

LANDSCAPING PLAN LEGEND



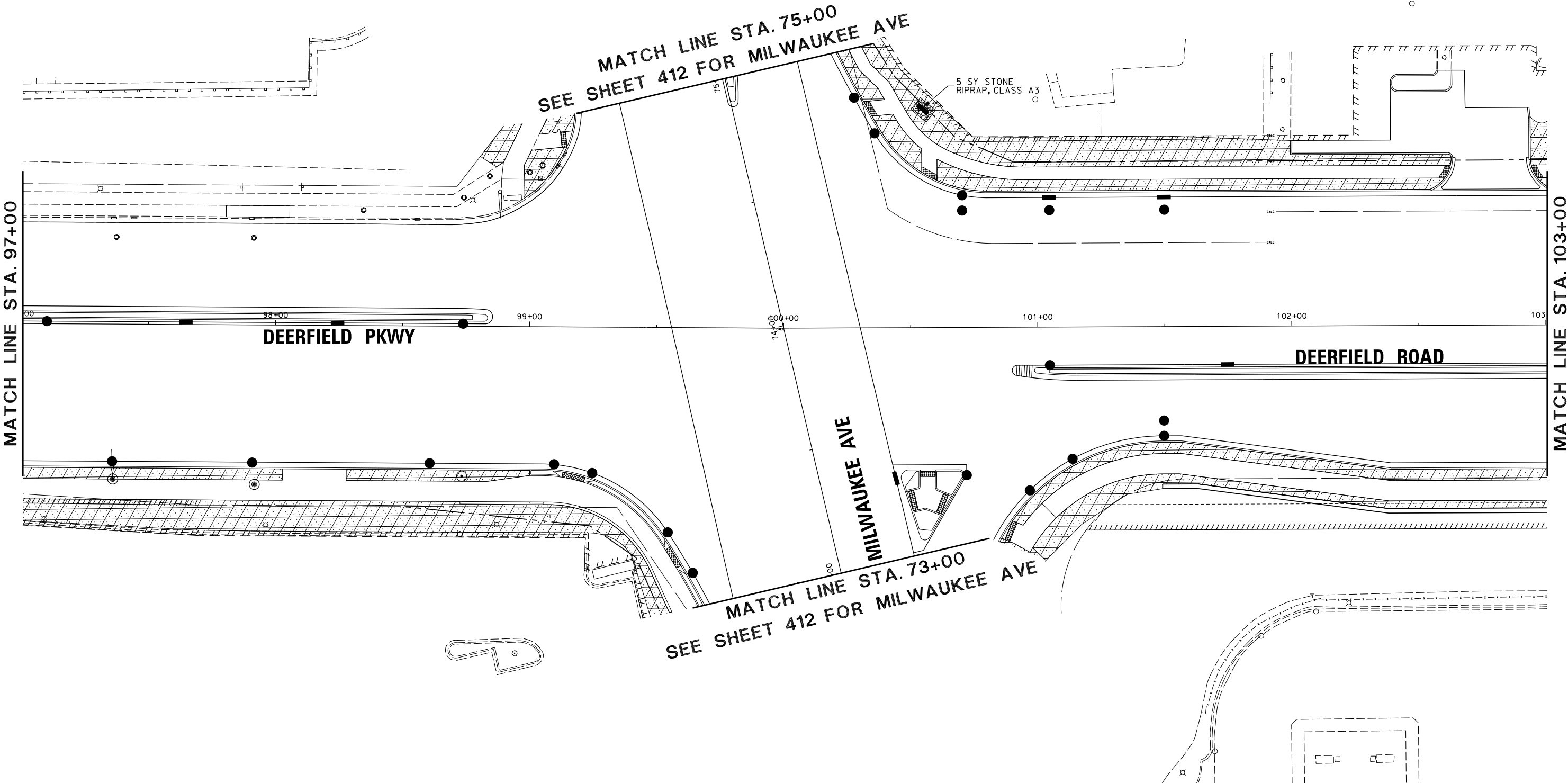
WILDLIFE FRIENDLY EROSION
CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 4B



WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 4B
SEEDING, CLASS 5B



WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 2A



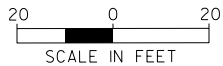
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		DRAWN -	REVISED -
	PLOT SCALE = 20'	CHECKED -	REVISED -
	PLOT DATE = 7/31/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEERFIELD ROAD RECONSTRUCTION
LANDSCAPING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00038-07-WR	LAKE	1090	401
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				



SEE FEDERAL LIFE BASIN LANDSCAPING PLAN FOR DETAILS

MATCH LINE STA. 103+00

MATCH LINE STA. 109+00

DEERFIELD ROAD

ACCESS ROAD

MATCH LINE (SEE RIGHT)

MATCH LINE (SEE LEFT)

LANDSCAPING PLAN LEGEND



WILDLIFE FRIENDLY EROSION
CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 4B



WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 4B
SEEDING, CLASS 5B



WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 2A

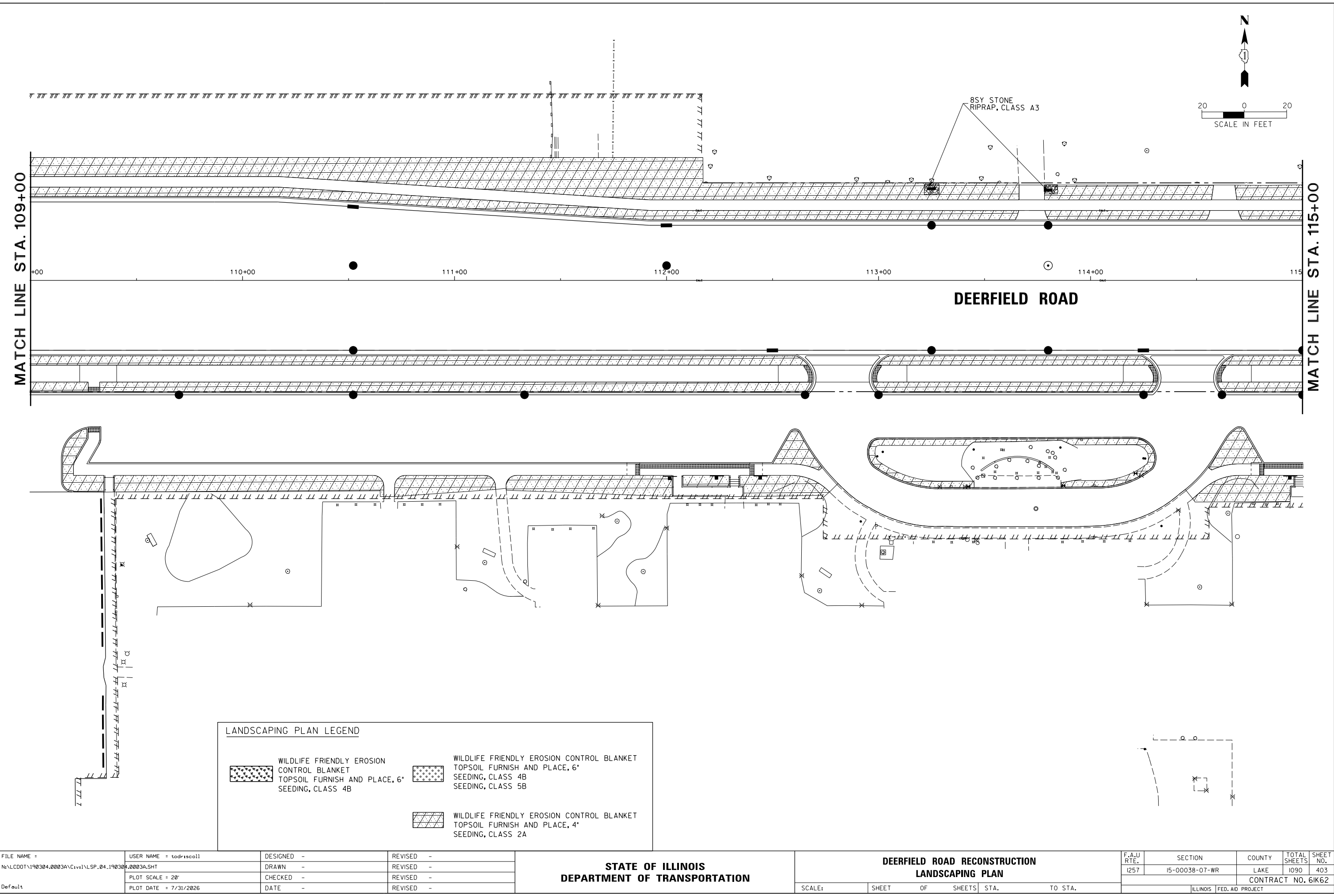
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	PLOT DATE = 7/31/2026	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEERFIELD ROAD RECONSTRUCTION
LANDSCAPING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00038-07-WR	LAKE	1090	402
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				



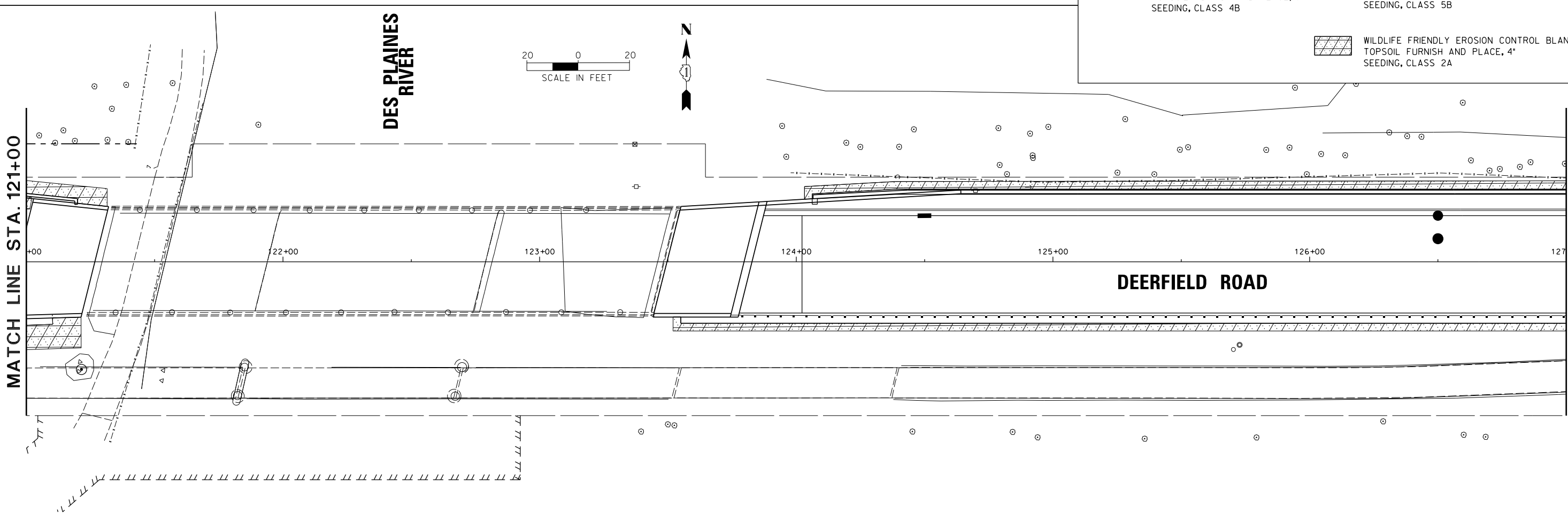
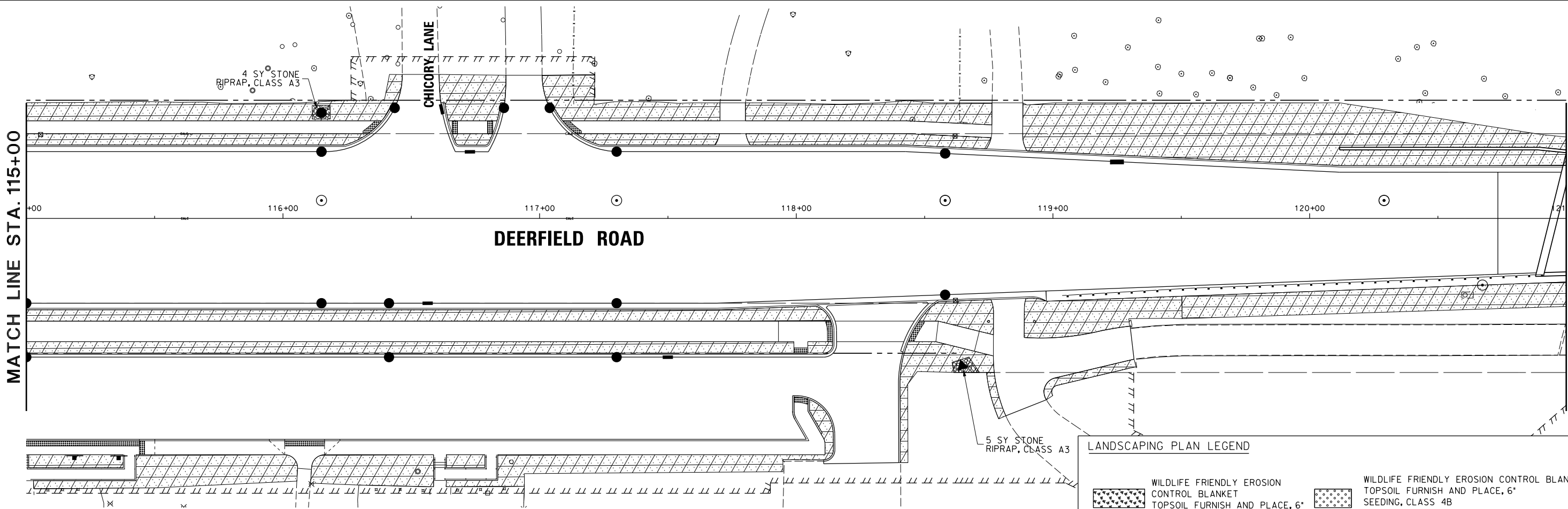
LANDSCAPING PLAN LEGEND

WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 4B

WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 5B

WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 2A

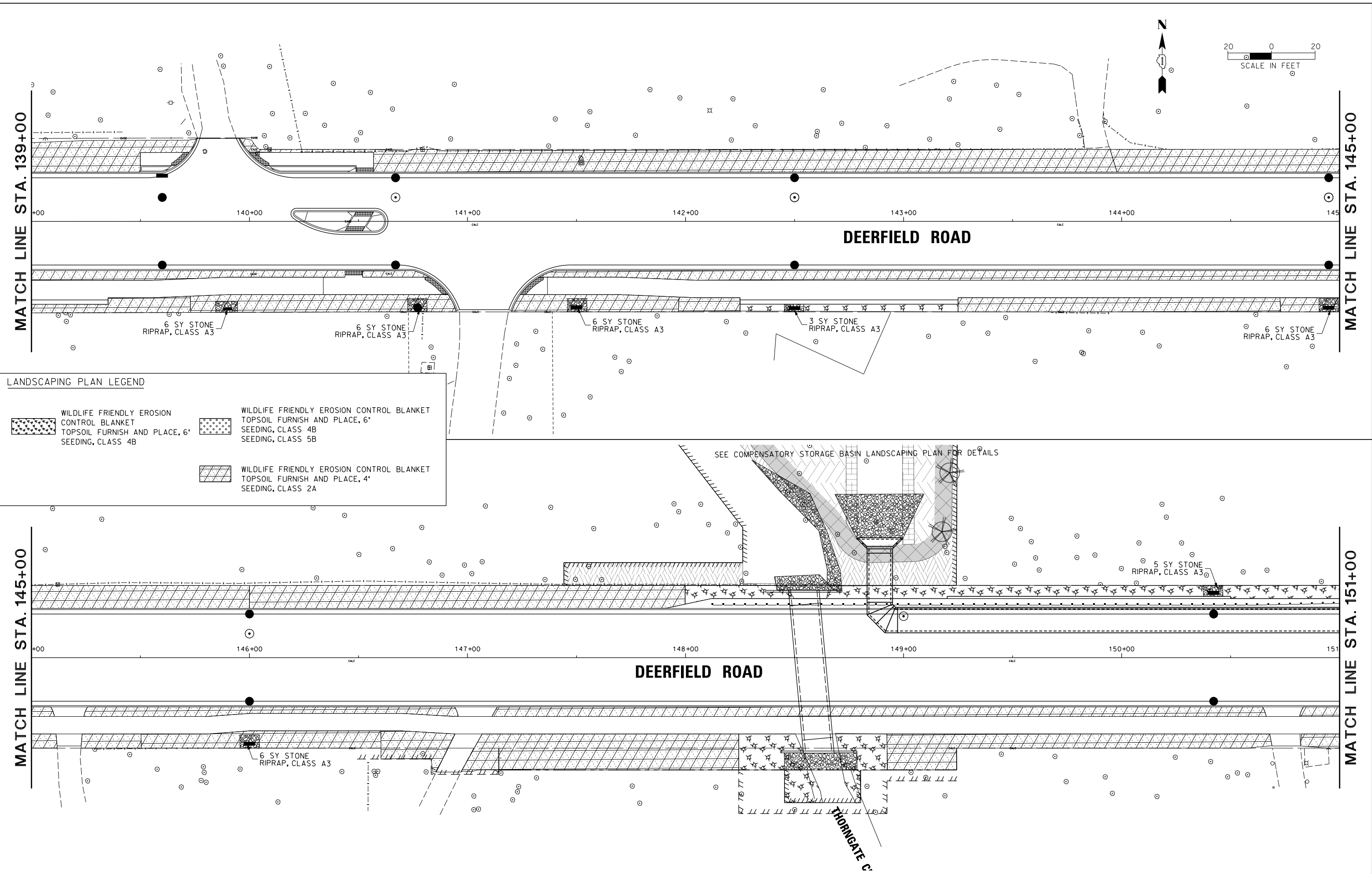
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		DRAWN -	REVISED -						I257	I5-00038-07-WR	LAKE	1090	403
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	PLOT DATE = 7/31/2026	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			



