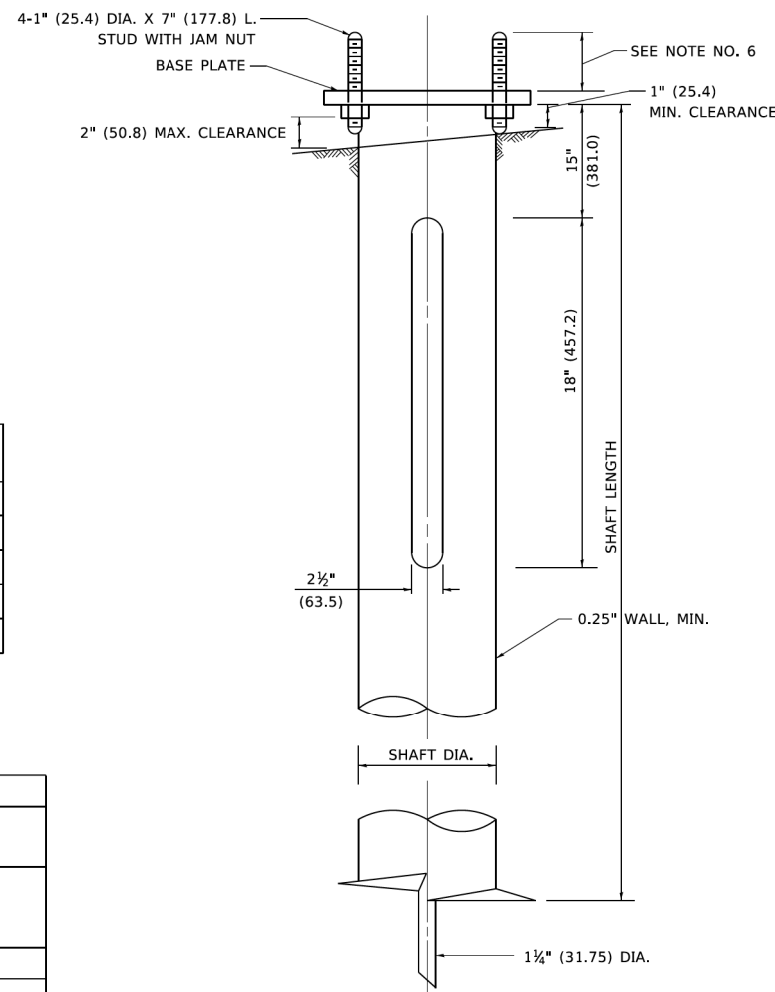
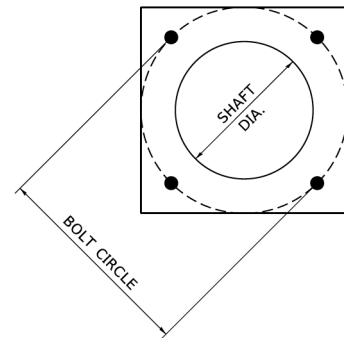


USER NAME = mgarvida	DESIGNED - BN/MG	REVISD -
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PLOT SCALE = 2' / in.	CHECKED - RP	REVISD -
PLOT DATE = 3/20/2020	DATE - 3/19/2020	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS			
SCALE:	SHEET	OF	SHEETS
			STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	35
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				



NOTES

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

USER NAME = mgarvid	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT POLE FOUNDATION, METAL				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50,000' / in.	DRAWN - DLB	REVISED -						SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.				BE-305 CONTRACT NO.
PLOT DATE = 4/19/2019	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
DATE - 02-27-07	REVISIED -	REVISED -										

SD-06

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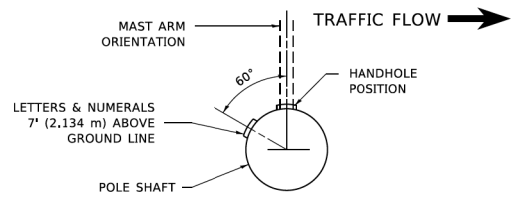


USER NAME = mgarvid	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
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DATE - 3/19/2020	REVISIED -	REVISED -

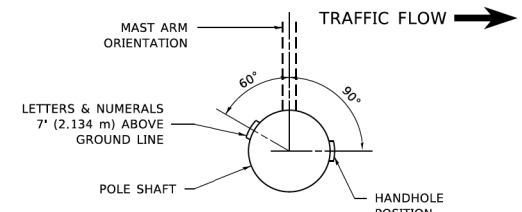
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS			
SCALE:	SHEET	OF	SHEETS
		STA.	TO STA.

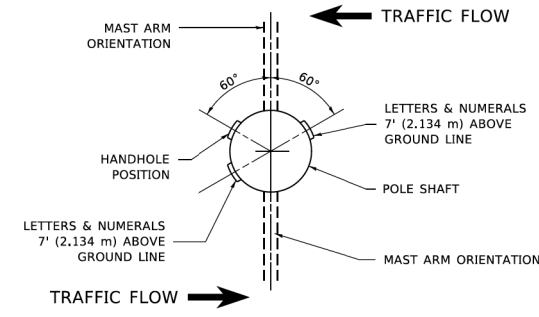
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-182-L	WILL	45	36
				CONTRACT NO. 62K55
				ILLINOIS FED. AID PROJECT



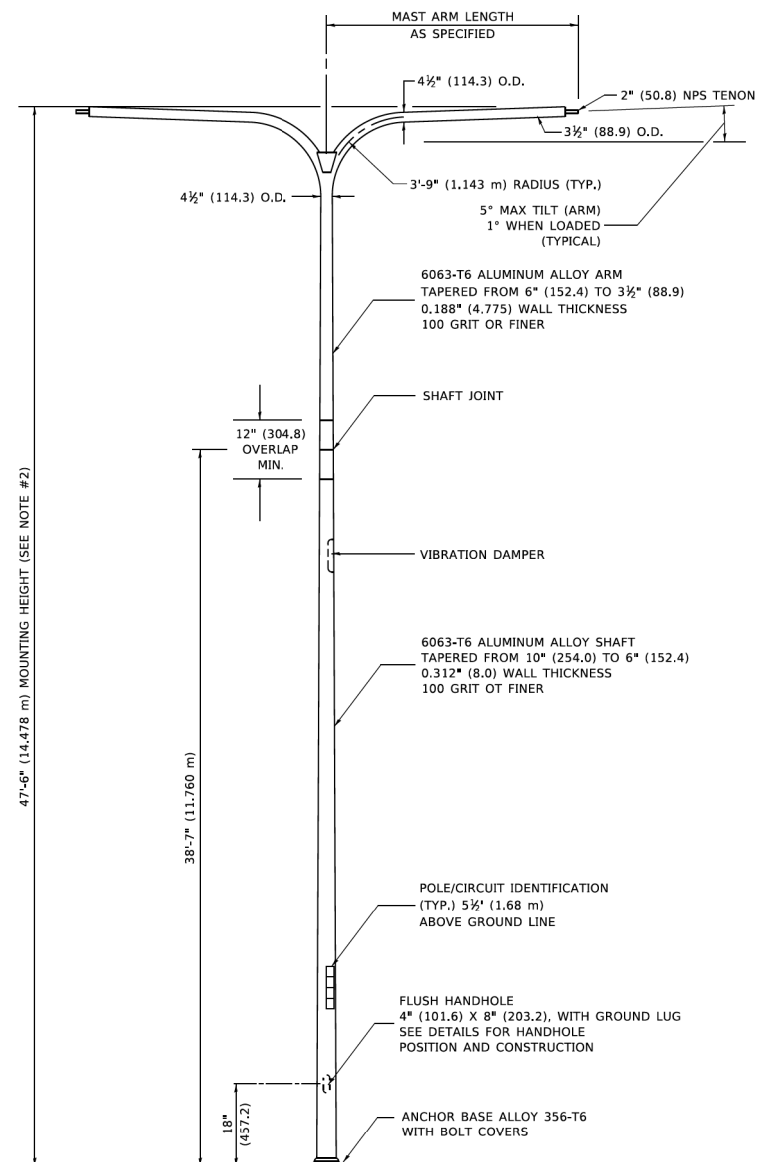
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



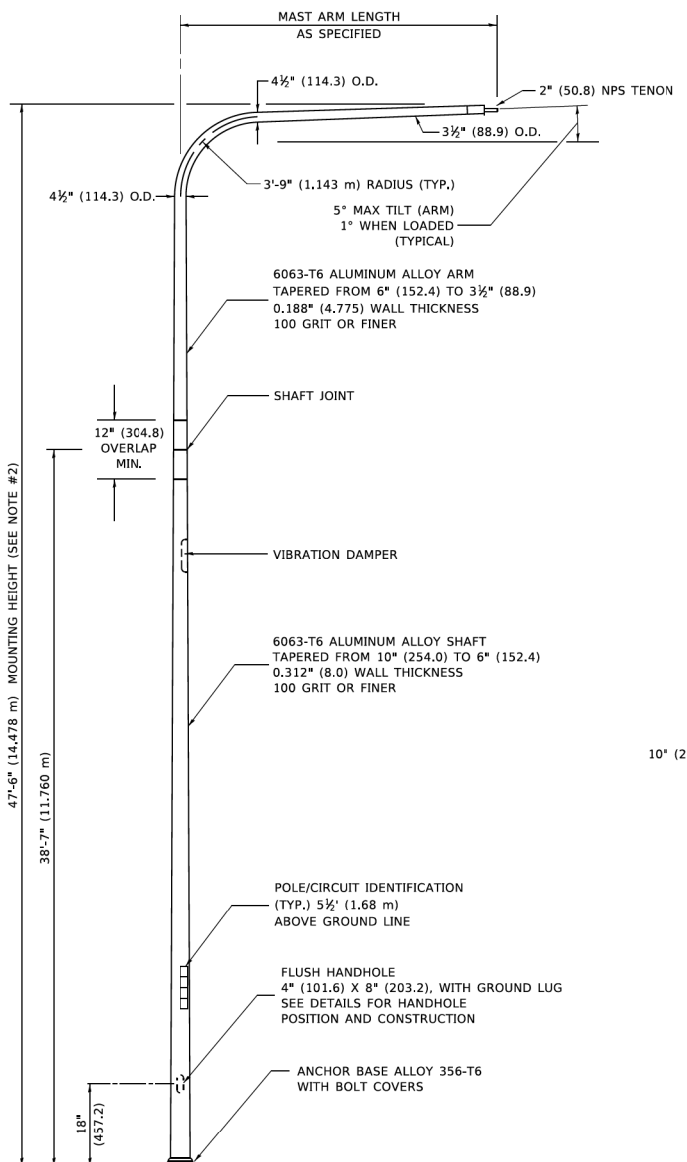
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



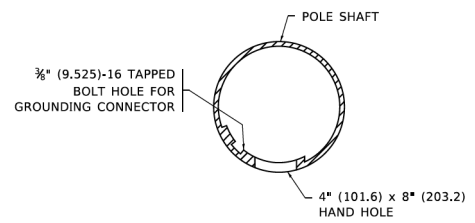
POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



TWIN ARM POLE

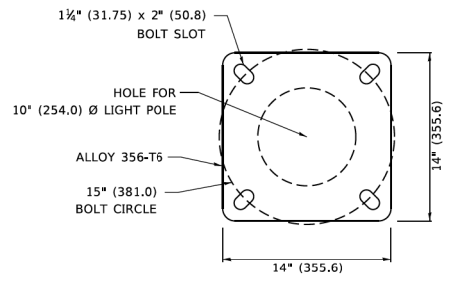


SINGLE ARM POLE



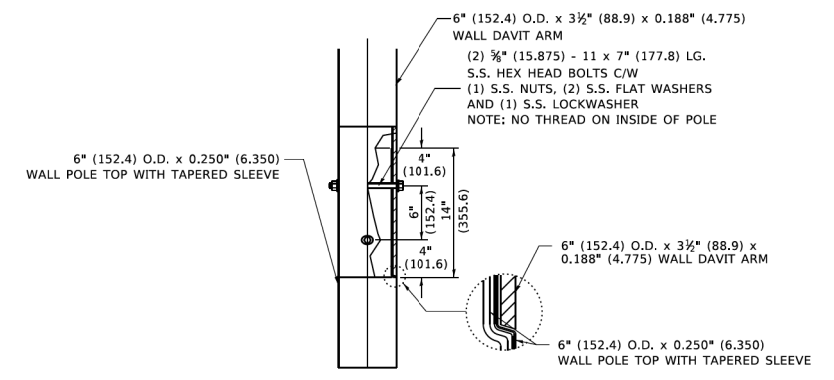
HANDHOLE DETAIL

(N.T.S.)



LIGHT POLE BASE PLATE DETAIL

(FOR POLE MOUNTED ON 15 INCH (381.0) BOLT CIRCLE FOUNDATION)



DAVIT ARM CONNECTION

[14" (355.6) OVERLAP SHOWN]

NOTES

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

MODEL: D:\burea\...
 FILE NAME: ...
 PROJECT: ...

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PLOT DATE = 4/19/2019	CHECKED -	REVISED - R. TOMSONS 09-02-03
	DATE -	REVISED - R. TOMSONS 01-18-13

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DAVIT LIGHT POLE			
47'-6" (14.478 m) MOUNTING HEIGHT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-410			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

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 PROJECT: ...

SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

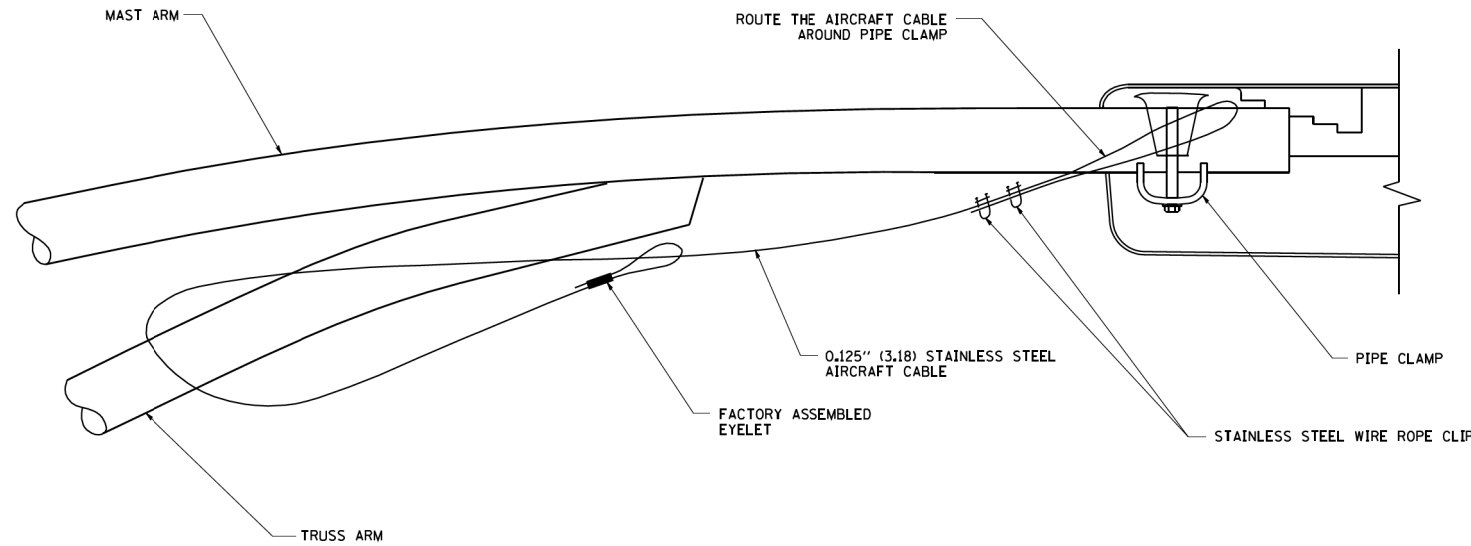
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PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