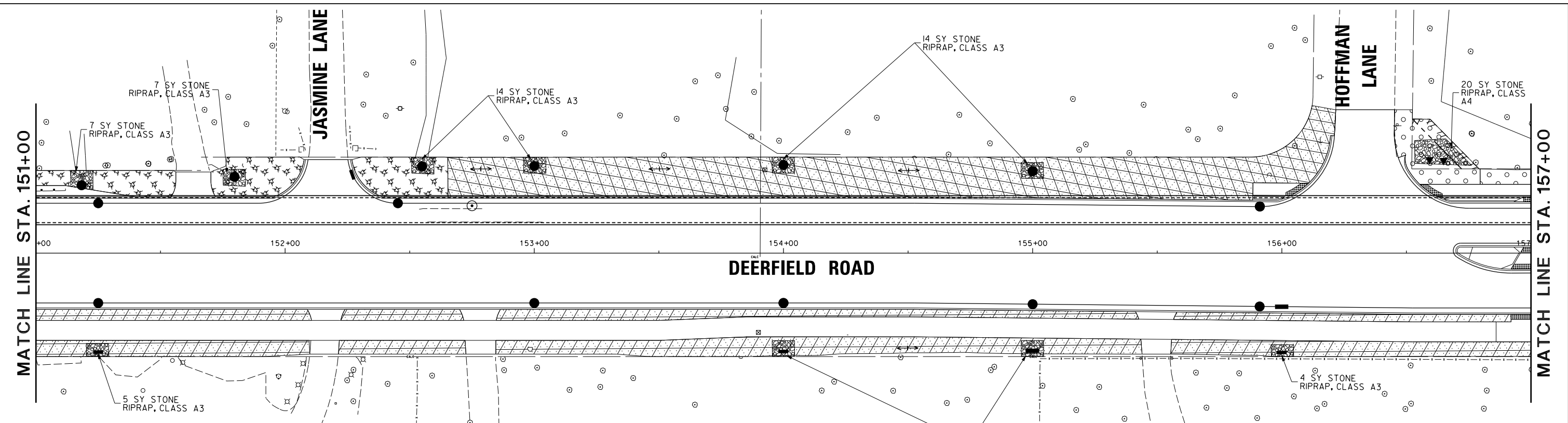
LANDSCAPING PLAN LEGEND

	WILDLIFE FRIENDLY EROSION CONTROL BLANKET TOPSOIL FURNISH AND PLACE, 6\"/>		WILDLIFE FRIENDLY EROSION CONTROL BLANKET TOPSOIL FURNISH AND PLACE, 6\"/>
	SEEDING, CLASS 4B		SEEDING, CLASS 5B
	WILDLIFE FRIENDLY EROSION CONTROL BLANKET TOPSOIL FURNISH AND PLACE, 4\"/>		SEEDING, CLASS 2A

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		DRAWN -	REVISED -						1257	15-00038-07-WR	LAKE	1090	404
		CHECKED -	REVISED -						CONTRACT NO. 6IK62				
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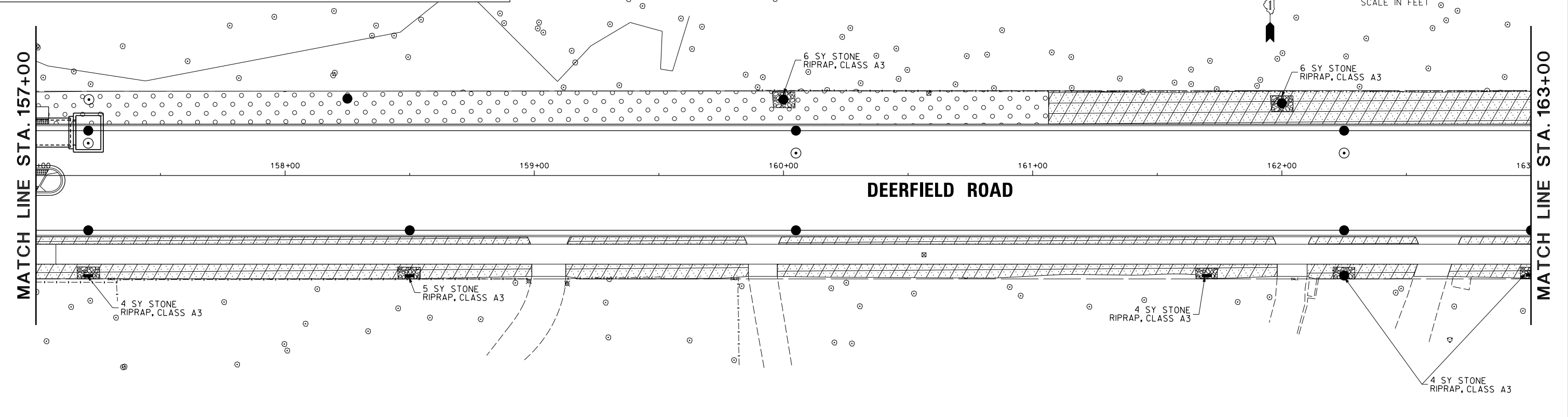


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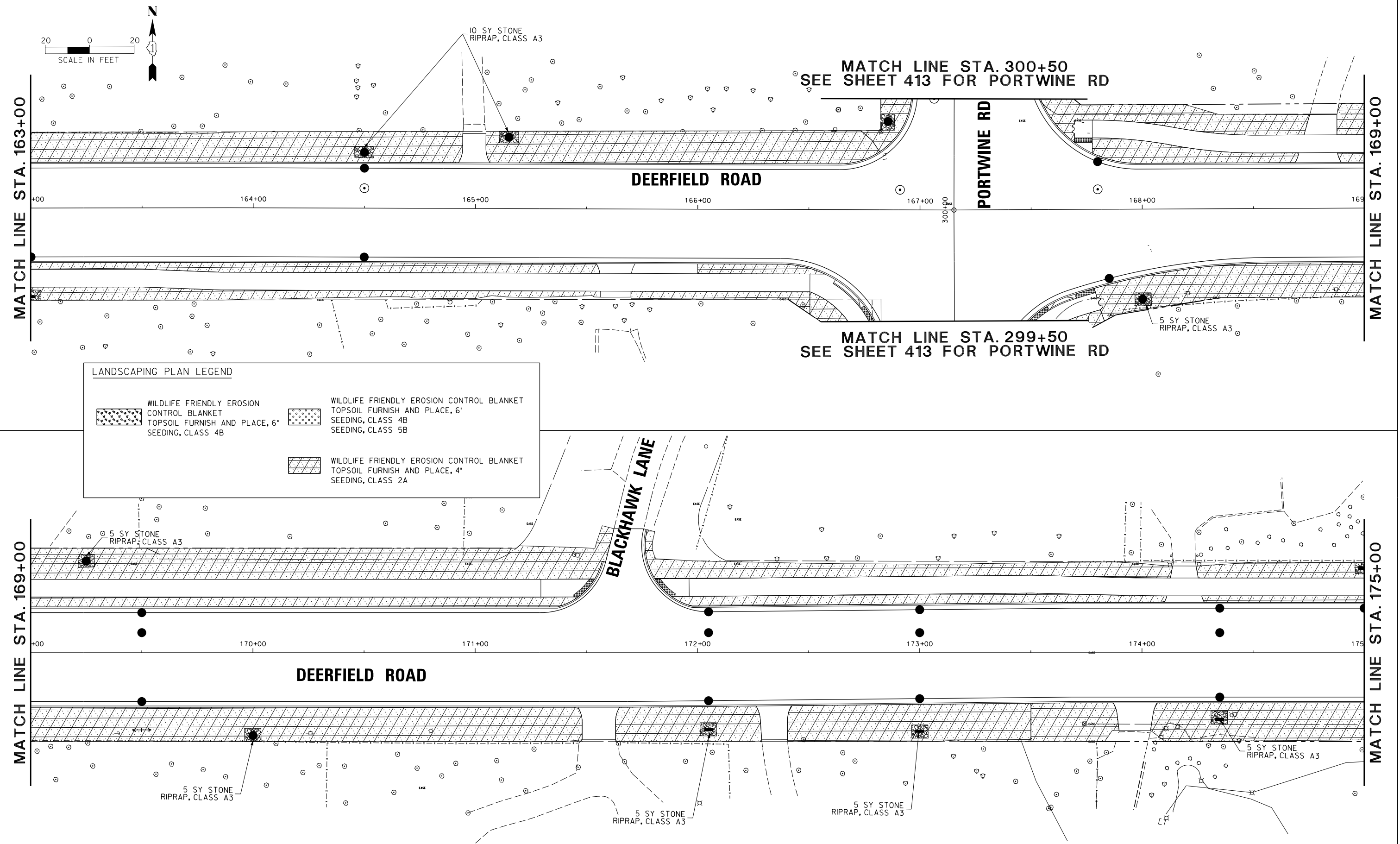


LANDSCAPING PLAN LEGEND

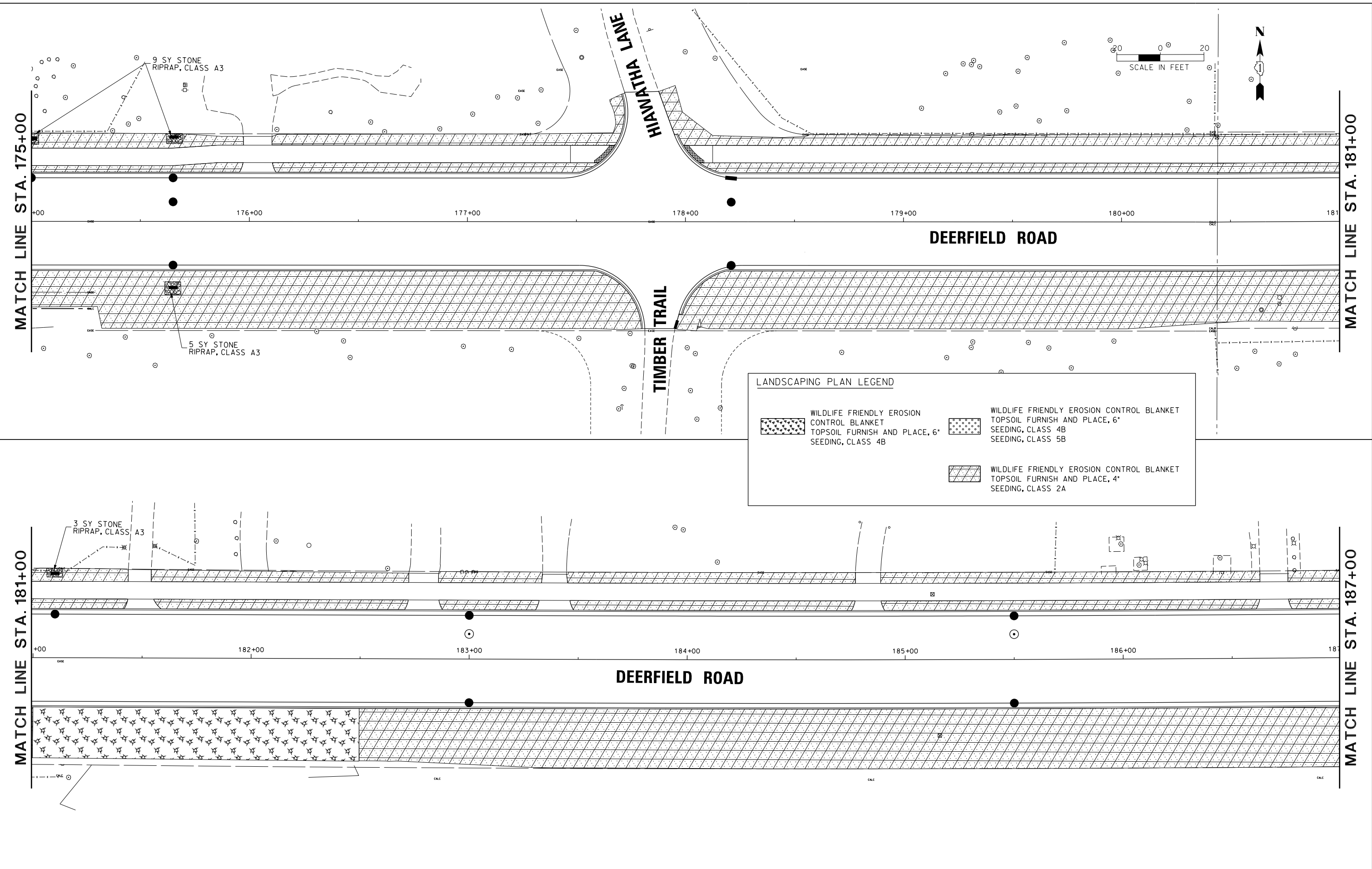
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	WILDLIFE FRIENDLY EROSION CONTROL BLANKET TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A		

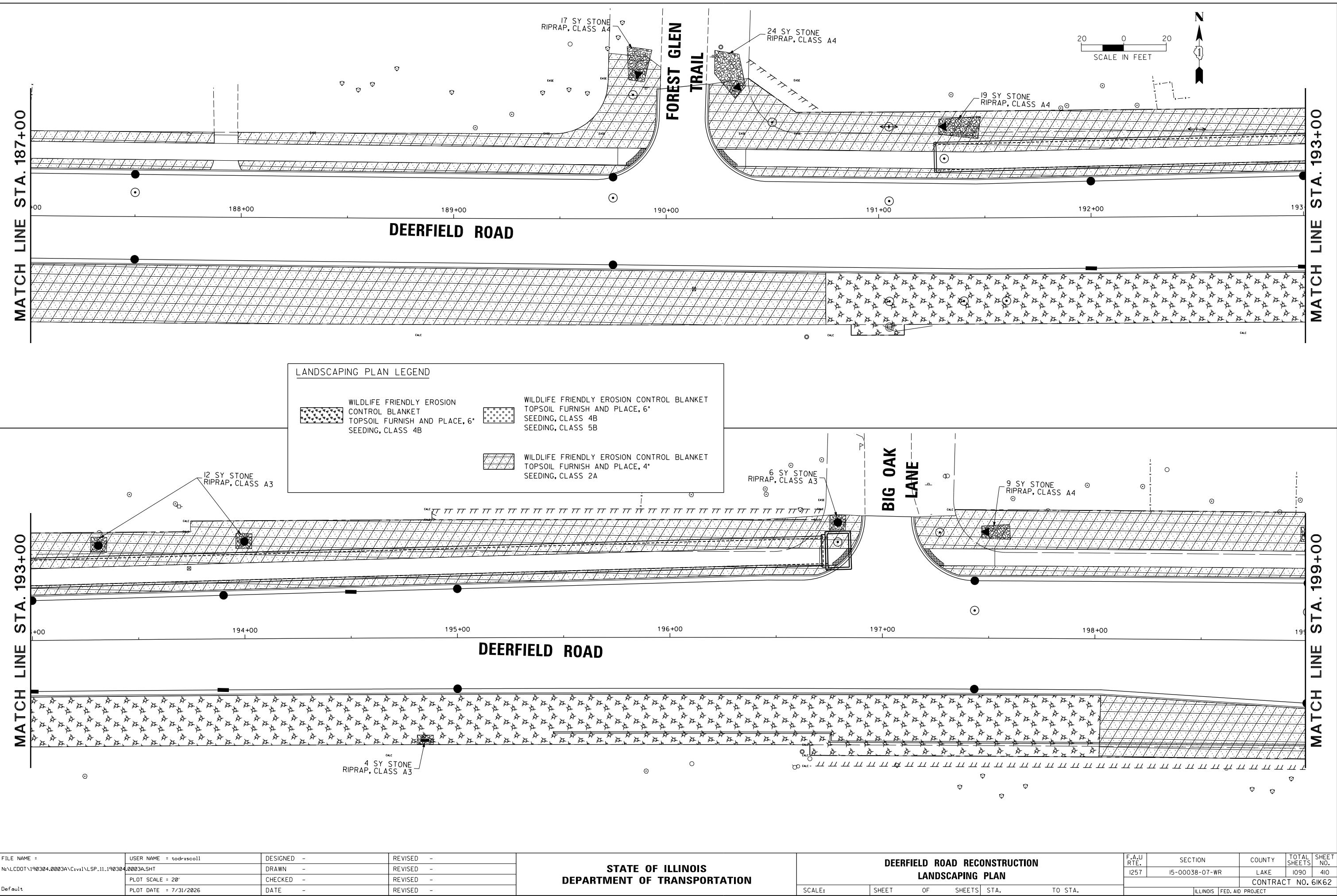


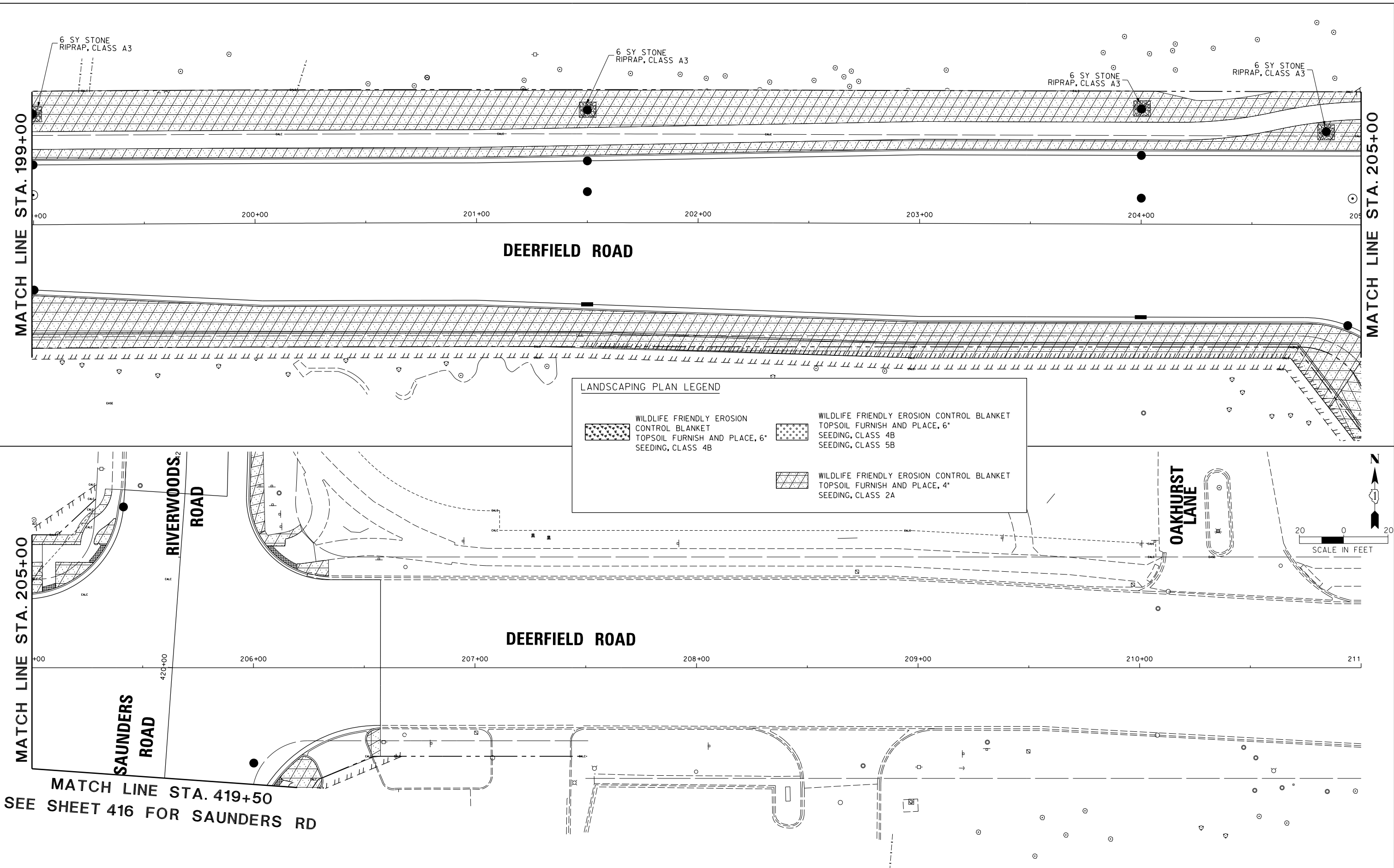
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	PLOT DATE = 7/31/2026	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.											
														ILLINOIS				FED. AID PROJECT			