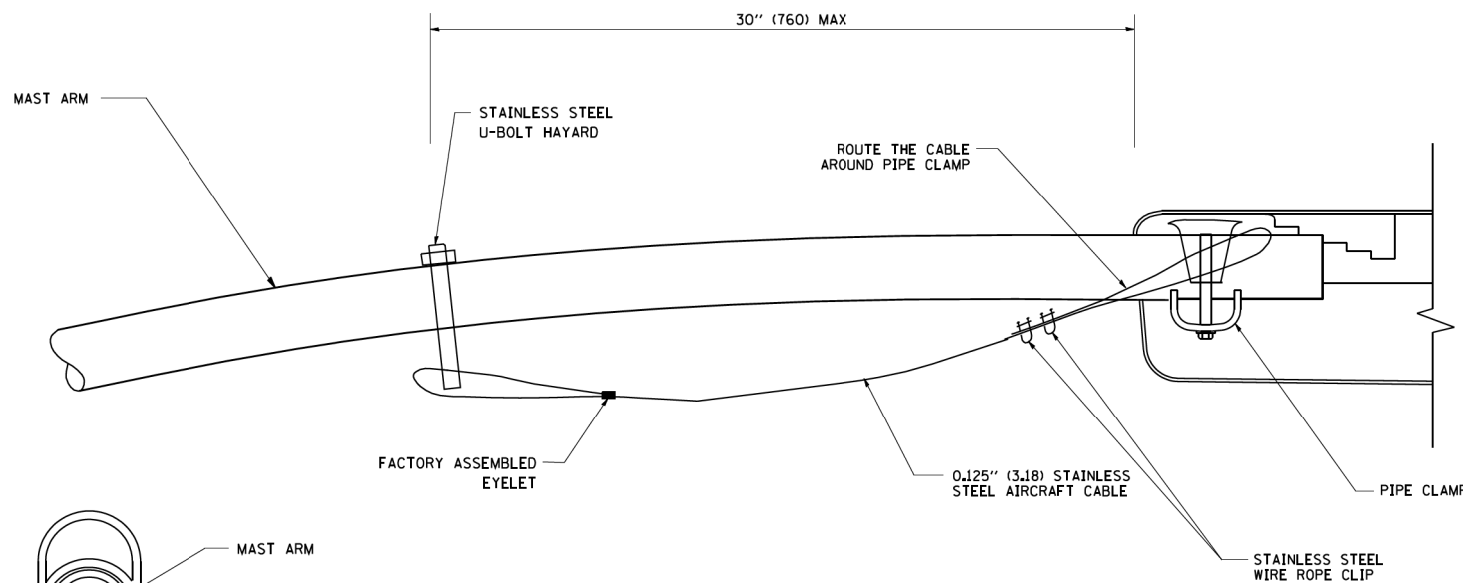
IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS			
SCALE:	SHEET	OF	SHEETS
			STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	37
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

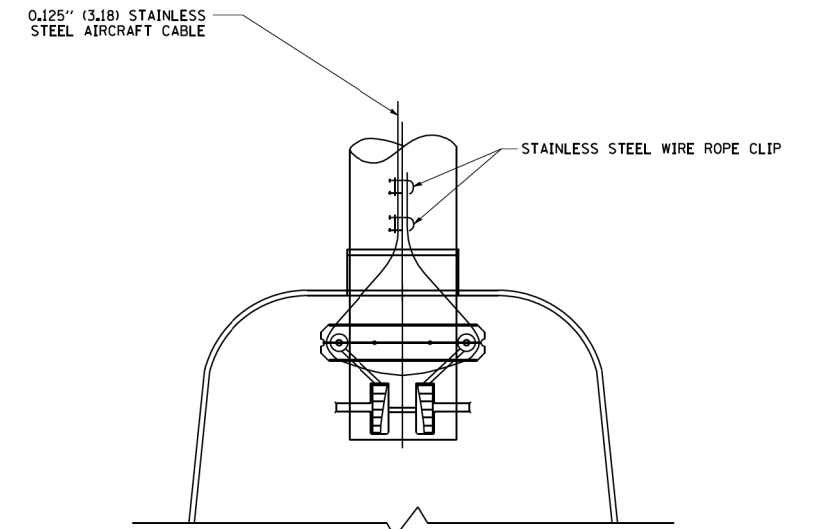
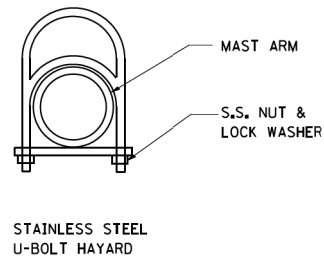
SD-07



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



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



BOTTOM VIEW
N.T.S.

NOTES:

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

FILE NAME = W:\dststd\22x34\ba781.dgn	USER NAME = gaglianobt	DESIGNED - UCM	REVISED - 08-08-03
PLOT SCALE = 50.000' / IN.	CHECKED - RP	REVISIONS	
PLOT DATE = 1/4/2008	DATE = 3/19/2020		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS

LUMINAIRE SAFETY CABLE ASSEMBLY			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-701		45	38
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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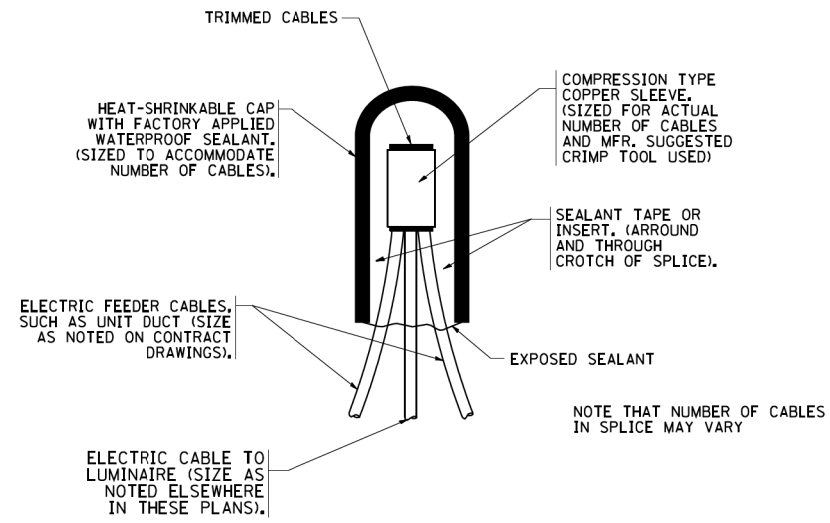


USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2' / in.	CHECKED - RP	REVISIONS
PLOT DATE = 3/20/2020	DATE = 3/19/2020	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
SCALE:	SHEET OF SHEETS

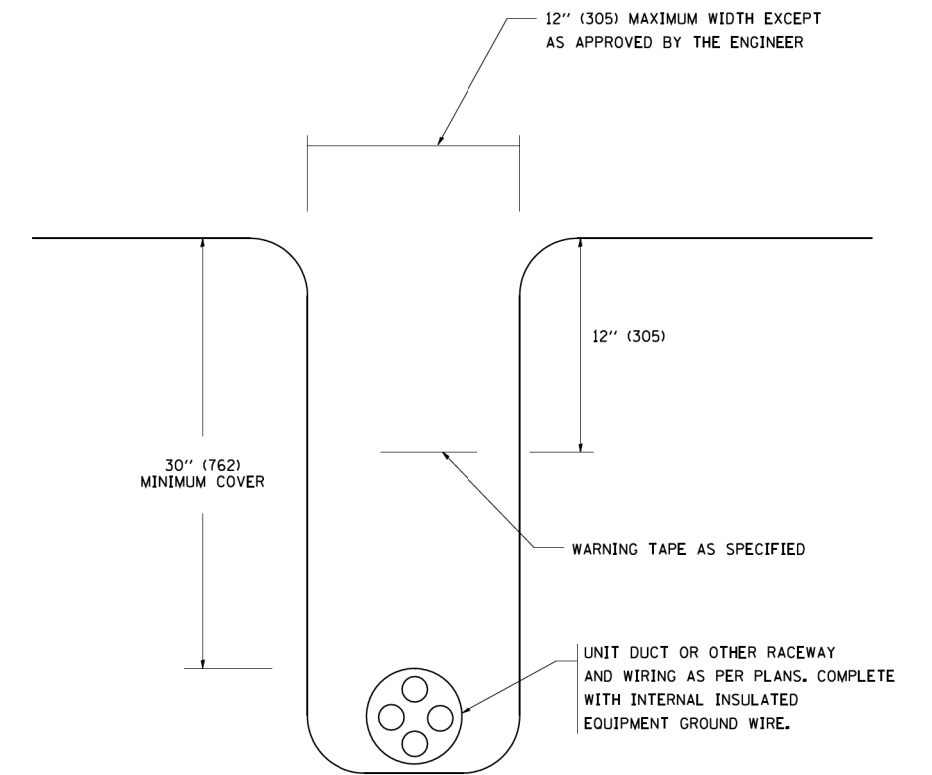
IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS			
SCALE:	SHEET OF SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	38
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				



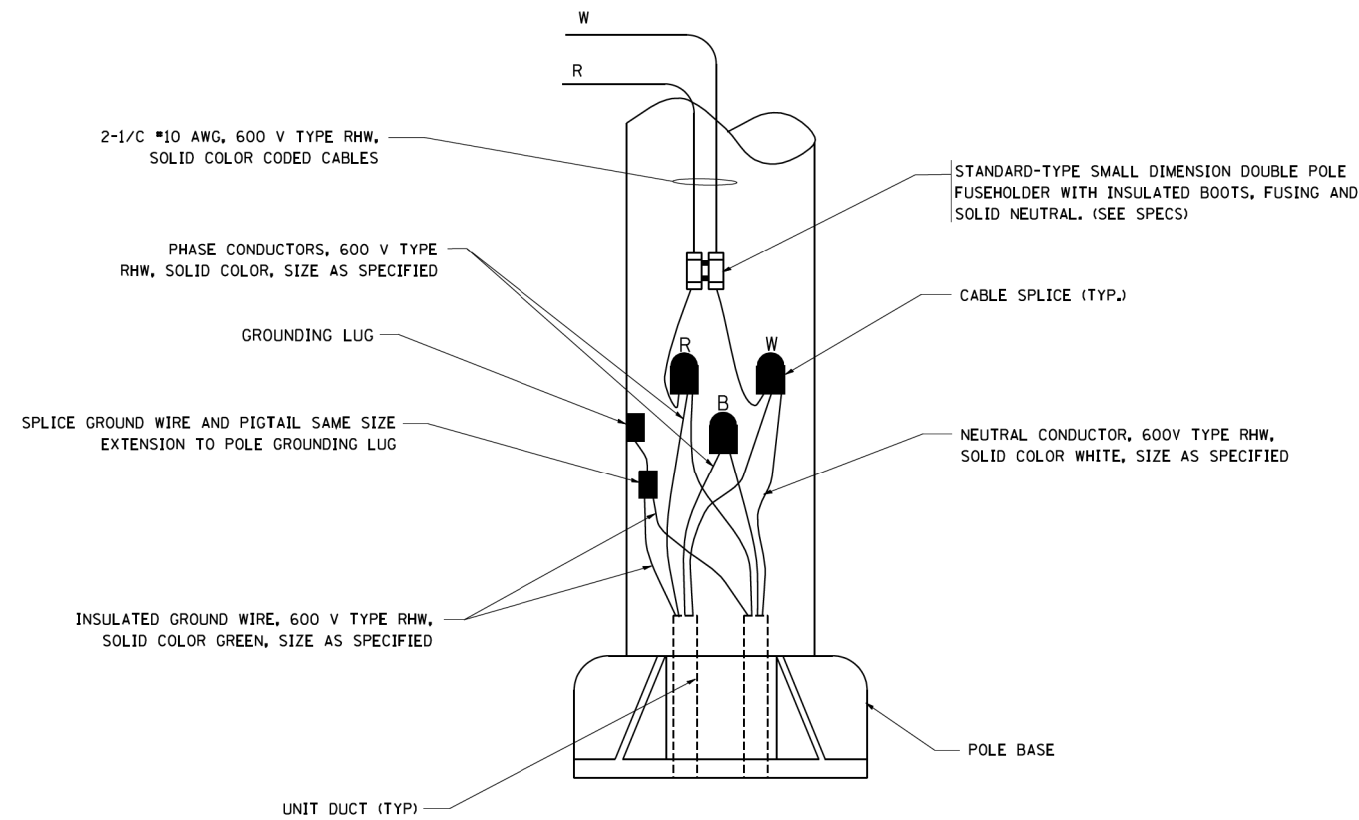
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

FILE NAME = W:\dststd\22x34\be782.dgn	USER NAME = gajlanobt	DESIGNED - DRAWN -	REVISD - 08-08-03 REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISC. ELECTRICAL DETAILS SHEET A			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISD -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BE-702		CONTRACT NO.	
	PLOT DATE = 1/4/2008	DATE -	REVISD -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

SD-09

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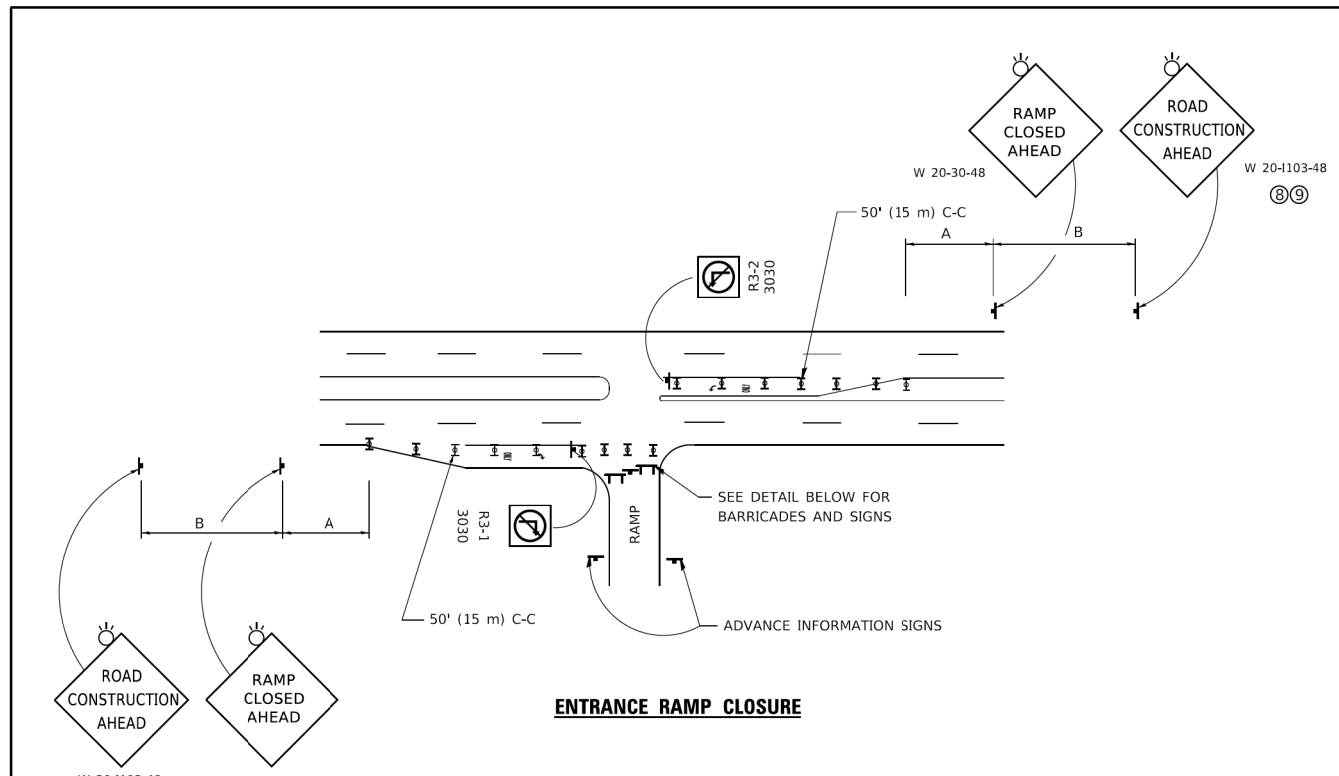