FILE NAME =	USER NAME = todrriscoll	SIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEERFIELD ROAD RECONSTRUCTION LANDSCAPING PLAN			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 7/31/2026	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				







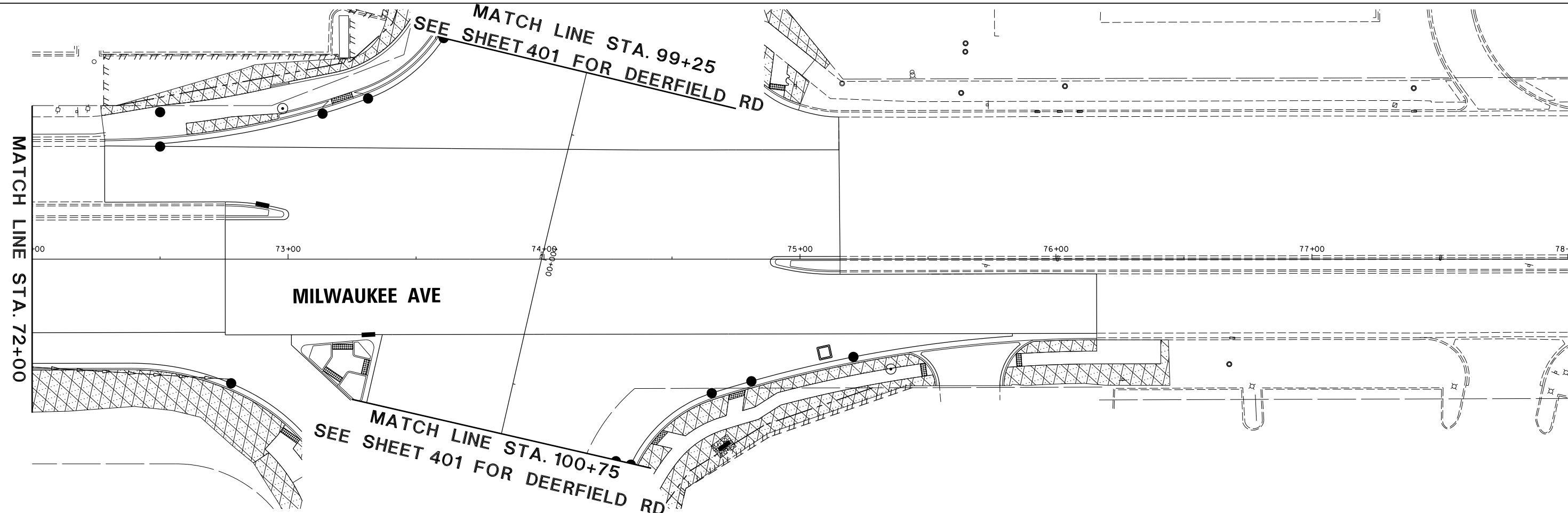
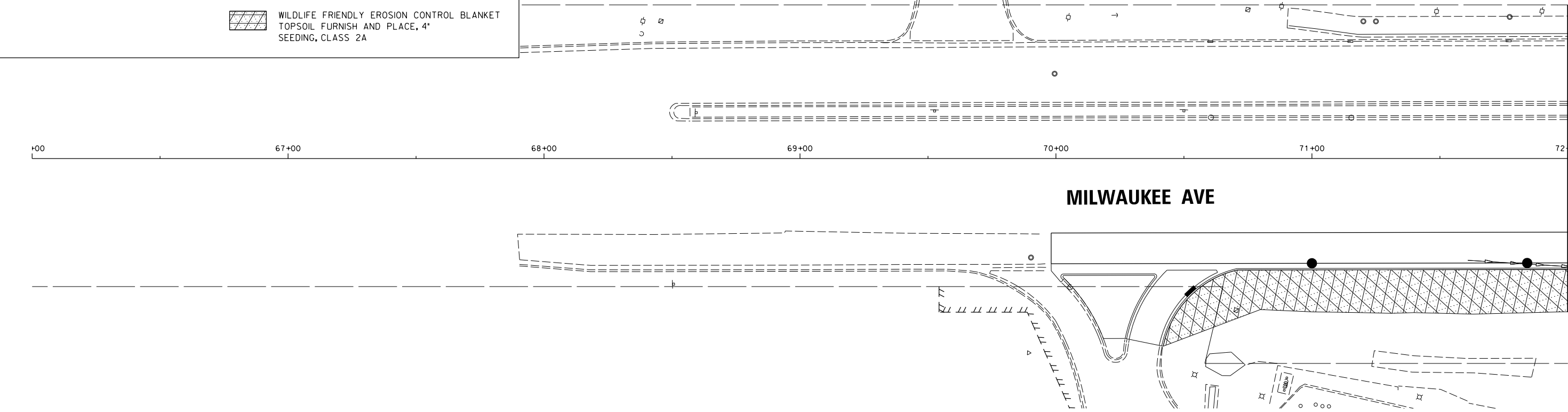
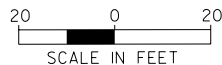
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		DRAWN -	REVISED -							I257	I5-00038-07-WR	LAKE	1090
	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 6IK62								
	PLOT DATE = 7/31/2026	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

LANDSCAPING PLAN LEGEND

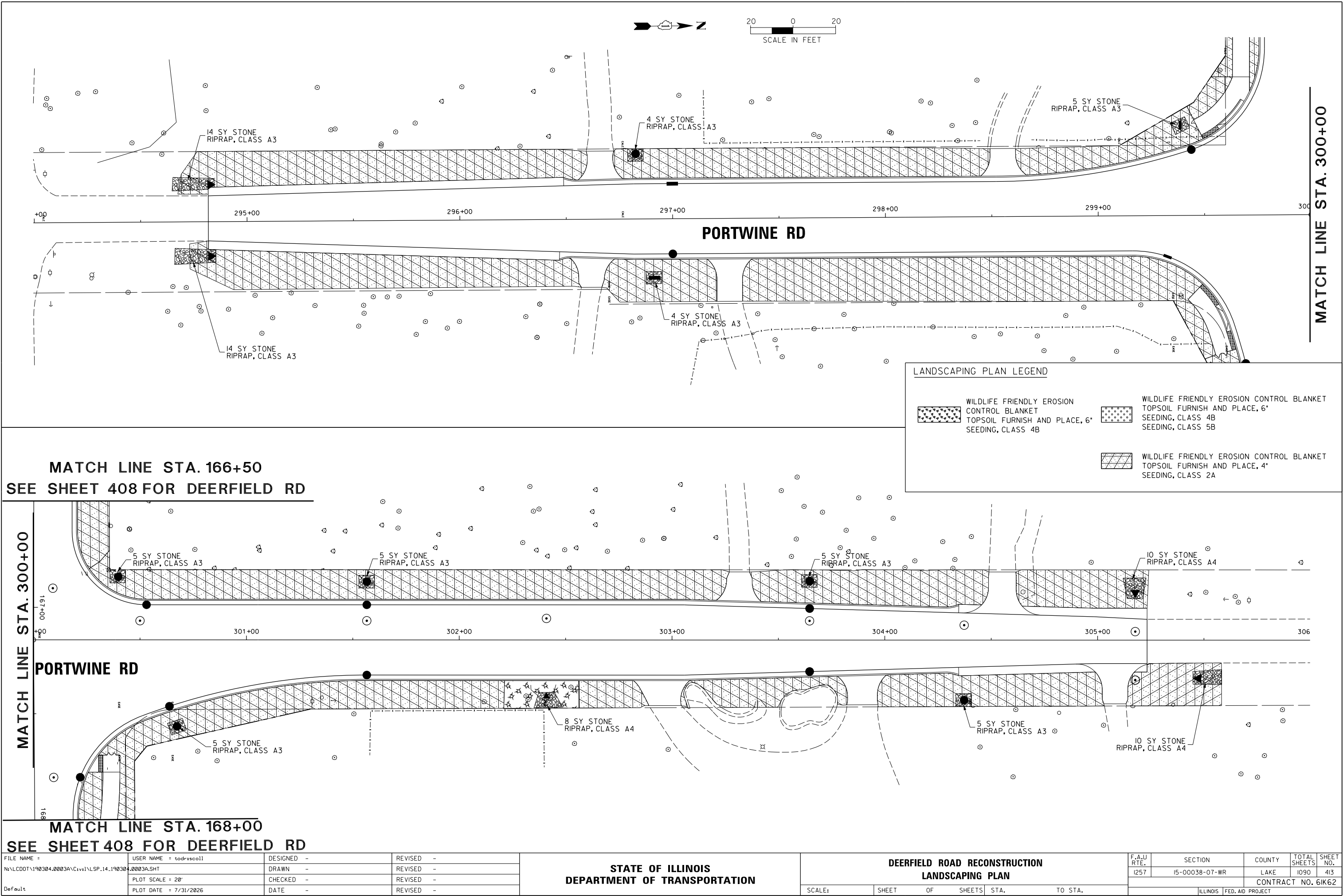
WILDLIFE FRIENDLY EROSION
CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 4B

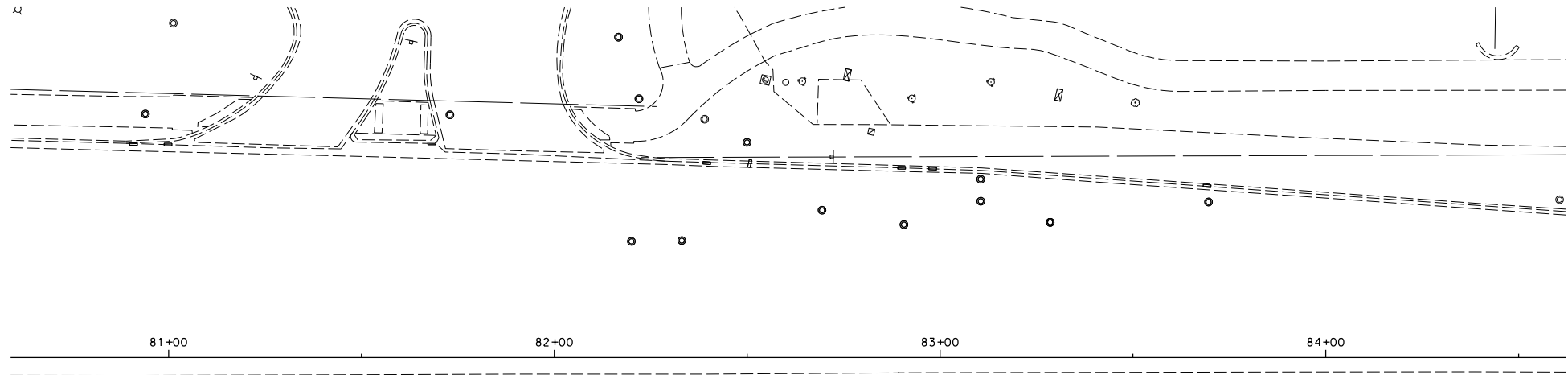
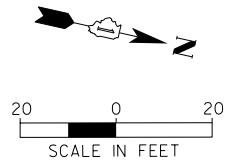
WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 5B

WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 2A

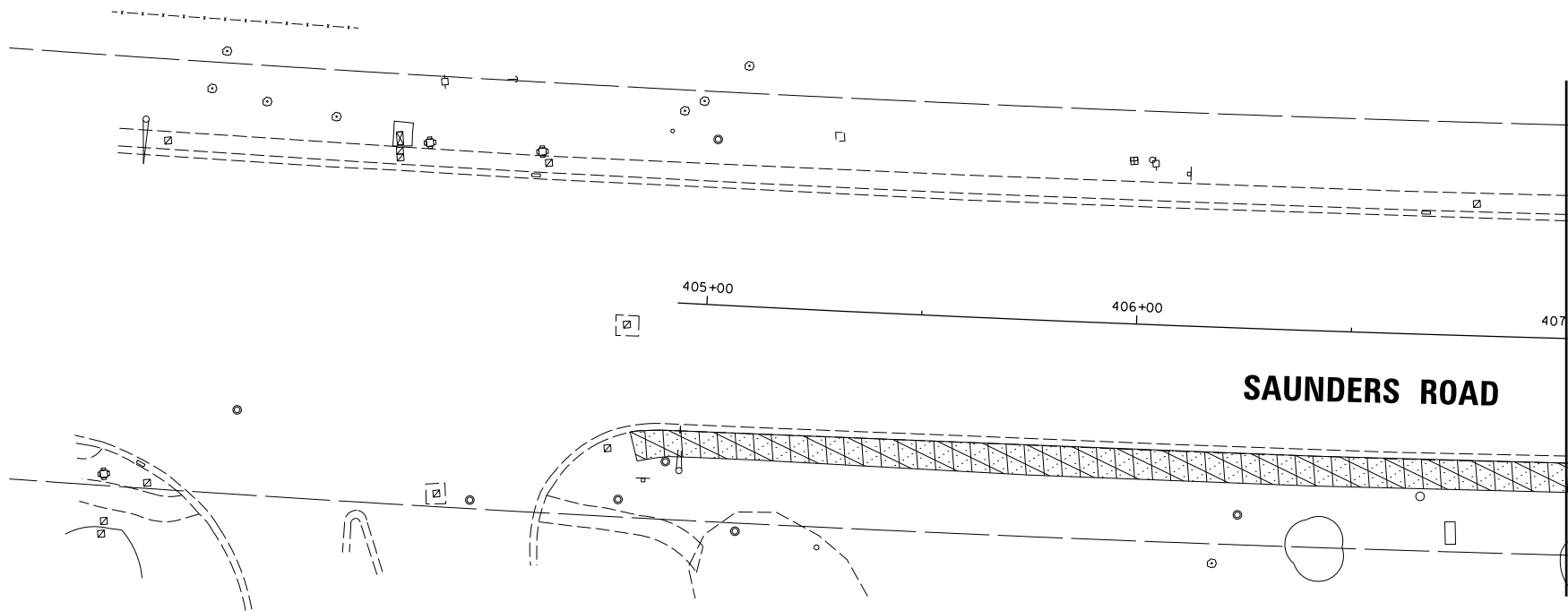
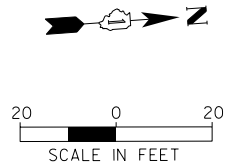
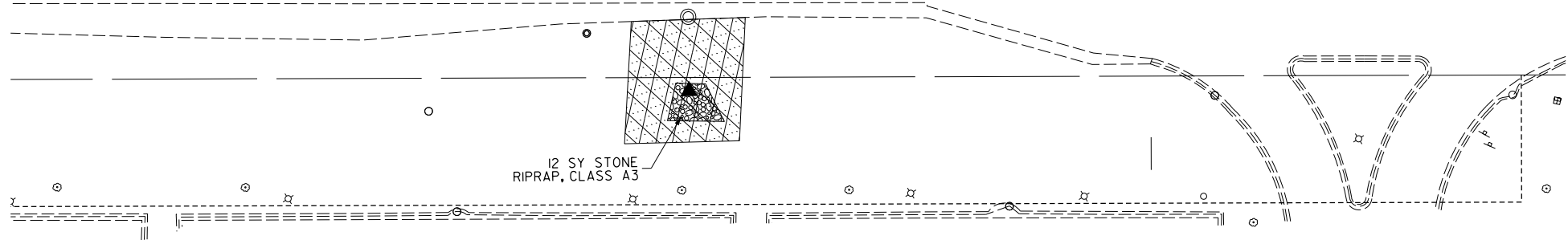


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		DRAWN -	REVISED -						1257	15-00038-07-WR	LAKE	1090	412
		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61K62				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				





MILWAUKEE AVE



SAUNDERS ROAD

LANDSCAPING PLAN LEGEND

- | | | | |
|---|---|---|---|
|  | WILDLIFE FRIENDLY EROSION CONTROL BLANKET TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 4B |  | WILDLIFE FRIENDLY EROSION CONTROL BLANKET TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 4B |
|  | WILDLIFE FRIENDLY EROSION CONTROL BLANKET TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A | | |

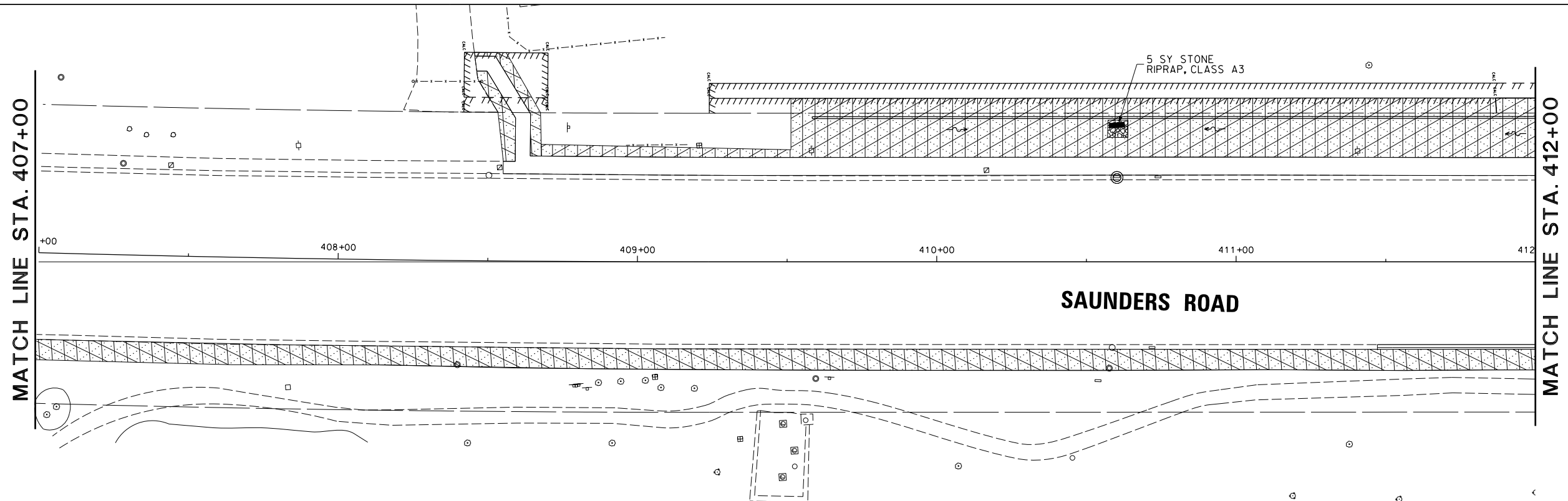
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	PLOT DATE = 7/31/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEERFIELD ROAD RECONSTRUCTION
LANDSCAPING PLAN