USER NAME = mgarvida	DESIGNED - BN/MG	REVISD -
	DRAWN - UCM	REVISD -
PLOT SCALE = 2' / in.	CHECKED - RP	REVISD -
PLOT DATE = 3/20/2020	DATE - 3/19/2020	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-BUREAU OF ELECTRICAL DETAIL STANDARDS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-182-L	WILL	45	39
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				

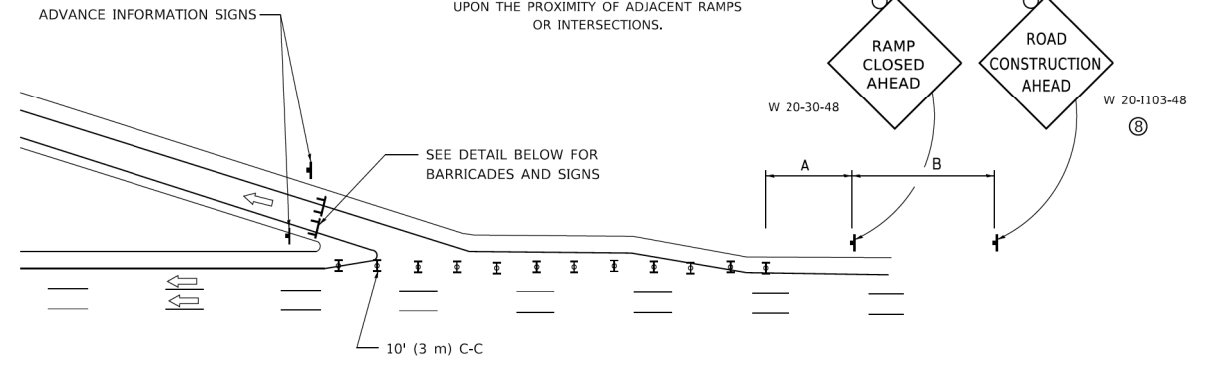
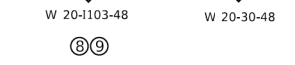


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

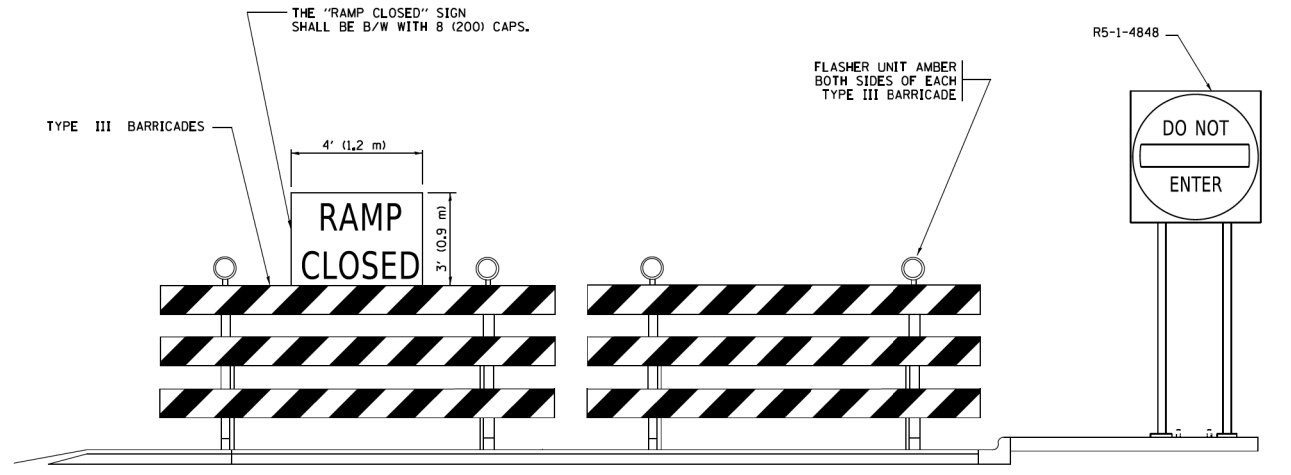
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.

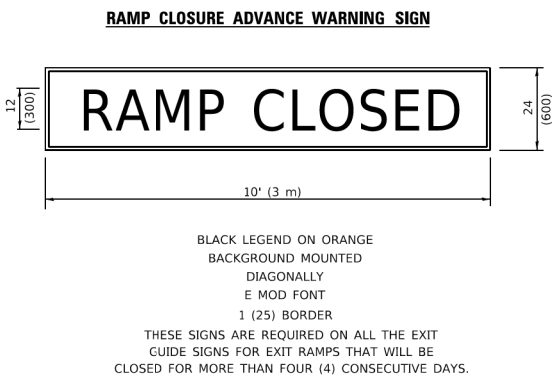


EXIT RAMP CLOSURE

- SYMBOLS**
- ☐ TYPE II BARRICADE OR DRUM
 - ☐ TYPE III BARRICADE WITH 2 FLASHING LIGHTS

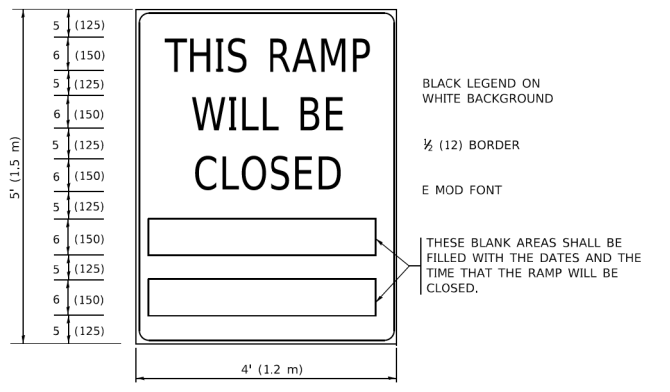


DETAIL FOR REQUIRED BARRICADES & SIGNS



RAMP CLOSURE ADVANCE WARNING SIGN

BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.



RAMP CLOSURE ADVANCE INFORMATION SIGN

BLACK LEGEND ON WHITE BACKGROUND
1/2 (12) BORDER
E MOD FONT
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP. MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- 1 CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 2 VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES. PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- 5 THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 7 THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- 8 ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- 9 ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B._01-07
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - S.P.B._12-09
PLOT DATE = 3/4/2019	CHECKED -	REVISED - M.D._06-13
	DATE - 02-83	REVISED - M.D._01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			TC-08		CONTRACT NO.		
			ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: \\0131P09\cscs\140601\Task_Order\11062K55\04_CADD\CADD_Sheets\11062K55-ph-stan\drwd-11.dgn



USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

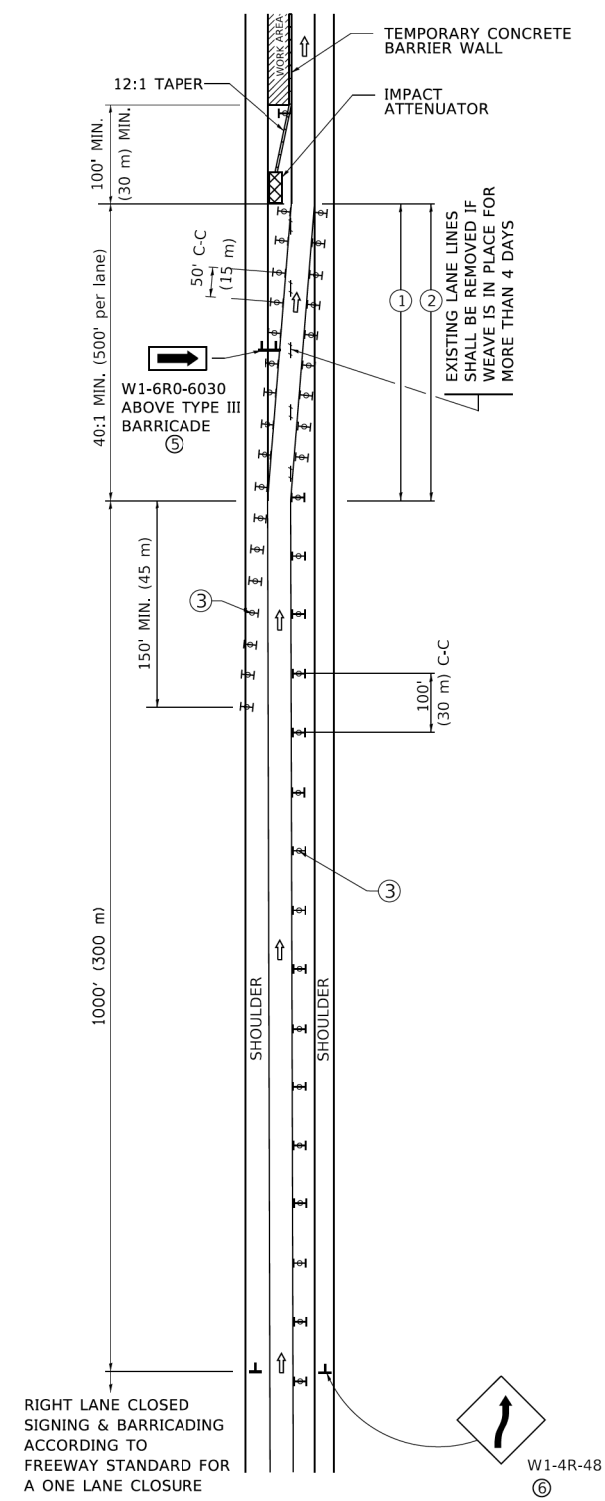
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-TRAFFIC CONTROL STANDARDS

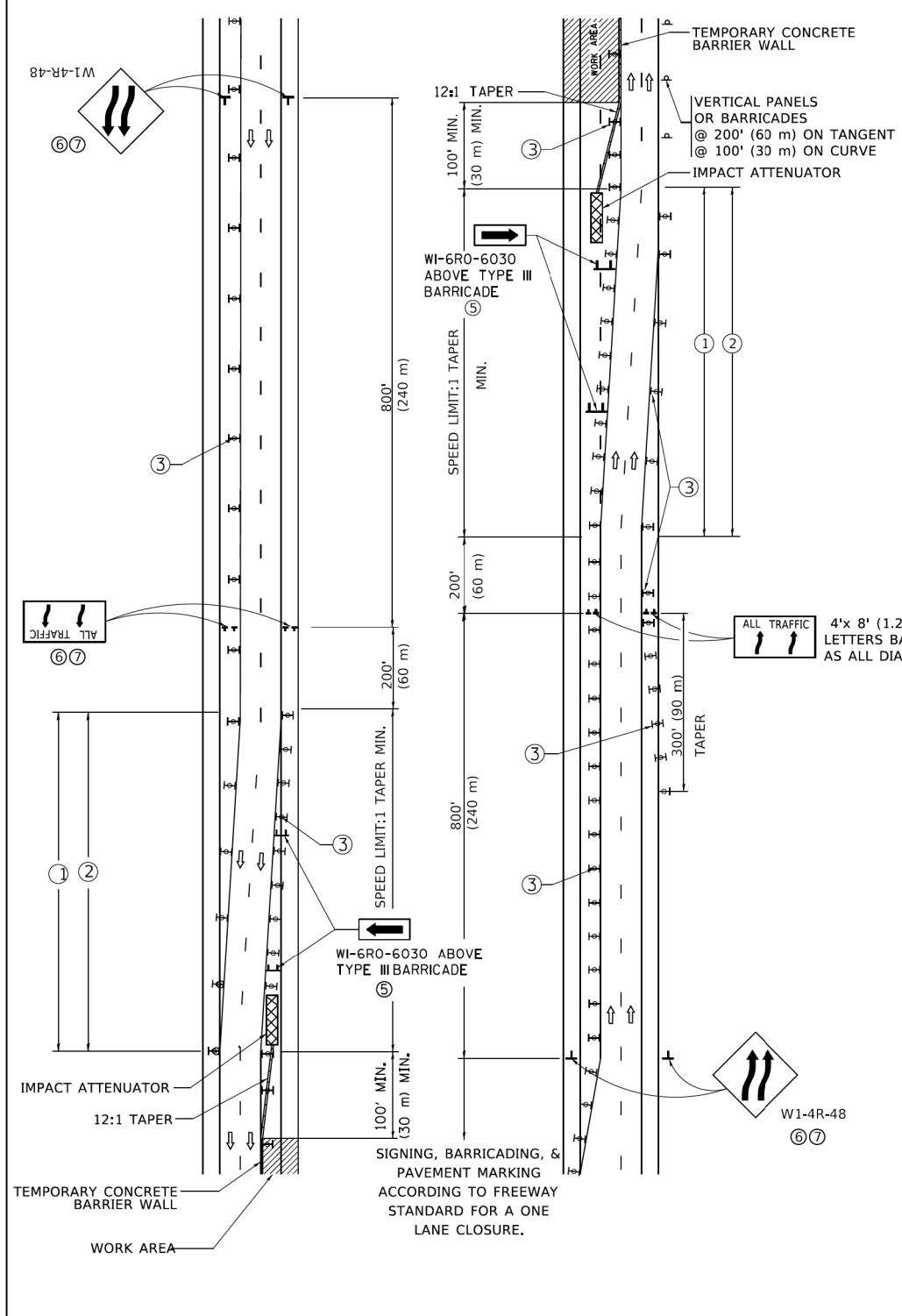
SCALE:	SHEET OF SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			0055	2019-182-L	WILL	45	41
			CONTRACT NO. 62K55				
			ILLINOIS FED. AID PROJECT				

SD-11

SINGLE LANE WEAVE



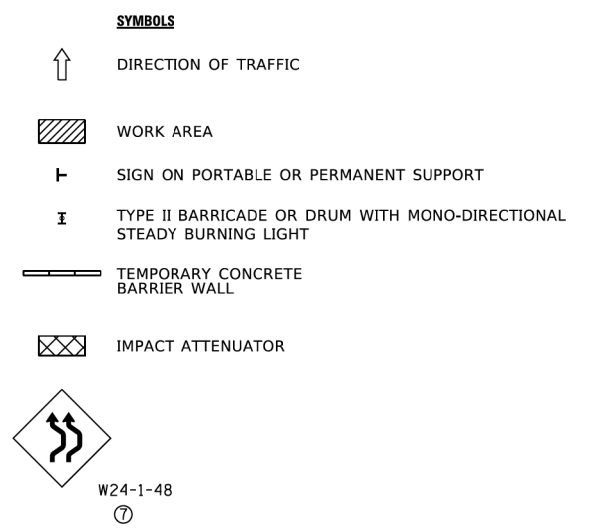
MULTI-LANE WEAVE



GENERAL NOTES:

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

ALL TRAFFIC 4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
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MODEL: Default
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USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - S.P.B. 01-07
PLOT DATE = 3/4/2019	CHECKED -	REVISED - S.P.B. 12-09
	DATE - 02-87	REVISED - M.D. 06-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-09			
ILLINOIS			FED. AID PROJECT	

MODEL: Default
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USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
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PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

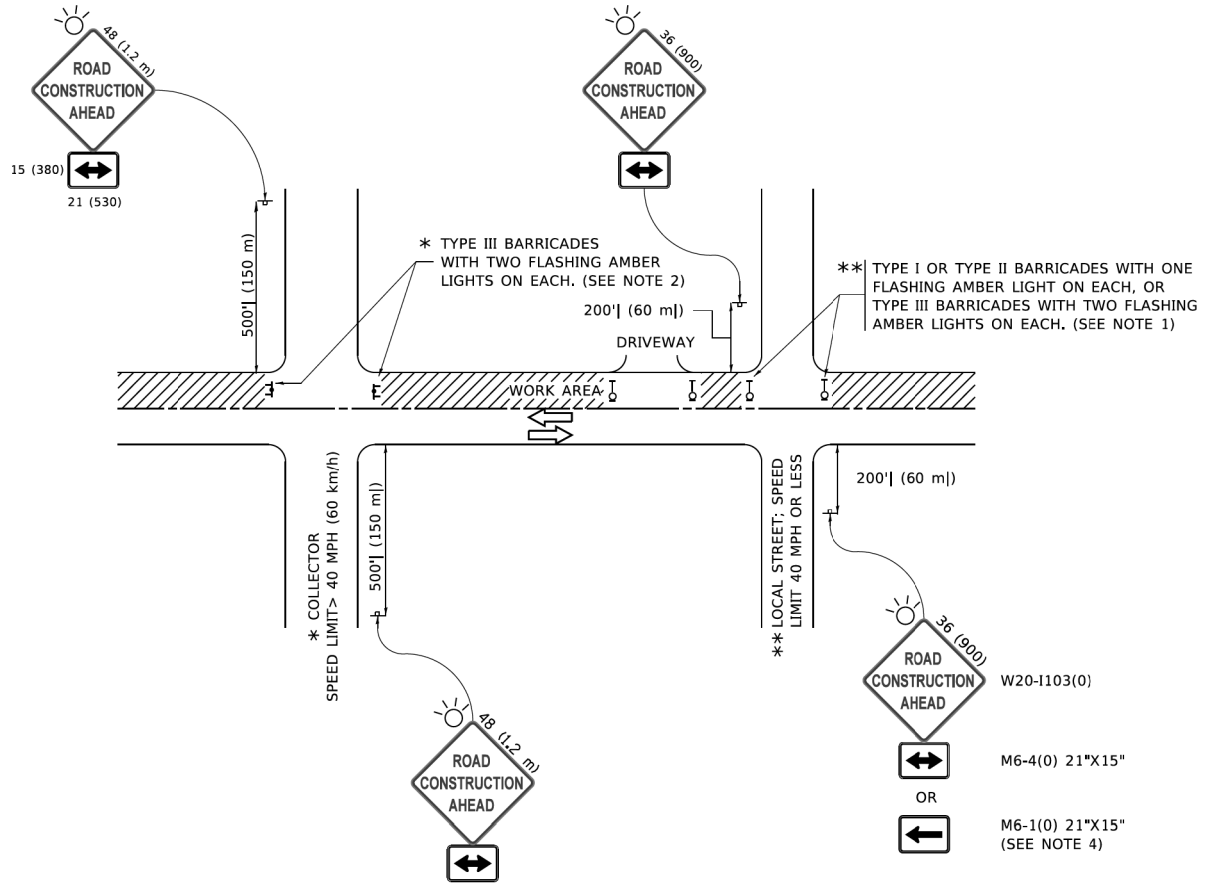
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1-TRAFFIC CONTROL STANDARDS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	42
ILLINOIS			FED. AID PROJECT	

MODEL: Default
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MODEL: Default
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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.
- 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.

USER NAME = footej	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

SD-13



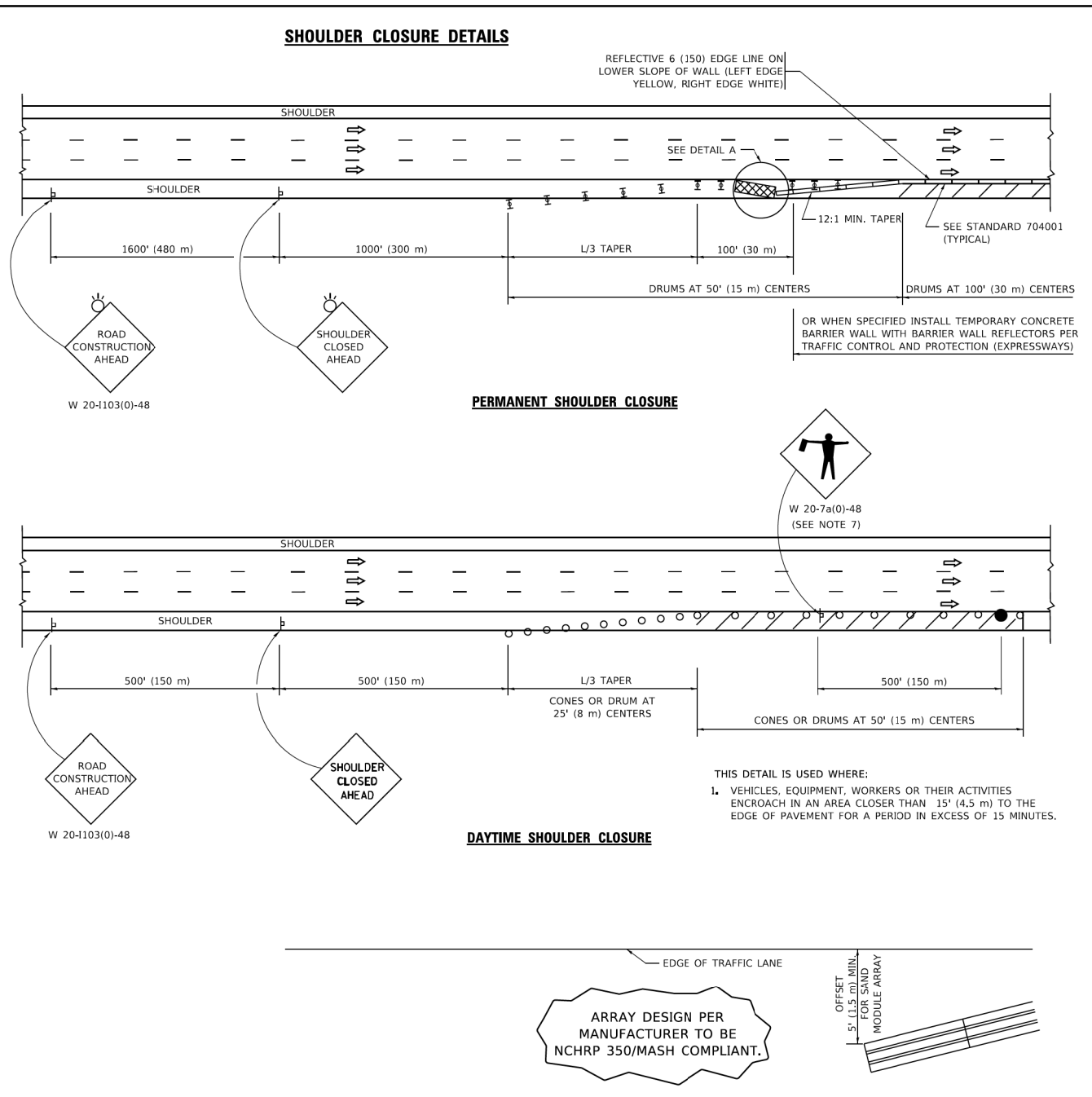
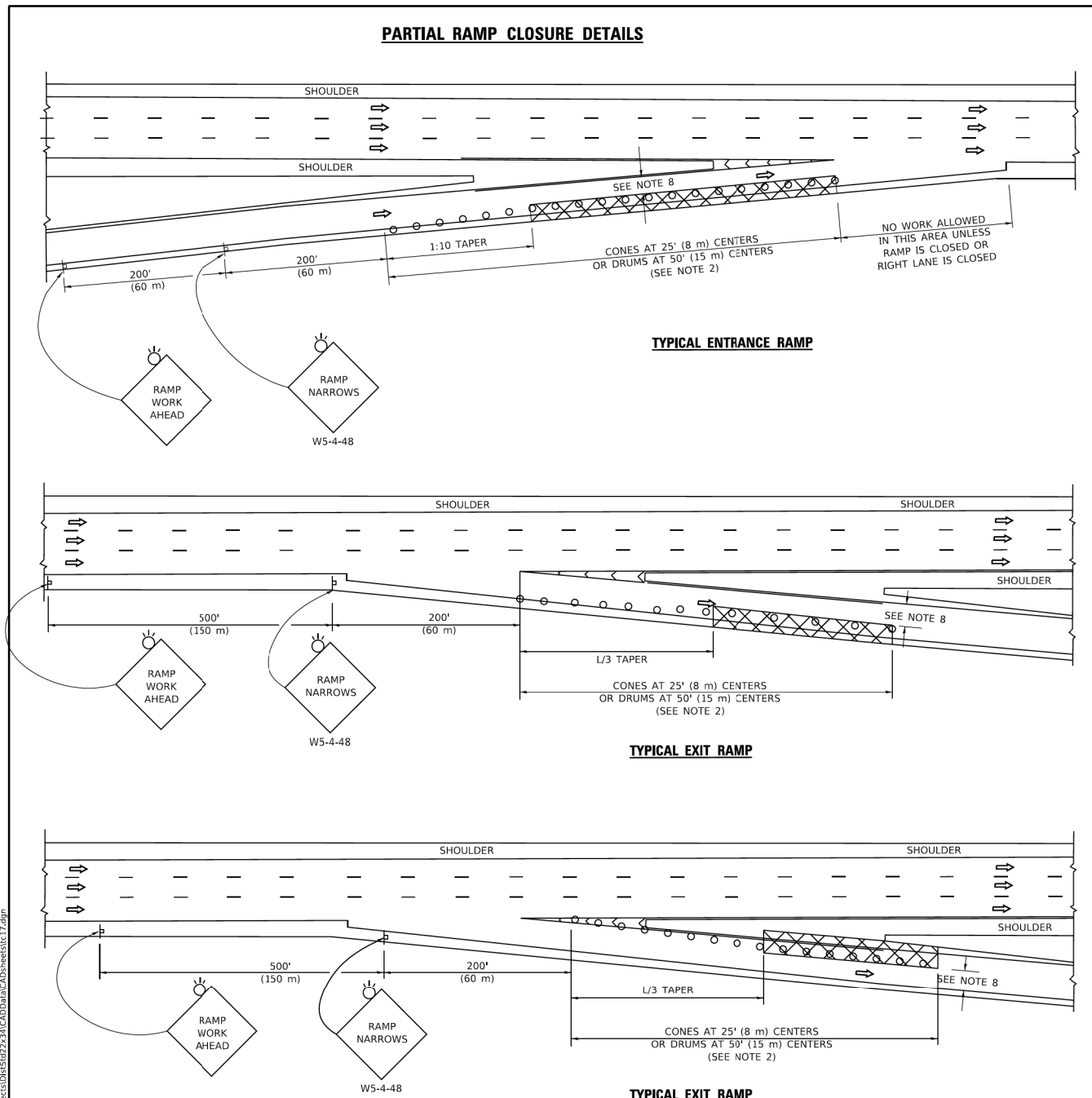
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PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IDOT D1-TRAFFIC CONTROL STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	43
CONTRACT NO. 62K55				
ILLINOIS FED. AID PROJECT				