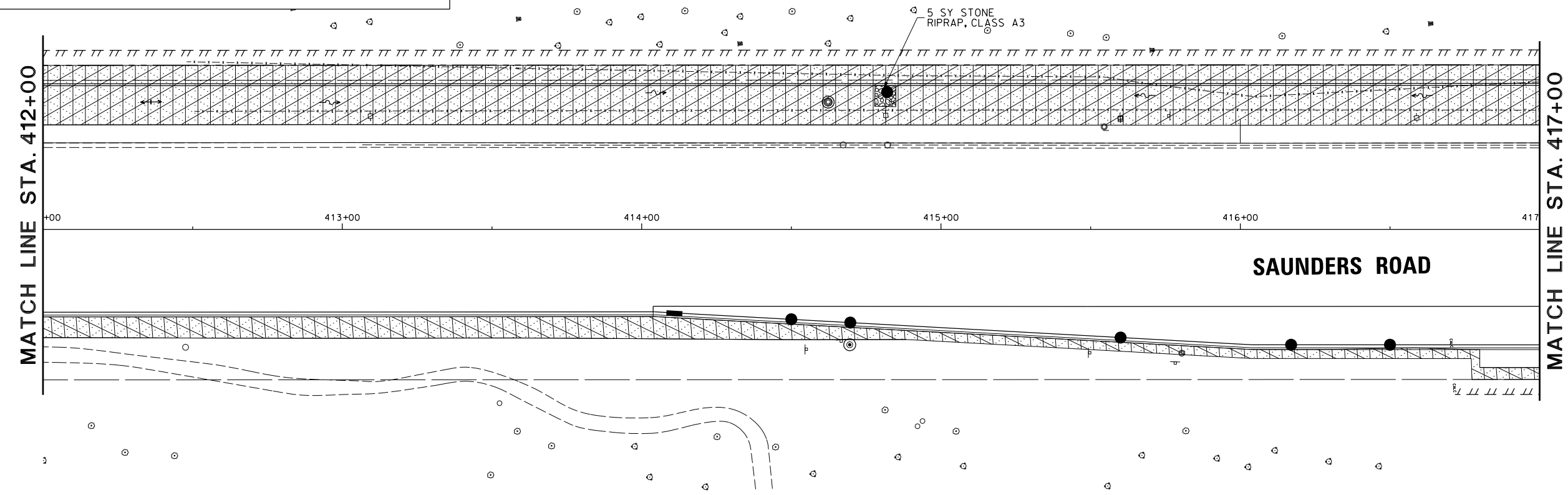
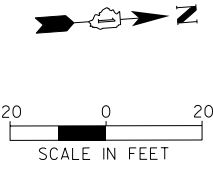
SCALE: SHEET OF SHEETS STA. TO STA.

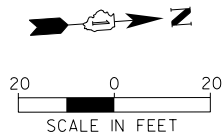
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00038-07-WR	LAKE	1090	414
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				



LANDSCAPING PLAN LEGEND

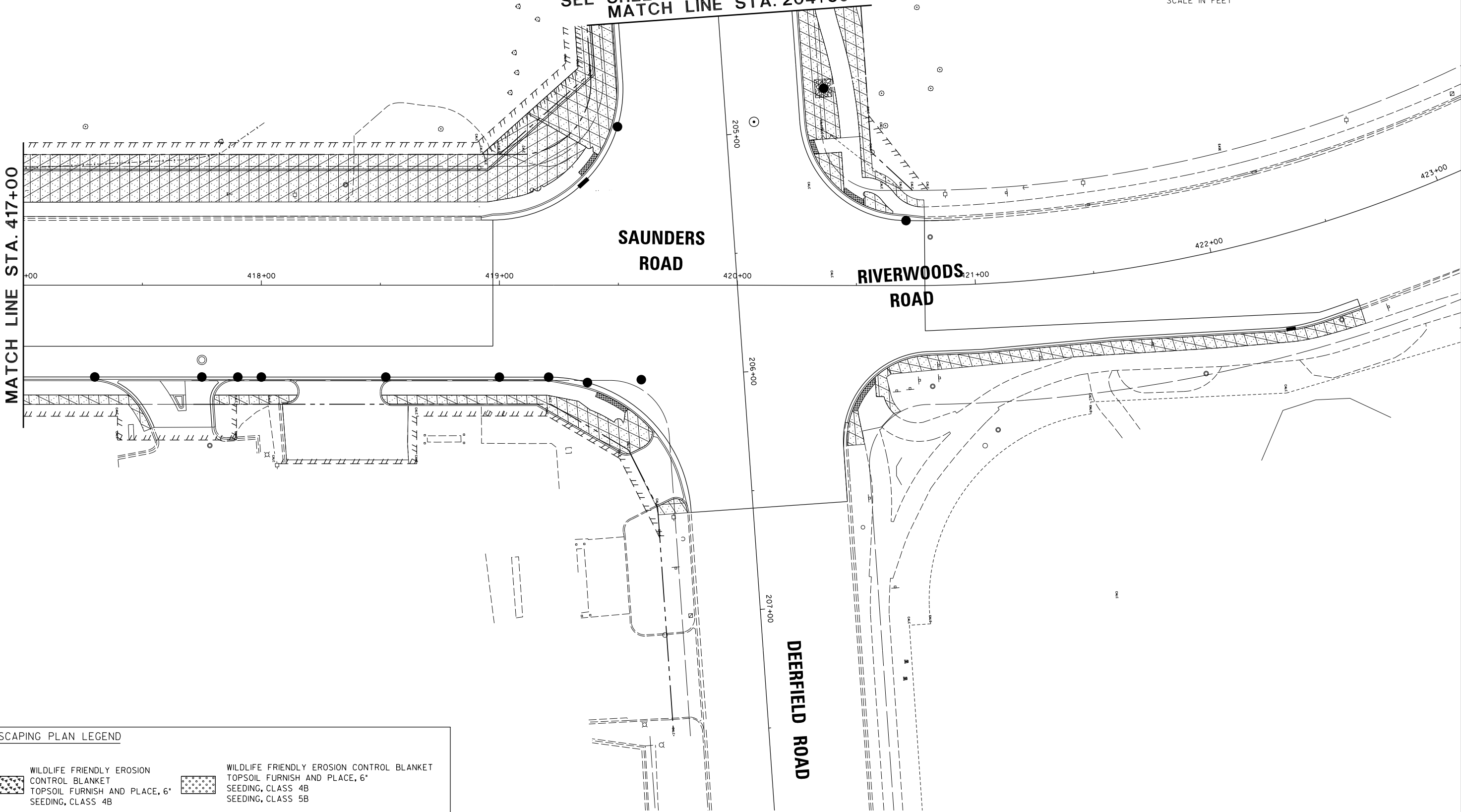
	WILDLIFE FRIENDLY EROSION CONTROL BLANKET		WILDLIFE FRIENDLY EROSION CONTROL BLANKET
	TOPSOIL FURNISH AND PLACE, 6\"/>		TOPSOIL FURNISH AND PLACE, 6\"/>
	SEEDING, CLASS 4B		SEEDING, CLASS 5B
	TOPSOIL FURNISH AND PLACE, 4\"/>		SEEDING, CLASS 2A





SEE SHEET 411 FOR DEERFIELD RD
MATCH LINE STA. 204+50

MATCH LINE STA. 417+00



LANDSCAPING PLAN LEGEND

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WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 4B
- 

WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 4B
SEEDING, CLASS 5B
- 

WILDLIFE FRIENDLY EROSION CONTROL BLANKET
TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 2A

FILE NAME =	USER NAME = tod-riscoll	DESIGNED -	REVISED -
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Default	PLOT DATE = 7/31/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

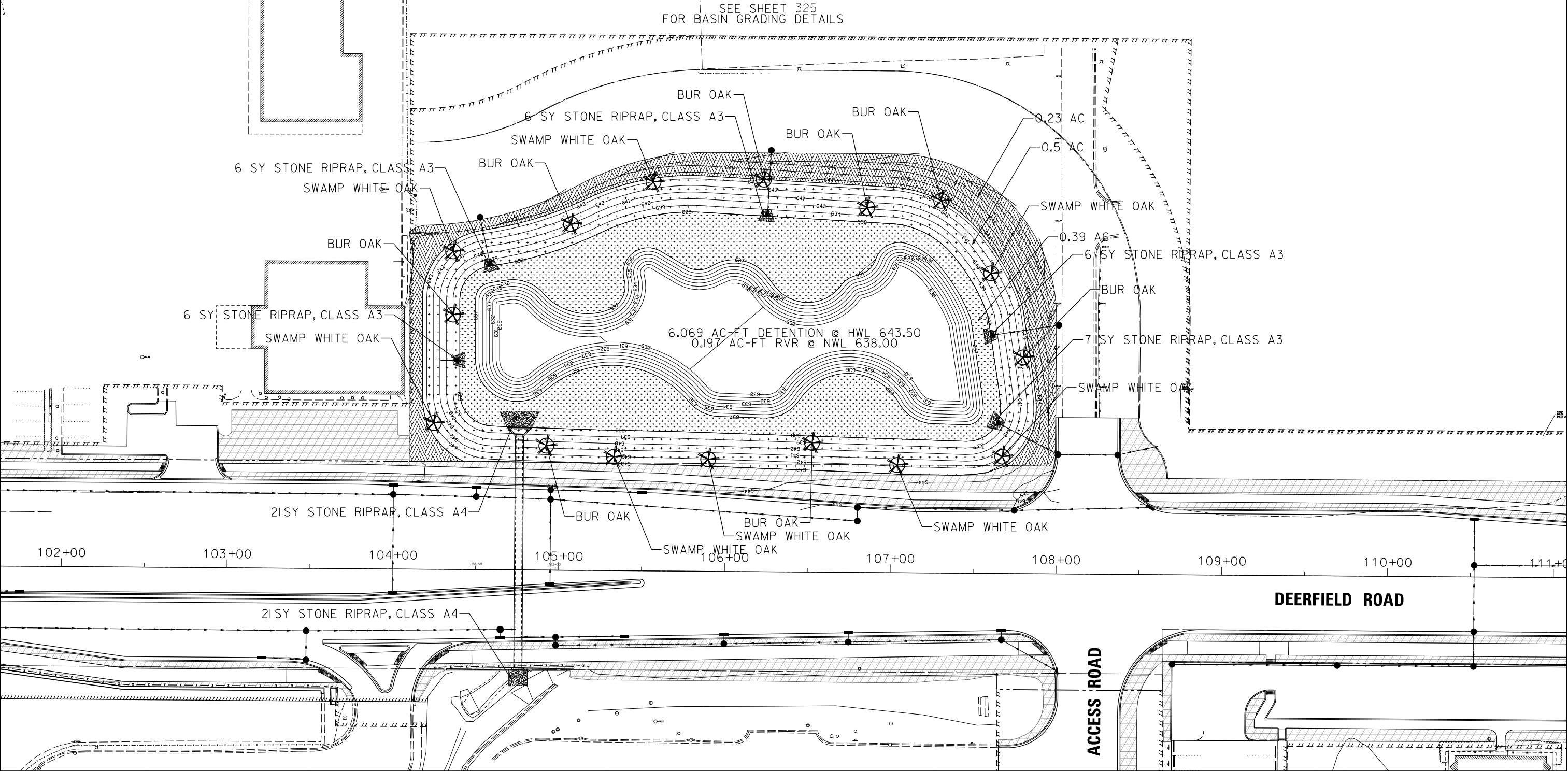
DEERFIELD ROAD RECONSTRUCTION
LANDSCAPING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00038-07-WR	LAKE	1090	416
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

EMERGENT PLANT PLUGS

Scientific Name	Common Name	# of Plugs	Spacing	Notes
Pontedria cordata	Pickerel Weed	405	Alt 4.0' O.C.	12" below NWL to 8" below NWL
Sagittaria latifolia	Arrowhead	307	Alt 3.0' O.C.	8" below NWL to 4" below NWL
Sparganium eurycarpum	Burreed	307	Alt 3.0' O.C.	8" below NWL to 4" below NWL
Iris virginica	Blueflagiris	381	Alt 3.0' O.C.	4" below NWL to 6" above NWL
Juncus effusus	Common Rush	381	Alt 3.0' O.C.	4" below NWL to 6" above NWL



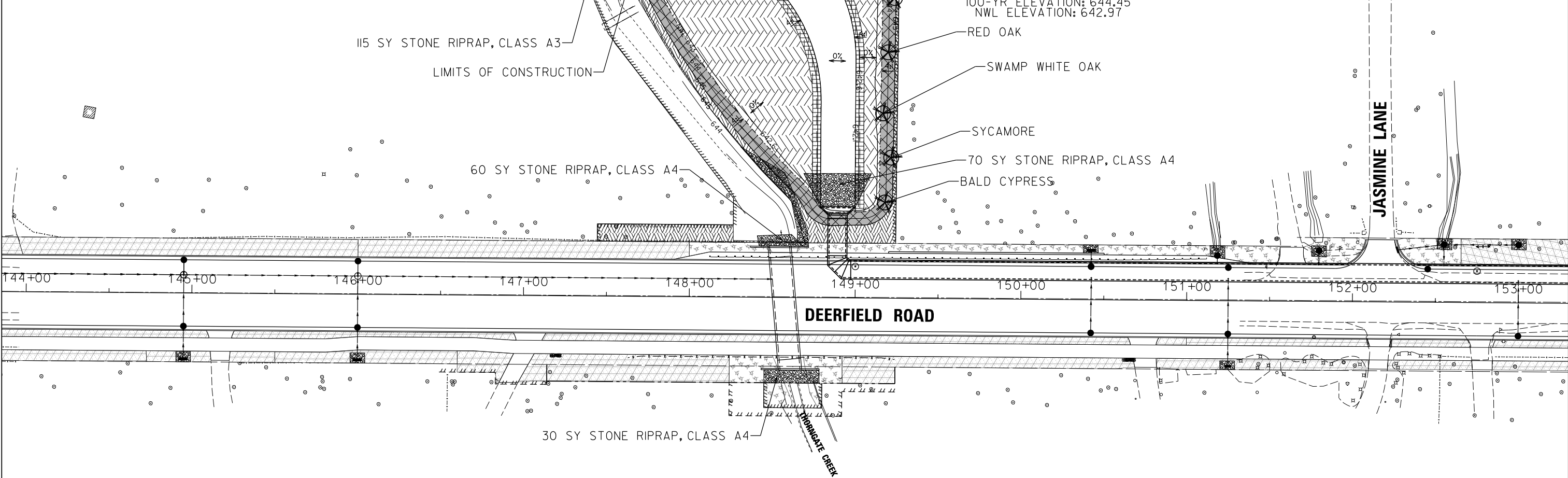
PERENNIAL PLANTS, WETLAND TYPE,
2" DIAMETER BY 4" DEEP PLUG

Scientific Name	Common Name
Acorus calamus	Sweet flag
Carex Lacustris	Lake Sedge
Iris virginica	Iris
Justicia americana	Water willow
Sagittaria latifolia	Arrowhead
Scirpus acutus	Hard stemmed bulrush
Scirpus atrovirens	Dark green bulrush
Scirpus fluviatilis	River bulrush
Sparganium americanum	Bur reed
Zizania aquatica	Wild rice

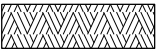
WETLAND PLANT PLUGS SHALL BE PLANTED AT 12" O.C.
CONTRACTOR SHALL LAY OUT EACH BED PER SPECIAL PROVISIONS.

PLANTS SHALL BE INSTALLED IN EQUAL OR NEARLY EQUAL QUANTITIES
IN GROUPS OF 20 OR 25, OR AS SPECIFIED BY THE ENGINEER

INSTALL PLUGS IN HOLES OF SUFFICIENT DEPTH TO ACCOMMODATE
THE ENTIRE ROOT MASS. TOP OF THE PLUG ROOT BALL SHALL BE
FLUSH WITH THE SOIL SURFACE OR NO MORE THAN 1/4"-1/2" BELOW
GRADE



LEGEND



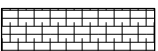
WILDLIFE FRIENDLY EROSION CONTROL BLANKET
SEEDING CLASS 2A
TOPSOIL FURNISH AND PLACE, 6"



WILDLIFE FRIENDLY EROSION CONTROL BLANKET
SEEDING, CLASS 4
SEEDING, CLASS 4B
TOPSOIL FURNISH AND PLACE, 6"



WILDLIFE FRIENDLY EROSION CONTROL BLANKET
SEEDING, CLASS 4B
TOPSOIL FURNISH AND PLACE, 6"



WILDLIFE FRIENDLY EROSION CONTROL BLANKET
PERENNIAL PLANTS, WETLAND TYPE,
2" DIAMETER BY 4" DEEP PLUG
TOPSOIL FURNISH AND PLACE, 6"

FILE NAME =	USER NAME = todrriscoli	DESIGNED -	REVISED -
N:\C00T\190304.0003A\Civil\BASIN.LSP.02.190304.0003A.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 30'	CHECKED -	REVISED -
	PLOT DATE = 7/31/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEERFIELD ROAD RECONSTRUCTION
COMPENSATORY STORAGE BASIN LANDSCAPING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	418
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

EXISTING				PROPOSED			
ITEM				ITEM			
Traffic Signal Cabinet							
Uninterruptable Power Supply							
Communication Cabinet							
Master Controller							
Master Master Controller							
Service Installation -(P) Pole Mounted							
Service Installation -(G) Ground Mounted -(GM) Ground Mounted Metered							
Cellular Modem							
Telephone Connection							
Steel Mast Arm Assembly and Pole							
Aluminum Mast Arm Assembly and Pole							
Steel Combination Mast Arm Assembly and Pole with Luminaire							
Signal Post -(BM) Barrel Mounted - Temporary							
Wood Pole							
Guy Wire							
Signal Head							
Signal Head with Backplate							
Signal Head - Programmable							
Flasher Installation -(FS) Solar Powered							
Pedestrian Signal Head							
Pedestrian Push Button -(APS) Accessible Pedestrian Push Button							
Radar Detection Sensor							
Video Detection Camera							
Radar/Video Detection Zone							
Pan, Tilt, Zoom (PTZ) Camera							
Emergency Vehicle Light Detector							
Confirmation Beacon							
Wireless Interconnect							
Wireless Interconnect Radio Repeater							
Wireless Access Point							
Handhole -Square -Round							
Double Handhole							
Heavy Duty Handhole -Square -Round							
Junction Box							
Railroad Cantilever Mast Arm							
Railroad Flashing Signal							
Railroad Crossing Gate							
Railroad Crossbuck							
Railroad Controller Bungalow							
Underground Conduit (UC), Galvanized Steel							
Temporary Span Wire, Tether Wire, and Cable							
System Item							
Intersection Item							
Removal Item							
Relocate Item							
Abandon Item							
Controller Cabinet and Foundation to be Removed							
Mast Arm Pole and Foundation to be Removed							
Signal Post and Foundation to be Removed							
Detector Loop, Type I							
Preformed Detector Loop							
Wireless Detector Sensor							
Signal Head							
Signal Head with Backplate							
Pedestrian Signal Head with Countdown Timer							
Illuminated LED Sign "NO LEFT TURN"/"NO RIGHT TURN"							
Electric Cable, Signal, No. 14 - 2/C, 3/C, 5/C, 7/C							
Electric Cable, Lead-In, No. 14, 1 Pair							
Service Cable, 2/C - No. 2, No. 4, No. 6							
Ground Cable No. 6 Solid Copper (Green), 1/C							
Electric Cable, Tracer, No. 14, 1/C							
Electric Cable, Railroad, No. 14, 3/C							
Electric Cable, Street Name Sign No. 14, 3/C, Type SOOW							
Vendor Cable							
Emergency Vehicle Priority Line Sensor Cable, No. 20, 3/C							
Outdoor Rated Network Cable							
Fiber Optic Cable -12F: 12 Multimode -24F: 12 Multimode / 12 Single Mode -36F: 12 Multimode / 24 Single Mode -24SM: 24 Single Mode -48SM: 48 Single Mode							
Ground Rod -(C) Controller -(M) Mast Arm -(P) Post -(S) Service							

USER NAME = lovan,plascenda	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

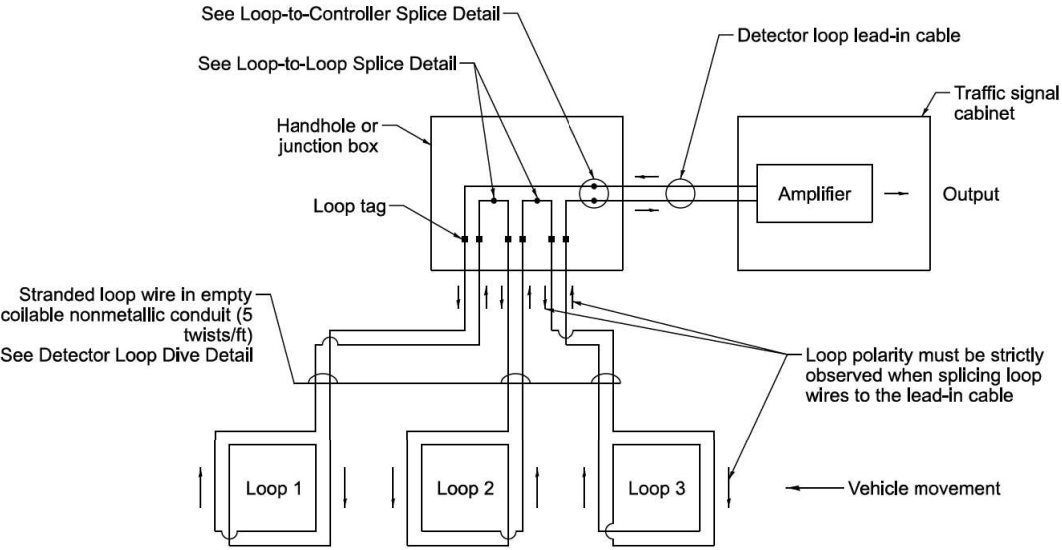
DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS SHEET 1 OF 7 SHEETS STA. TO STA.

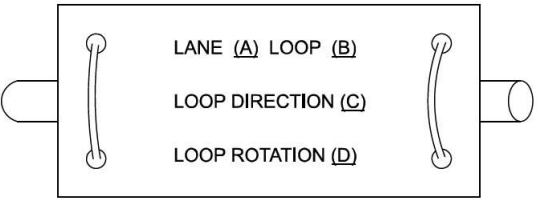
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00038-07-WR	LAKE	1090	419
TS-01		CONTRACT NO. 61K62		
ILLINOIS		FED. AID PROJECT		

DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. 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.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES 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" APART.
9. 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.
10. PREFORMED DETECTOR LOOPS SHALL BE USED 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.

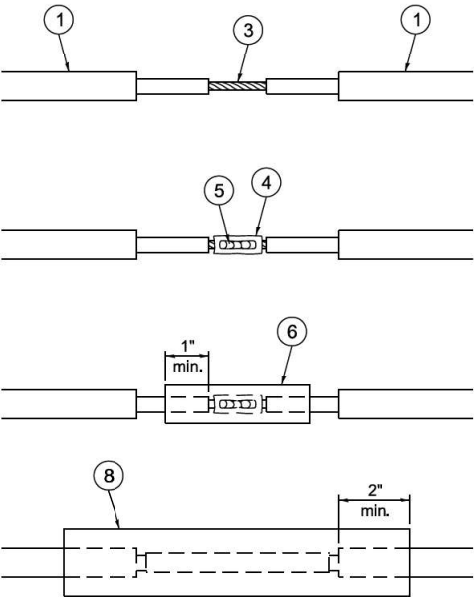


DETECTOR LOOP WIRING SCHEMATIC



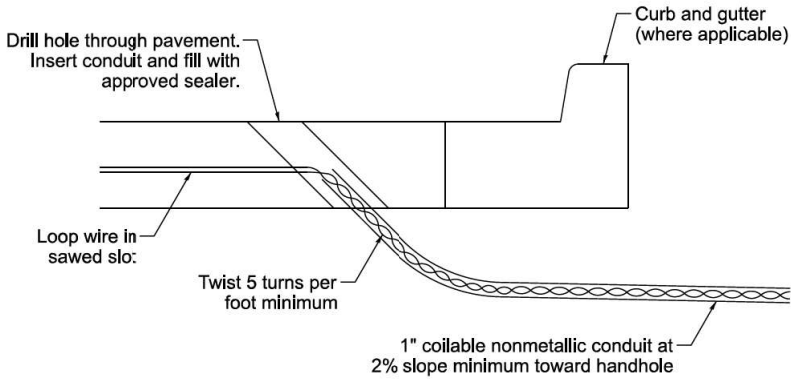
- A. Lane 1 is the lane closest to the centerline of the roadway.
- B. Loop #1 is the loop closest to the intersection.
- C. Label loop cable "in" or loop cable "out".
- D. Label loop cable clockwise or loop cable counterclockwise.

DETECTOR LOOP LEAD-IN CABLE TAG

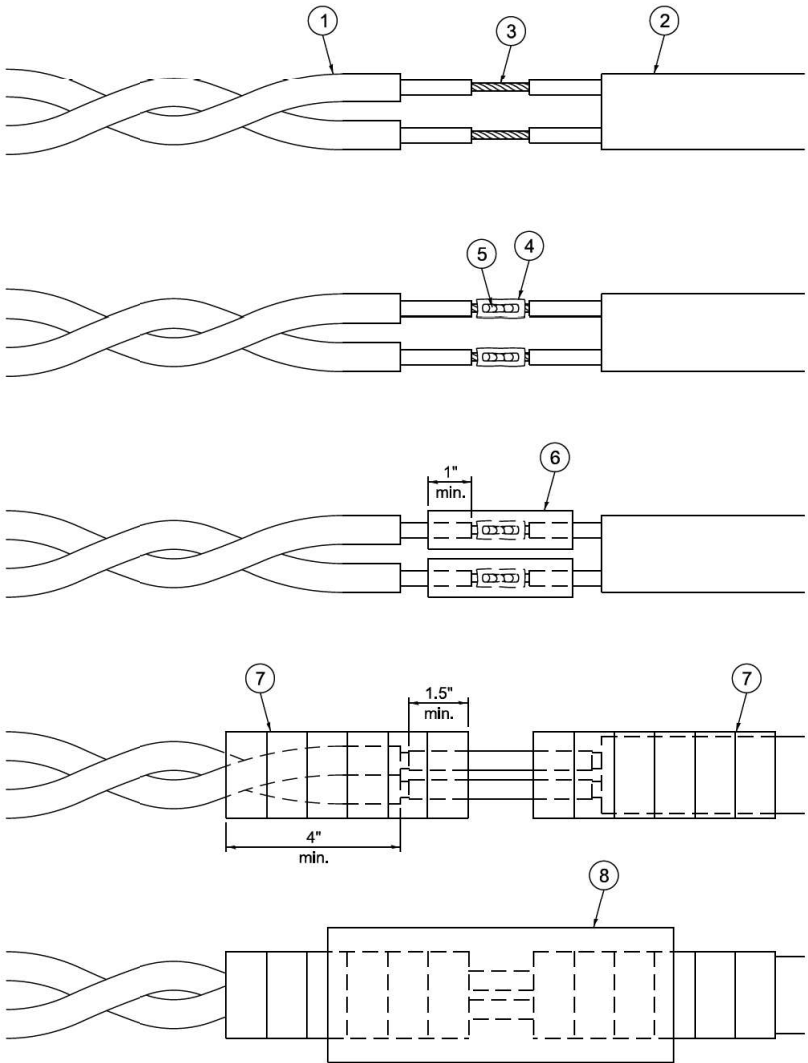


LOOP-TO-LOOP SPLICE DETAIL

- 1 Detector loop cable.
- 2 Detector loop lead-in cable
- 3 Bare conductors twisted together.
- 4 Butt splice crimp connector.
- 5 Splice soldered with rosin core flux. All exposed surfaces of the solder shall be smooth. The splices shall be staggered.
- 6 WCSMW 30/100 heat shrink tube, 3" minimum length, underwater grade.
- 7 Self-infused, silicone electrical tape tightly wrapped around cables.
- 8 WCS 200/750 heat shrink tube, 8" minimum length, underwater grade.



DETECTOR LOOP DIVE DETAIL



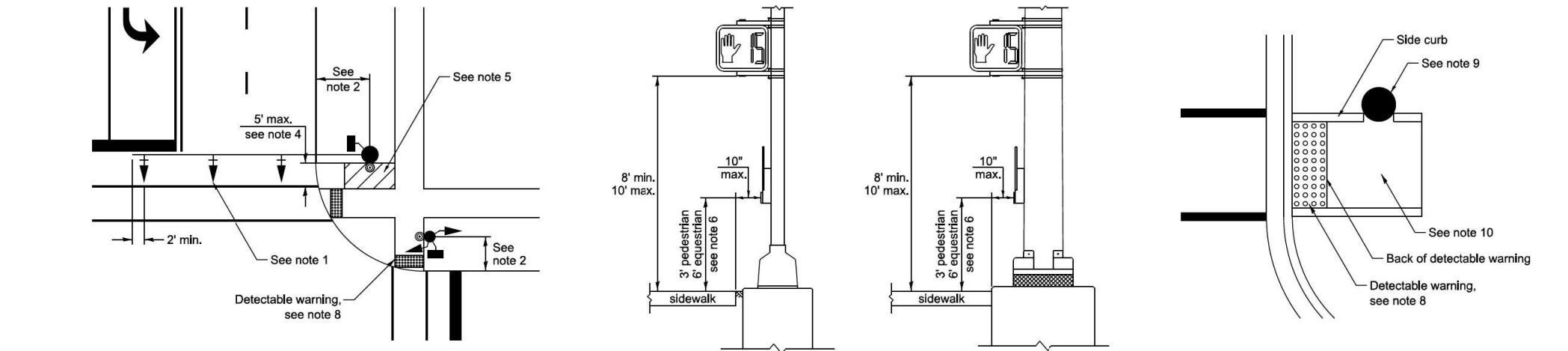
LOOP-TO-CONTROLLER SPLICE DETAIL

	USER NAME = lovan,plascenda	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS	SCALE: NTS	SHEET 2 OF 7 SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - IP	REVISED -						1257	15-00038-07-WR	LAKE	1090	420		
		CHECKED - NB/KK	REVISED -						TS-01					CONTRACT NO. 61K62	
	PLOT DATE =	DATE - 10/15/2025	REVISED -						ILLINOIS FED. AID PROJECT						

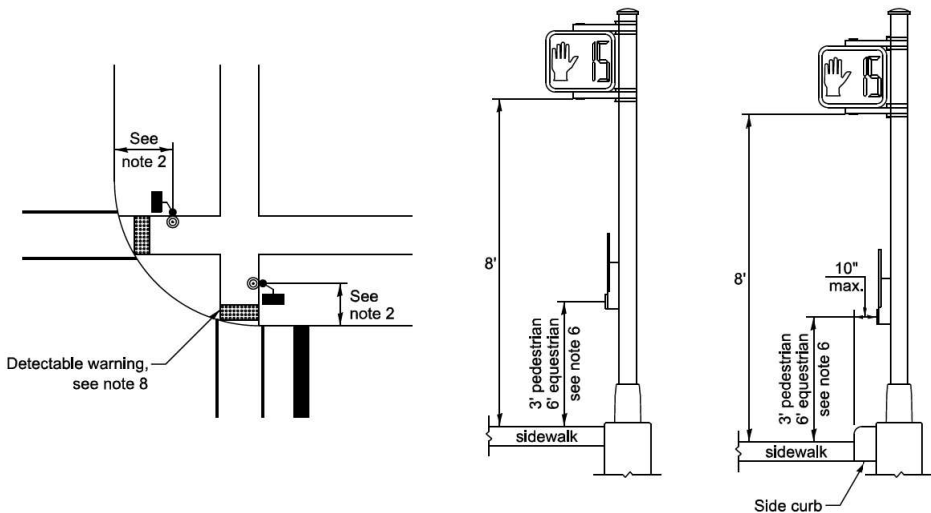
NOTES:

1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHAL BE 72" ORAS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10" REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

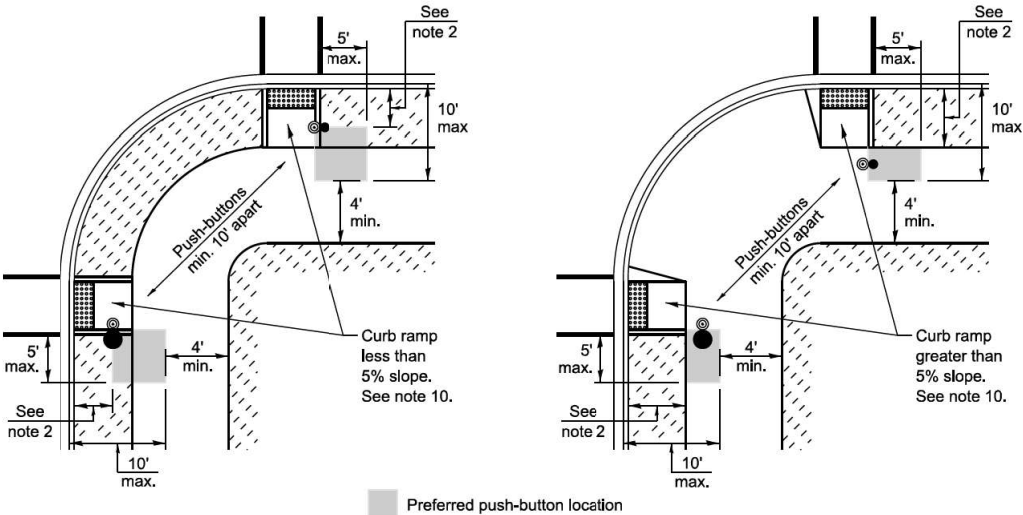
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



PEDESTRIAN SIGNAL POST



PUSH-BUTTON LOCATIONS



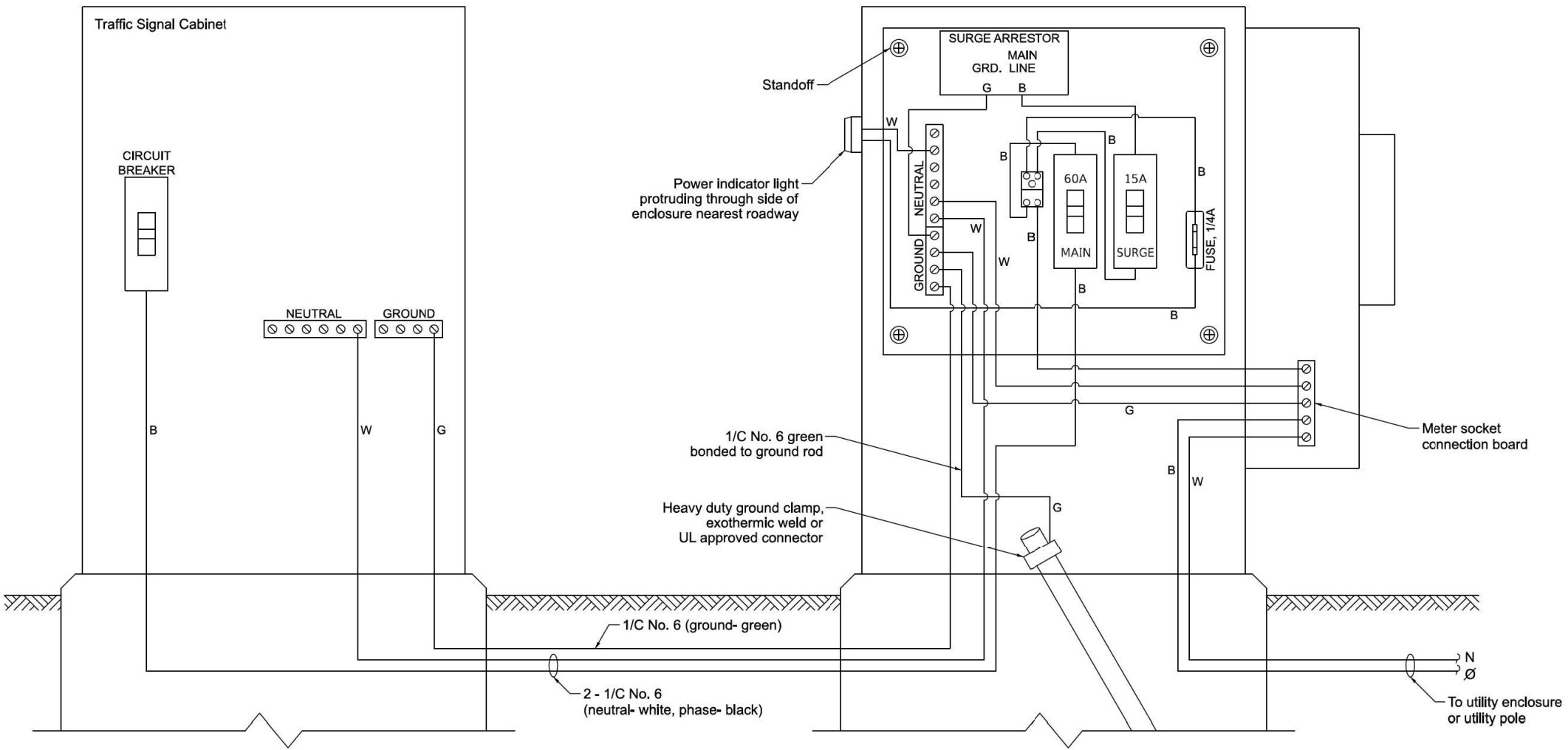
TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
Mast arm assembly and pole	6'	Shoulder width + 2', minimum 10'
Signal post	4'	Shoulder width + 2', minimum 10'
Pedestrian signal post	4'	4' - See note 2
Temporary wood pole	6'	Shoulder width + 2', minimum 10'
Traffic signal cabinet	6' - See Note 3	Shoulder width + 6', minimum 16' - See note 3
Service cabinet	6' - See Note 3	Shoulder width + 6', minimum 16' - See note 3

TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

NOTES:

1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE TO THE 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" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

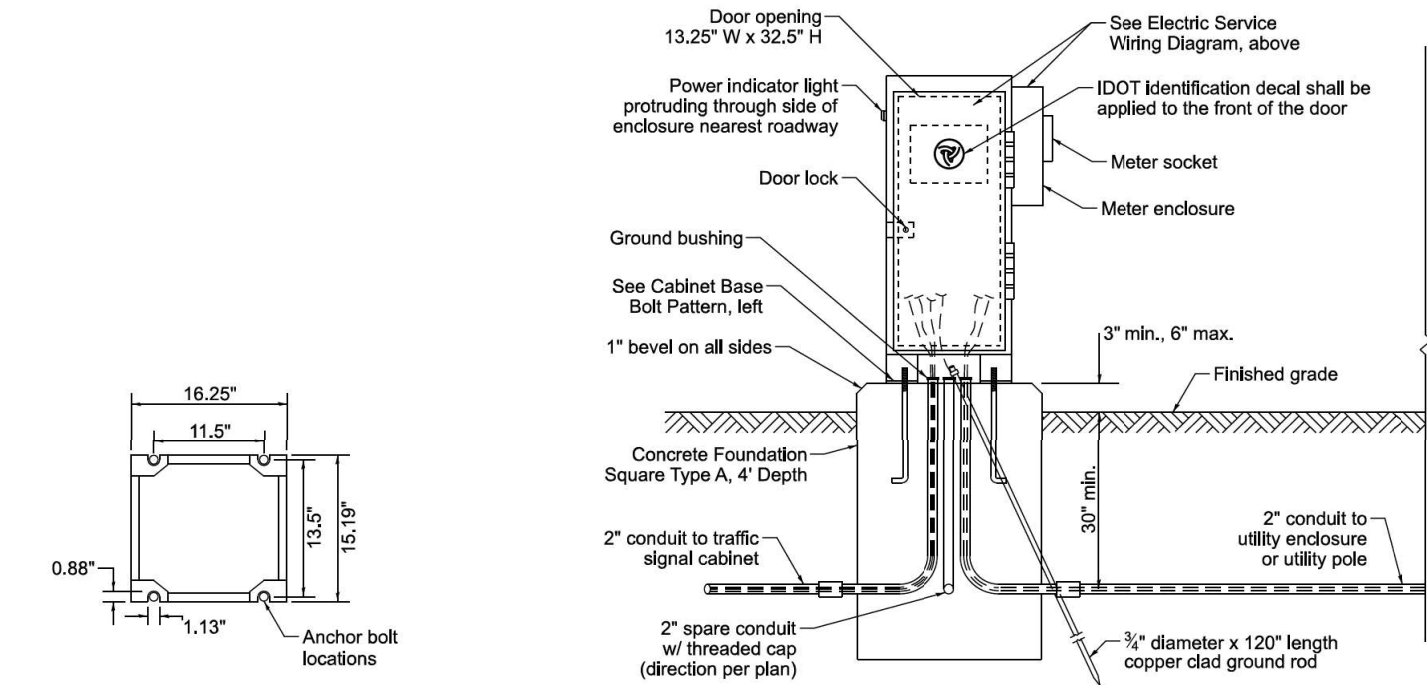
	USER NAME = lovan,plascenda	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS	SCALE: NTS	SHEET 3	OF 7	SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - IP	REVISED -									1257	15-00038-07-WR	LAKE	1090	421		
		CHECKED - NB/KK	REVISED -									TS-01					CONTRACT NO. 61K62	
		PLOT DATE =	DATE - 10/15/2025									REVISED -	ILLINOIS FED. AID PROJECT					



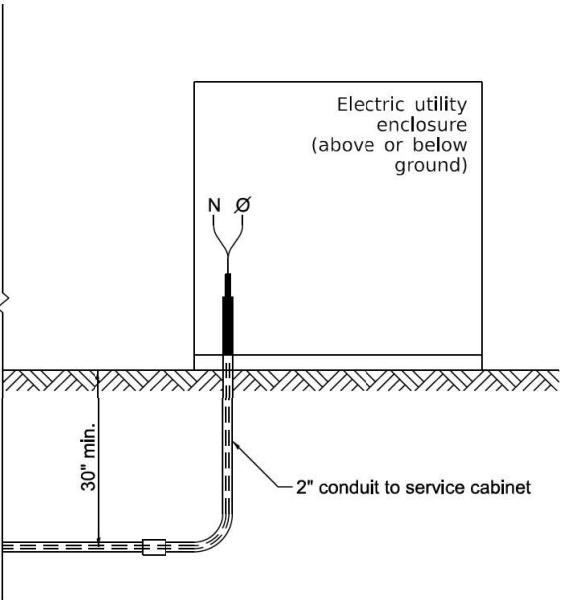
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

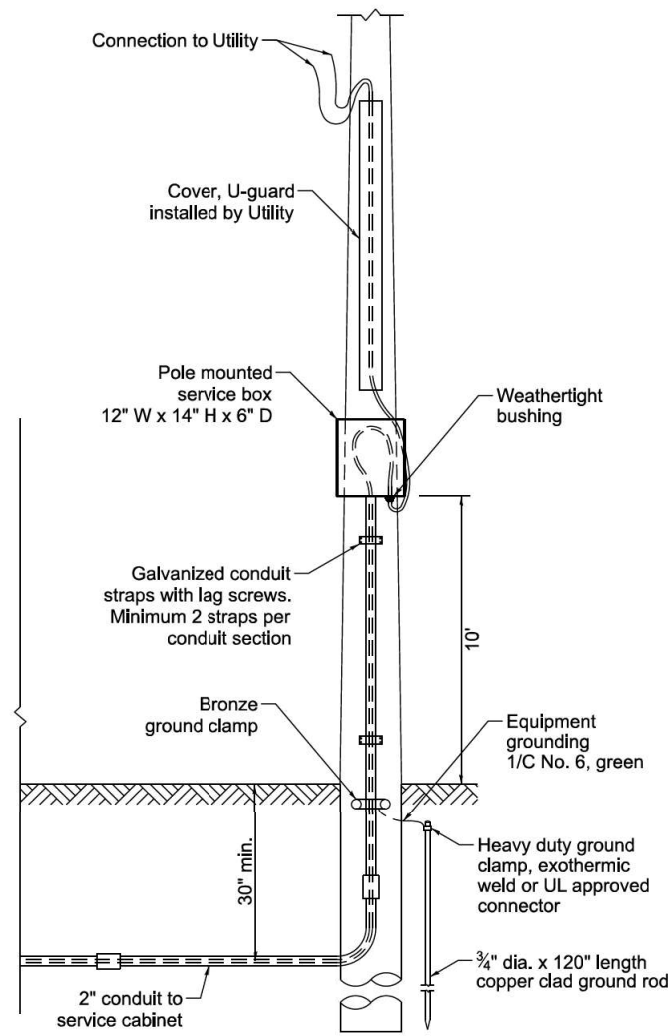
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR. THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.



SERVICE INSTALLATION - GROUND MOUNTED WITH METER

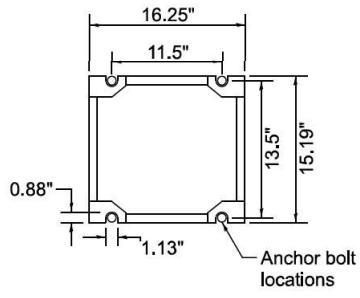


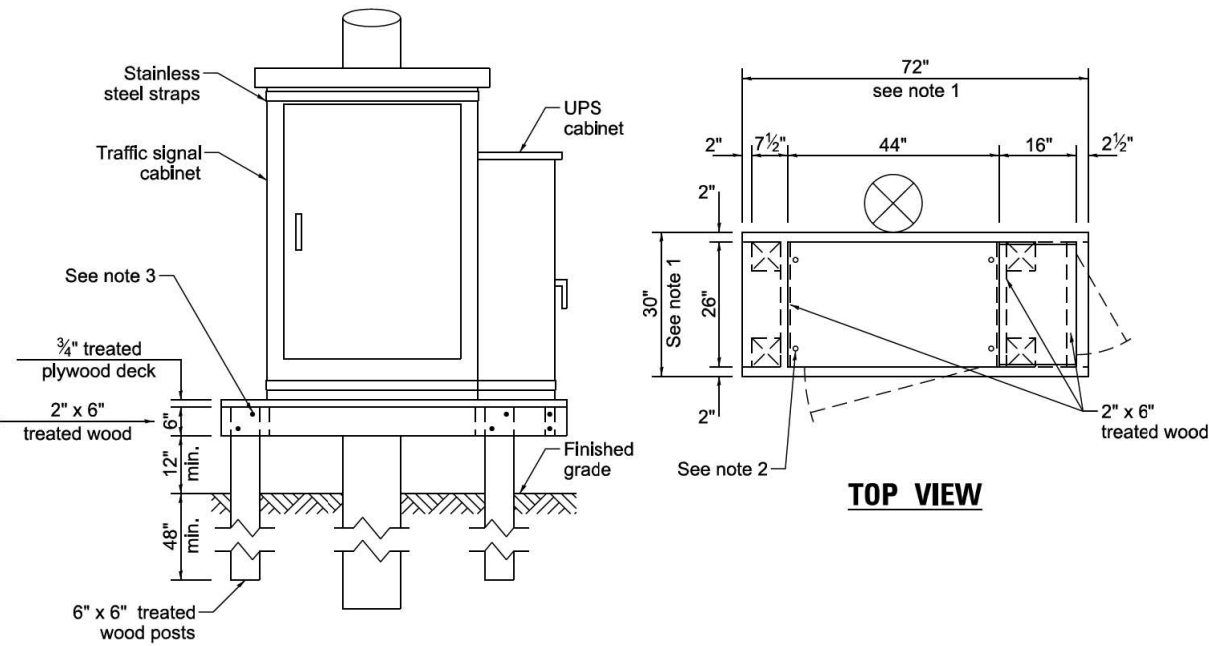
CONNECTION TO UTILITY ENCLOSURE



CONNECTION TO UTILITY POLE

CABINET BASE BOLT PATTERN





NOTES:

- 1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" AND UNINTERRUPTABLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
- 2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
- 3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

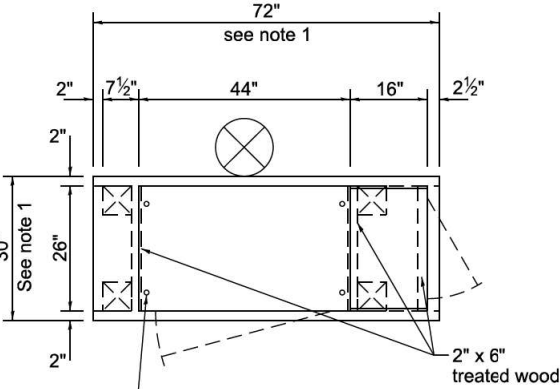
TEMPORARY TRAFFIC SIGNAL
CABINET WOOD SUPPORT PLATFORM

MAST ARM LENGTH	Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30'	10'	30"	24"	8	#6
Greater than or equal to 30' and less than 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
Greater than or equal to 40' and less than 50'	13'	36"	30"	12	#7
Greater than or equal to 50' and up to 55'	15'	36"	30"	12	#7
Greater than or equal to 56' and less than 65'	21'	42"	36"	16	#8
Greater than or equal to 65' and up to 75'	25'	42"	36"	16	#8

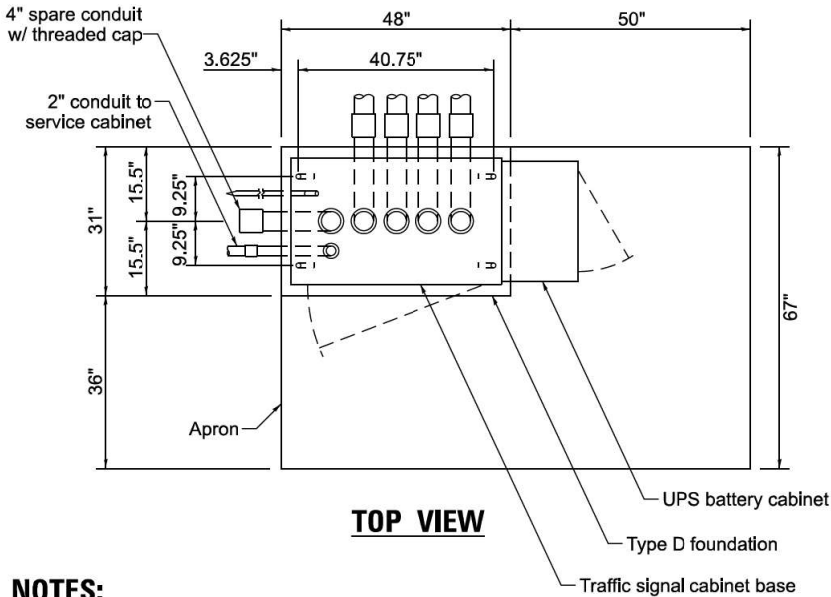
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TYPE E FOUNDATION NOTES:

- 1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
- 2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.



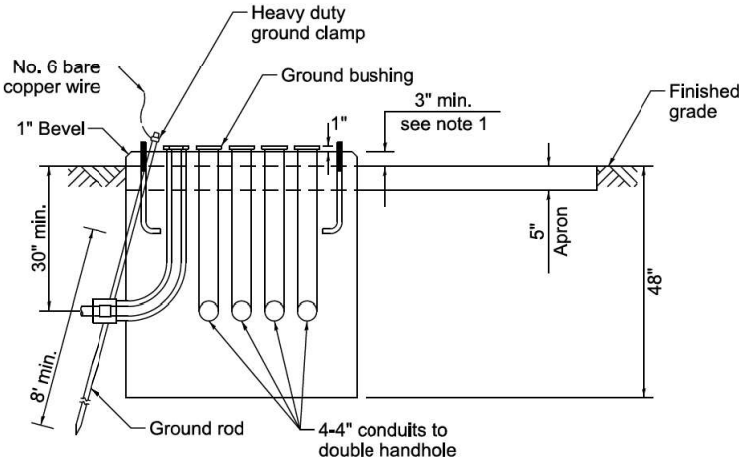
TOP VIEW



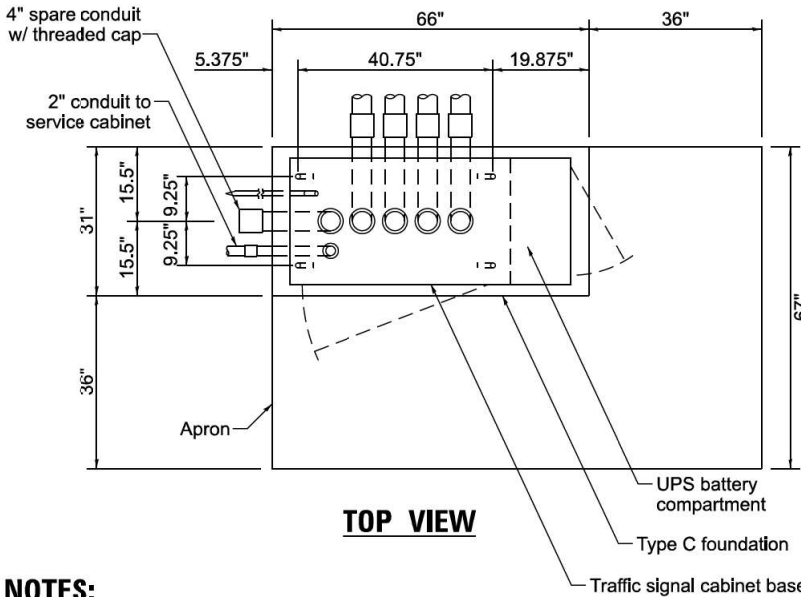
TOP VIEW

NOTES:

- 1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



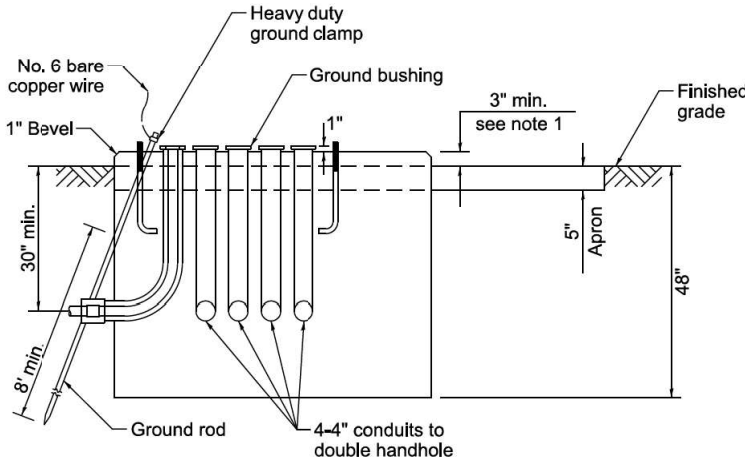
TYPE D FOUNDATION
TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET
AND UPS BATTERY CABINET