- SYMBOLS**
- ACTIVE WORK AREA
 - SIGN ON PORTABLE OR PERMANENT SUPPORT
 - FLAGGER WITH CONTROL SIGN
 - TYPE II BARRICADE OR DRUM
 - CONE, DRUM OR BARRICADE
 - IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

- GENERAL NOTES:**
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
 - TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES, TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
 - ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
 - FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

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

USER NAME = footemj	DESIGNED -	REVISED - S.P.B. 01-07
PLOT SCALE = 50.0000' / in.	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT DATE = 3/4/2019	CHECKED -	REVISED - M.D. 06-13
	DATE - 11-96	REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-17			CONTRACT NO.	
ILLINOIS			FED. AID PROJECT	

USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

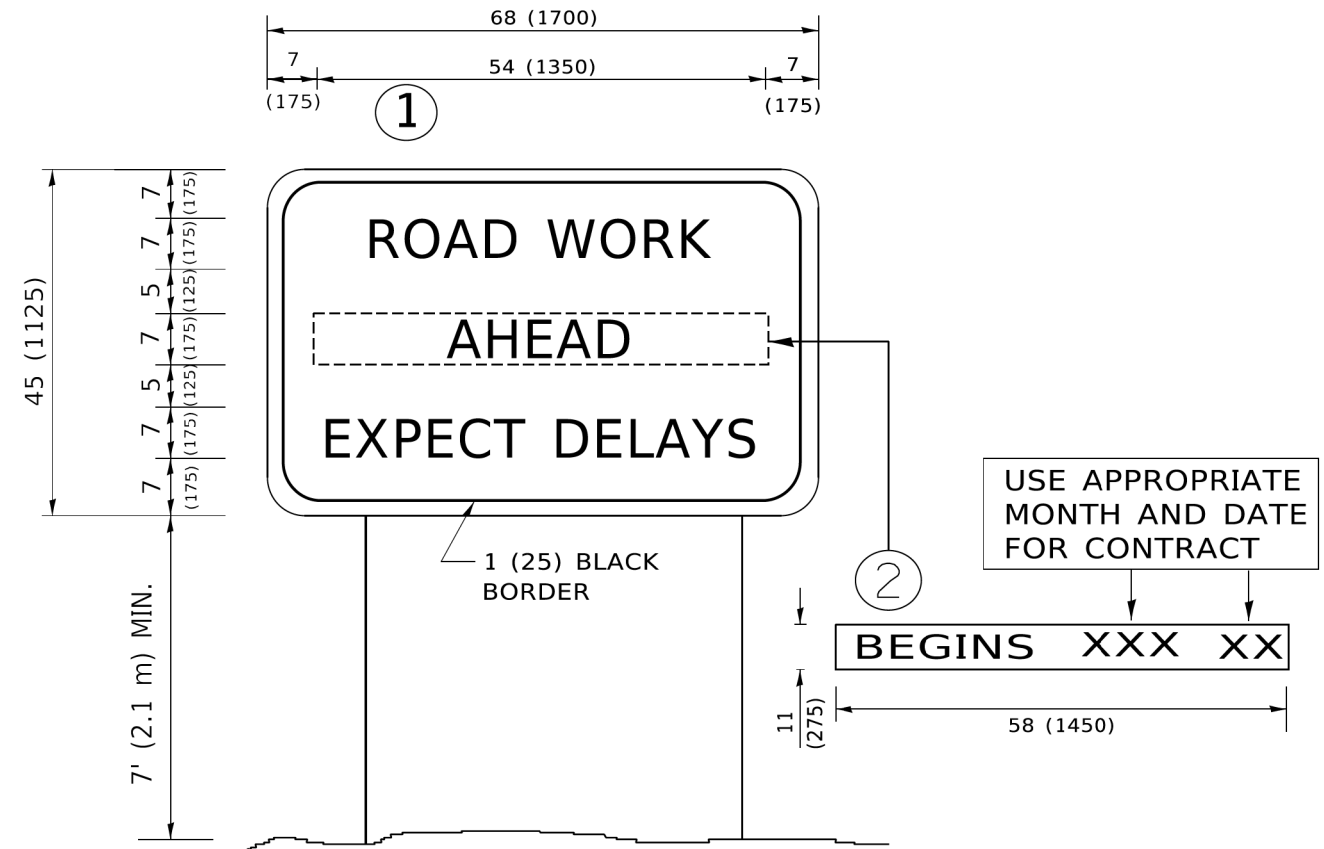
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1-TRAFFIC CONTROL STANDARDS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0055	2019-182-L	WILL	45	44
			CONTRACT NO. 62K55	
ILLINOIS			FED. AID PROJECT	

MODEL: Default
FILE NAME: \\0131P09\csc140601\Task_Order_11062K55\04_CADD\CADD_Sheets\1062K55-ph-standards-14.dgn





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 SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON 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.

MODEL: Default
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USER NAME = foatemj	DESIGNED -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	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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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-22			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

MODEL: Default
FILE NAME: \\0131909\cscs\140601\Task-Order_11162\K55\04_CADD\CADD_Sheets\DOT Documents\DOT_Offices\Birtick_1\Projects\IDK55022\31\CADD\04\CAD\Sheet\K55\22.dgn



USER NAME = mgarvida	DESIGNED - BN/MG	REVISED -
PLOT SCALE = 2' / in.	DRAWN - UCM	REVISED -
PLOT DATE = 3/20/2020	CHECKED - RP	REVISED -
	DATE - 3/19/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1-TRAFFIC CONTROL STANDARDS

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-182-L	WILL	45	45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K55	