TOP VIEW

NOTES:

- 1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



TYPE C FOUNDATION
SUPER P AND SUPER R
TRAFFIC SIGNAL CABINETS

FOUNDATION	DEPTH
Type A - Signal post, service cabinet	4'
Type C - Traffic signal cabinet with UPS	4'
Type D - Traffic signal cabinet	4'

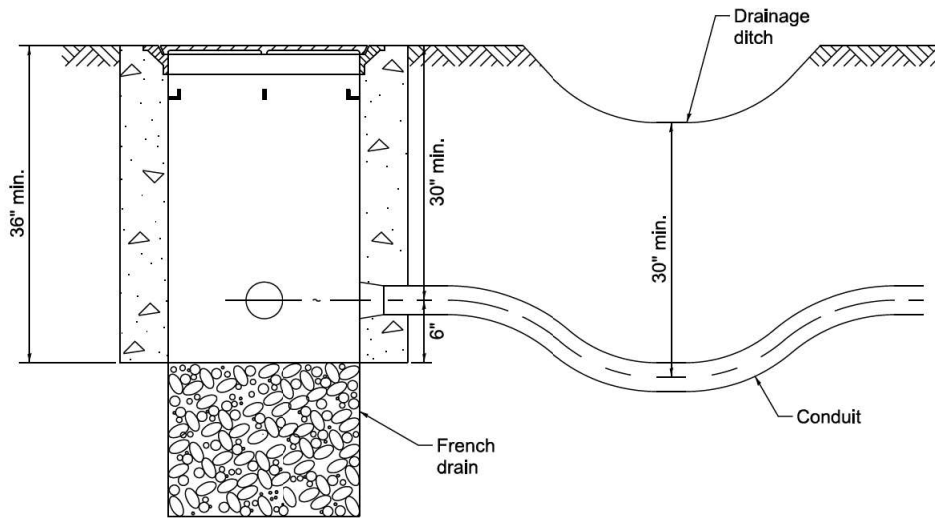
DEPTH OF FOUNDATIONS
TYPES A, C & D

VERTICAL CABLE	LENGTH
Mast arm mounted signal head (L = mast arm length - distance to signal head from end of arm)	20'+L
Bracket mounted signal head (mast arm pole or signal pole)	13'
Pedestrian signal head	10'
Pedestrian push button	6'
Service installation pole mount to service drop	13.5'
Service installation pole mount to ground	13.5'
Service installation ground mount	6'
Foundation (signal post, mast arm, traffic signal cabinet, service cabinet)	3'

VERTICAL CABLE LENGTH

CABLE SLACK	LENGTH
Handhole	6.5'
Double handhole	13'
Signal post	2'
Mast arm	2'
Traffic signal cabinet or service cabinet	1.5'
Fiber optic cable at traffic signal cabinet	13'
Ground cable at signal post, mast arm, or cabinet	1.5'
Ground cable at handhole or double handhole	6.5'
Ground cable between handhole frame and cover	5'

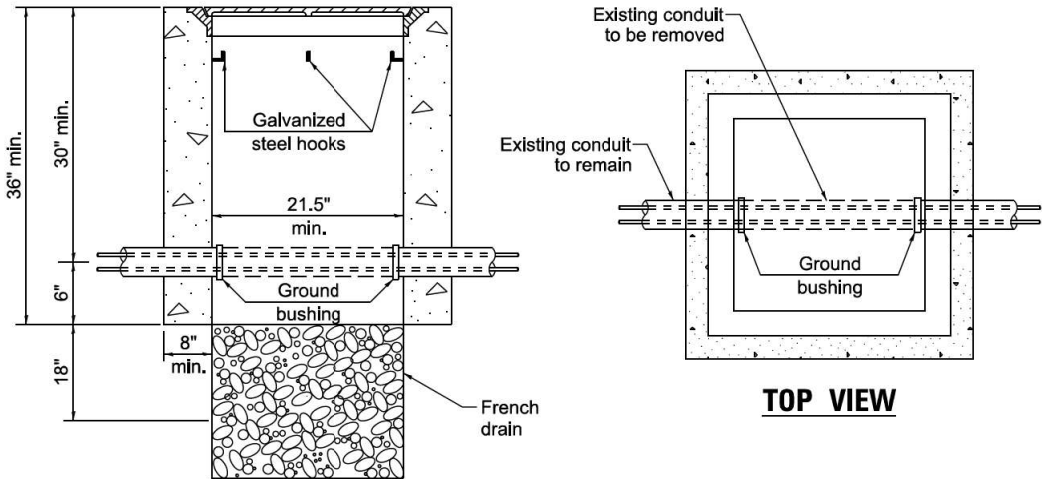
CABLE SLACK LENGTH



NOTES:

- 1. THE CONDUIT DEPTH SHALL BE A MINIMUM OF 30" 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.

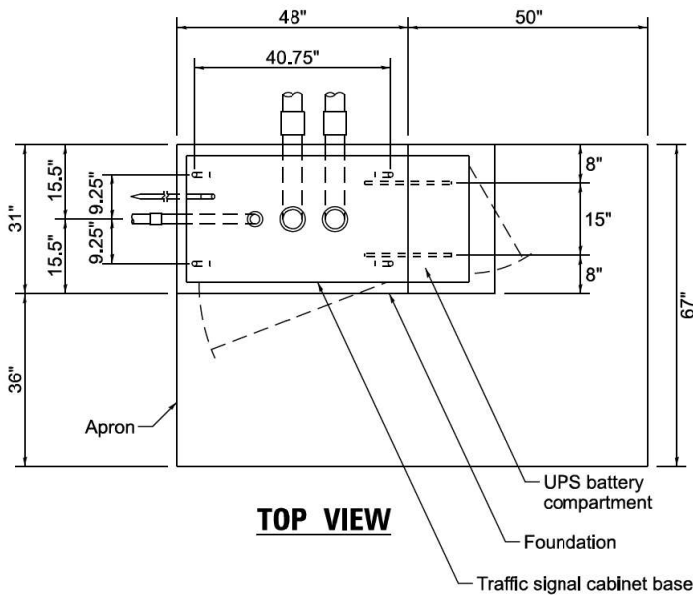
HANDHOLE WITH MINIMUM CONDUIT DEPTH



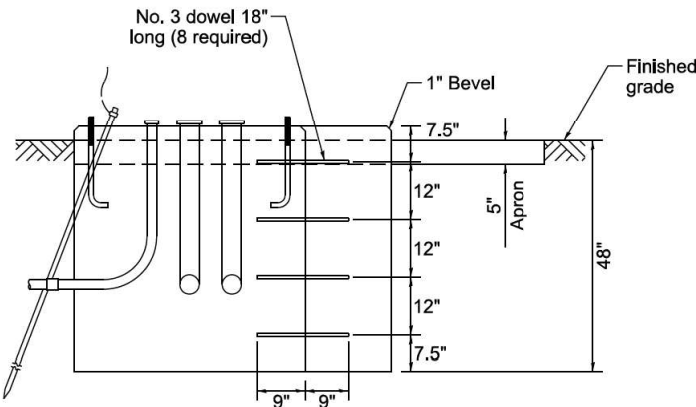
NOTES:

- 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.

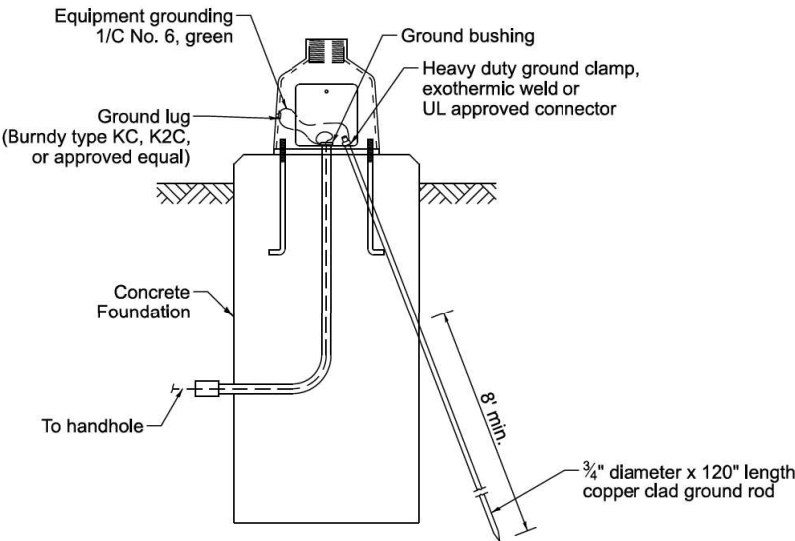
HANDHOLE TO INTERCEPT EXISTING CONDUIT



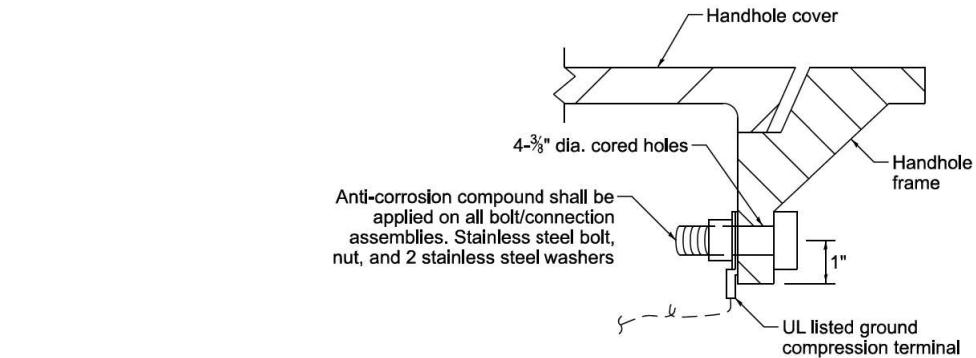
TOP VIEW



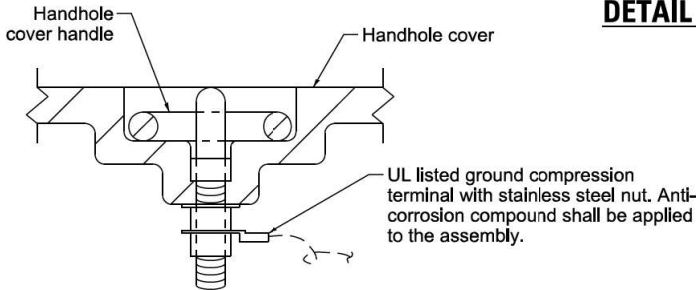
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION



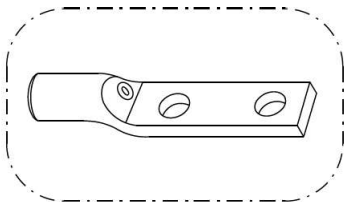
MAST ARM / POST GROUNDING DETAIL



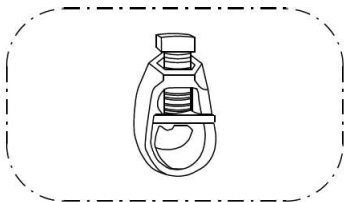
DETAIL A



DETAIL B



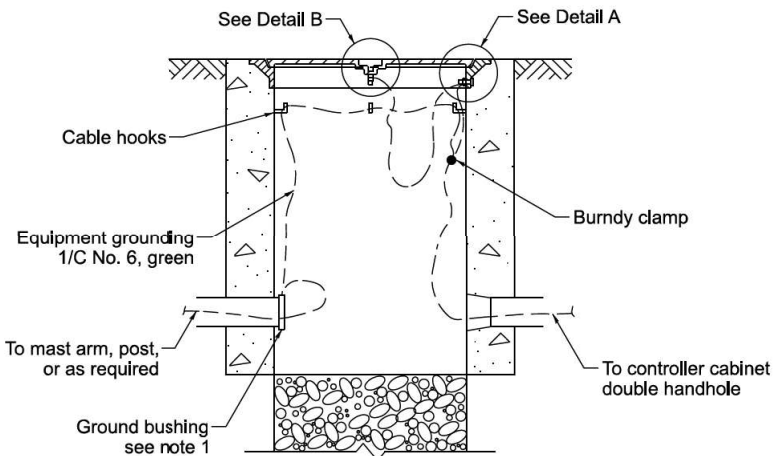
Heavy-Duty Compression Terminal (Burndy Type YGHA or approved equal)



3/4" Heavy-Duty Ground Rod Clamp Bronze or Copper, UL Approved (Burndy Type GRC or approved equal)

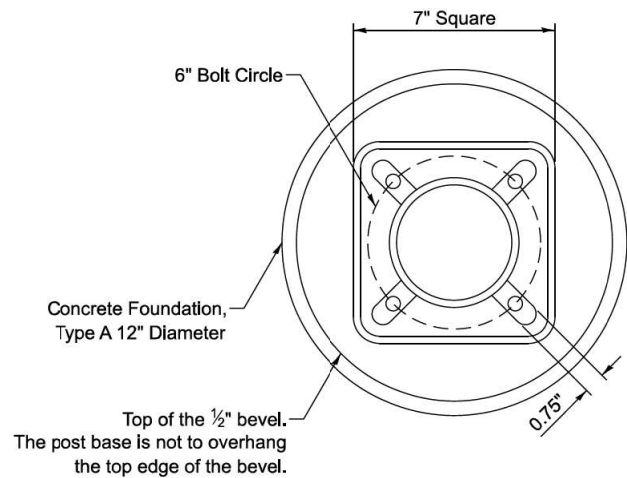
NOTES:

- 1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDED.
- 2. GROUND CABLE SHALL BE LOOPEO OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



HANDHOLE GROUNDING DETAIL

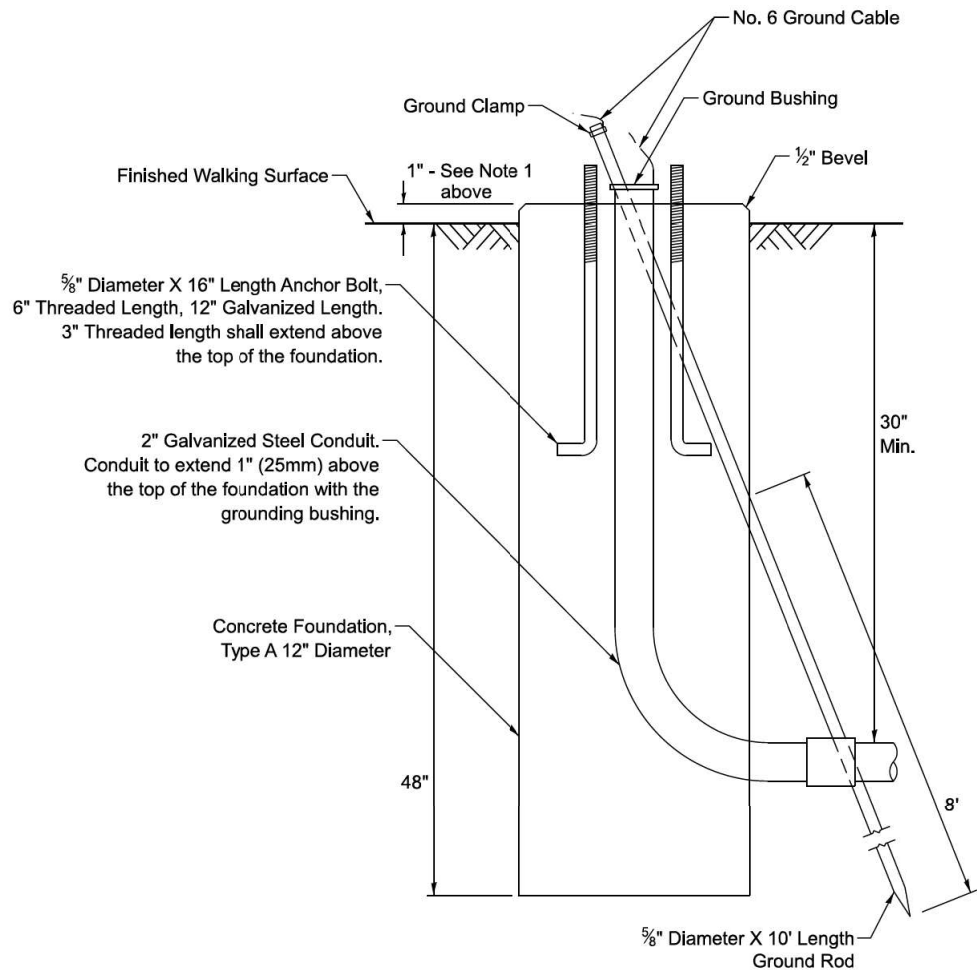
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		DRAWN - IP	REVISED -					1257	15-00038-07-WR	LAKE	1090	424
		CHECKED - NB/KK	REVISED -					TS-01		CONTRACT NO. 61K62		
	PLOT DATE =	DATE - 10/15/2025	REVISED -					SCALE: NTS	SHEET 6 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



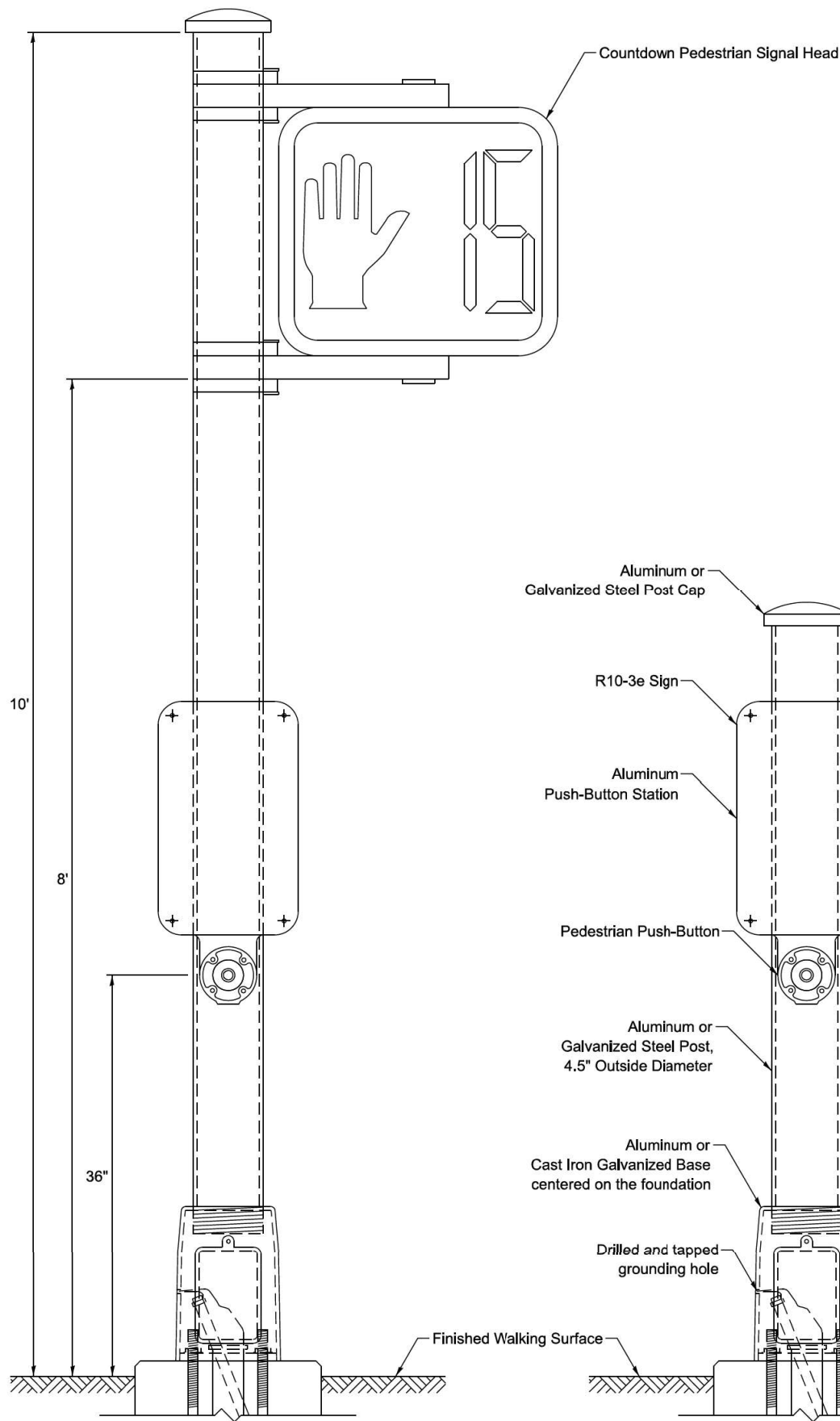
BOLT PATTERN

NOTES:

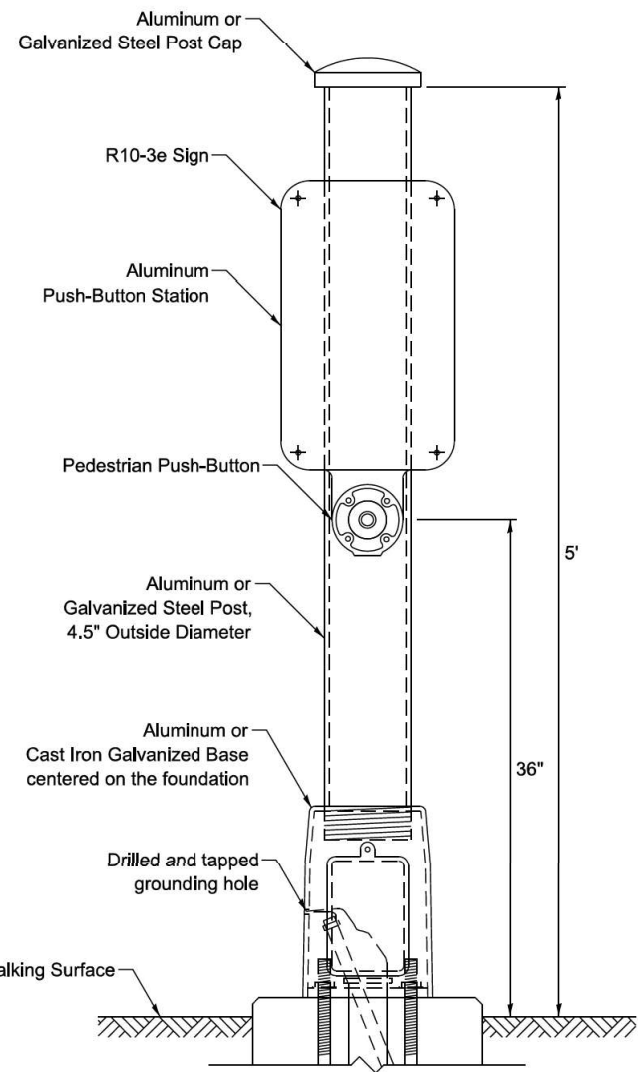
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN A SIDEWALK CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE SIDEWALK CURB.



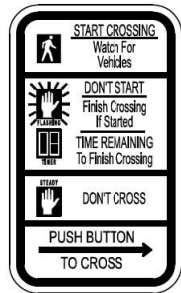
**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



R10-3e
9" X 15"



W10-1101
18" X 24"

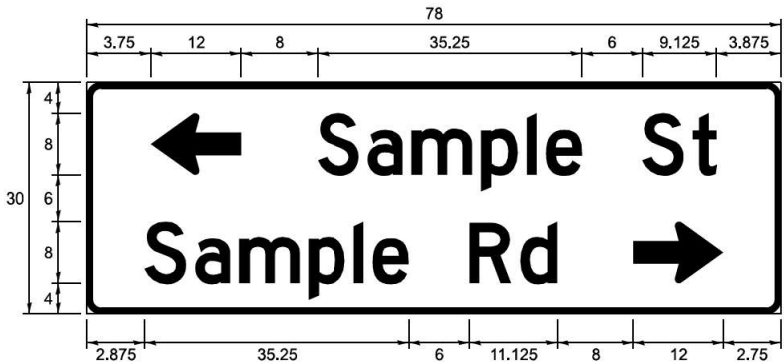
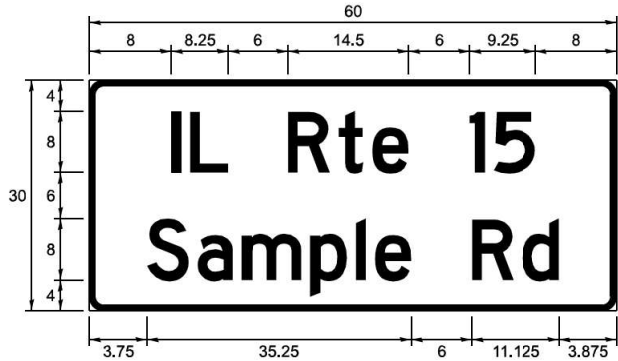
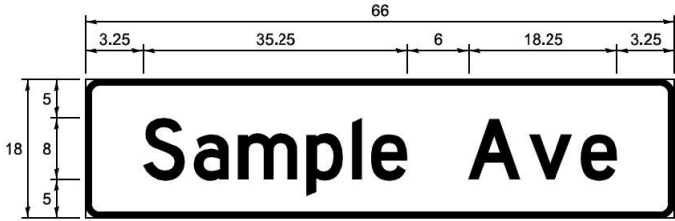
SIGN NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3e IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-1101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

	USER NAME = lovan,plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IP	REVISED -						1257	15-00038-07-WR	LAKE	1090	425
		CHECKED - NB/KK	REVISED -						TS-01				
	PLOT DATE =	DATE - 10/15/2025	REVISED -		SCALE: NTS	SHEET 7 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					

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
C OR D	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS

NAME	ABBREVIATION	LENGTH (INCH)	
		SERIES "C"	SERIES "D"
Avenue	Ave	15	18.25
Boulevard	Blvd	17.125	20
Circle	Clr	11.125	13
Court	Ct	8.25	9.625
Drive	Dr	8.625	10.125
Highway	Hwy	18.375	22
Illinois	IL	7	8.25
Lane	Ln	9.125	10.75
Parkway	Pkwy	23.375	27.375
Place	Pl	7.125	7.75
Road	Rd	9.625	11.125
Route	Rte	12.625	14.5
Street	St	8	9.125
Terrace	Ter	12.625	14.625
Trail	Tr	7.75	9.125
United States	US	10.375	12.25

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST 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 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.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- 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", BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. THE SPACING BETWEEN THE LEFT OR RIGHT ARROW AND THE ADJACENT WORD SHOULD BE 8", BUT MAY BE REDUCED TO 6" 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.
- THE PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE THE SERIES "D" ALPHABET ON A ONE-LINE SIGN THAT IS 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 ONE-LINE 8'-0" SIGN, A 30" HEIGHT TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION (I.E. STREET, AVENUE, ETC.) SHALL BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- 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 REQUIREMENTS AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX 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

- WESTERN REMAC, INC.
WOODRIDGE, IL

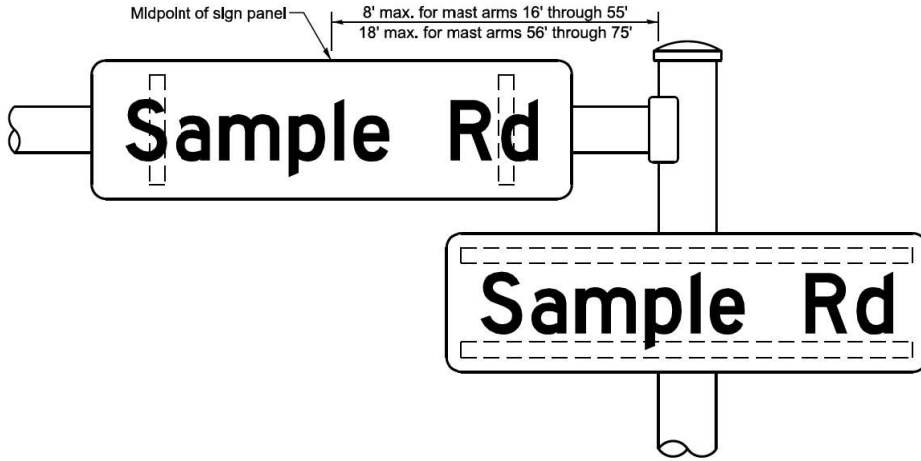
PARTS LISTING:

- 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

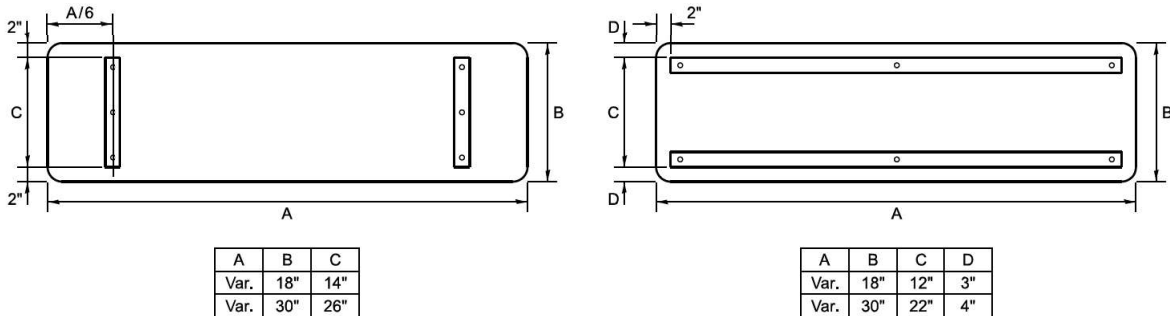
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATIONS

ARM OR POLE MOUNTED



SUPPORTING CHANNELS

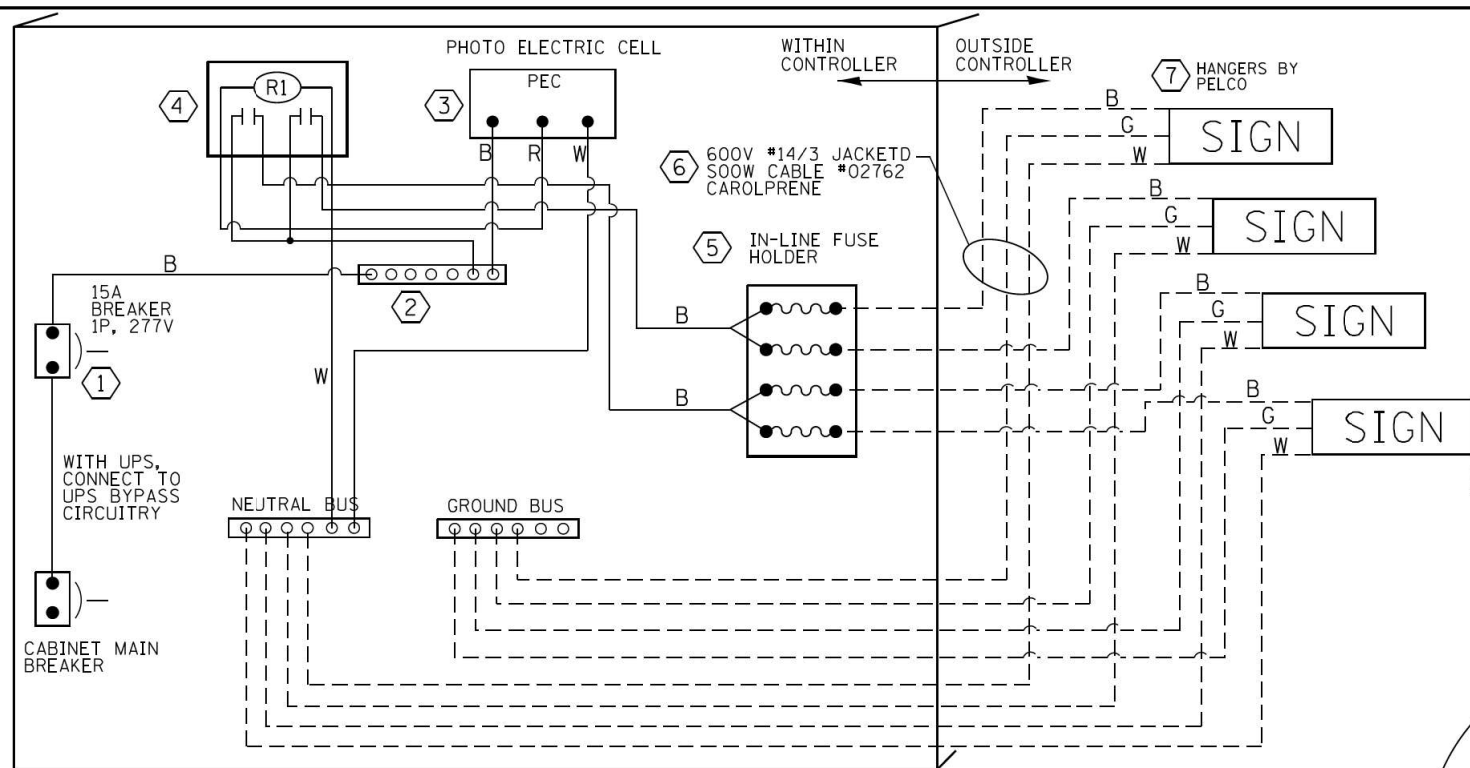


STANDARD ALPHABETS SPACING CHART

MEASUREMENTS BASED ON 8" UPPER CASE LETTER HEIGHT

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

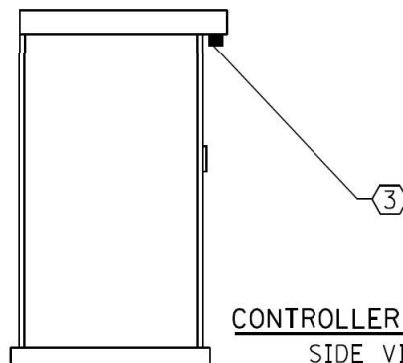
	USER NAME = lovan,plascenda	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 MAST ARM MOUNTED STREET NAME SIGNS	SCALE: NTS	SHEET 1	OF 1	SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IP	REVISED -									1257	15-00038-07-WR	LAKE	1090	426
		CHECKED - NB	REVISED -									TS-02		CONTRACT NO. 61K62		
	PLOT DATE =	DATE - 10/15/2025	REVISED -									ILLINOIS FED. AID PROJECT				



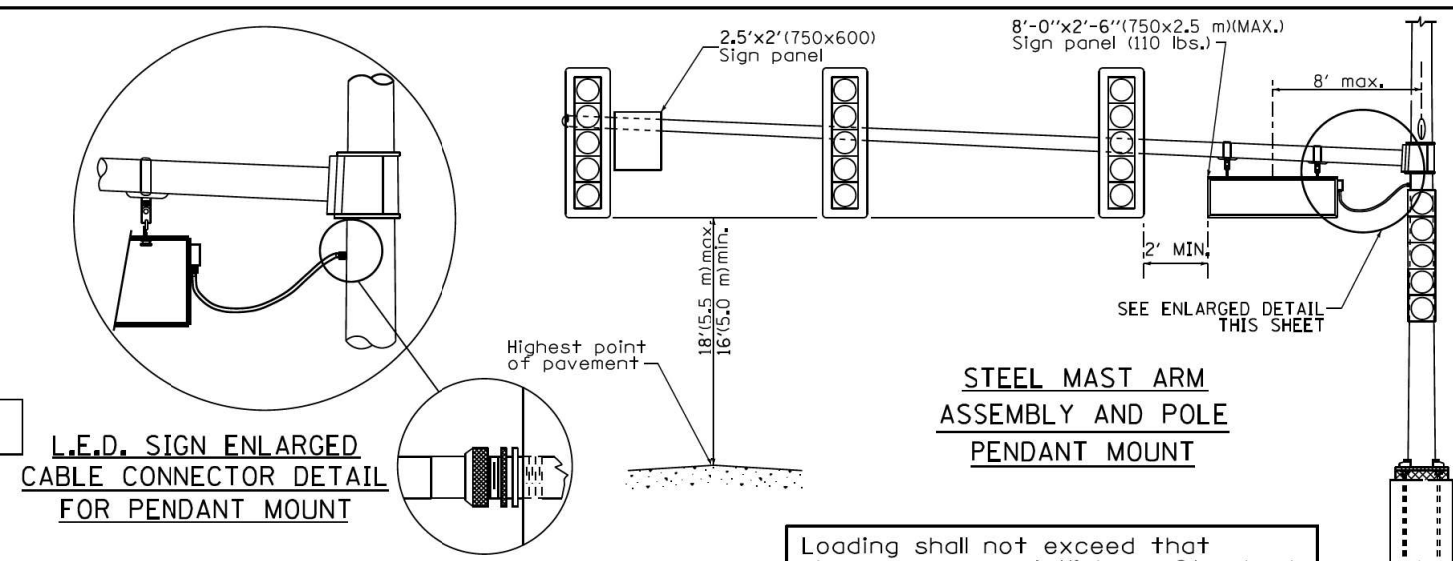
LED SIGN WIRING DETAIL

BILL OF MATERIALS

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/S00W	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	Pendant (SE-5015) Direct mount (AB-0104-L-SP) Additional sign stiffeners may be required for direct mounted signs.	S.S. HARDWARE



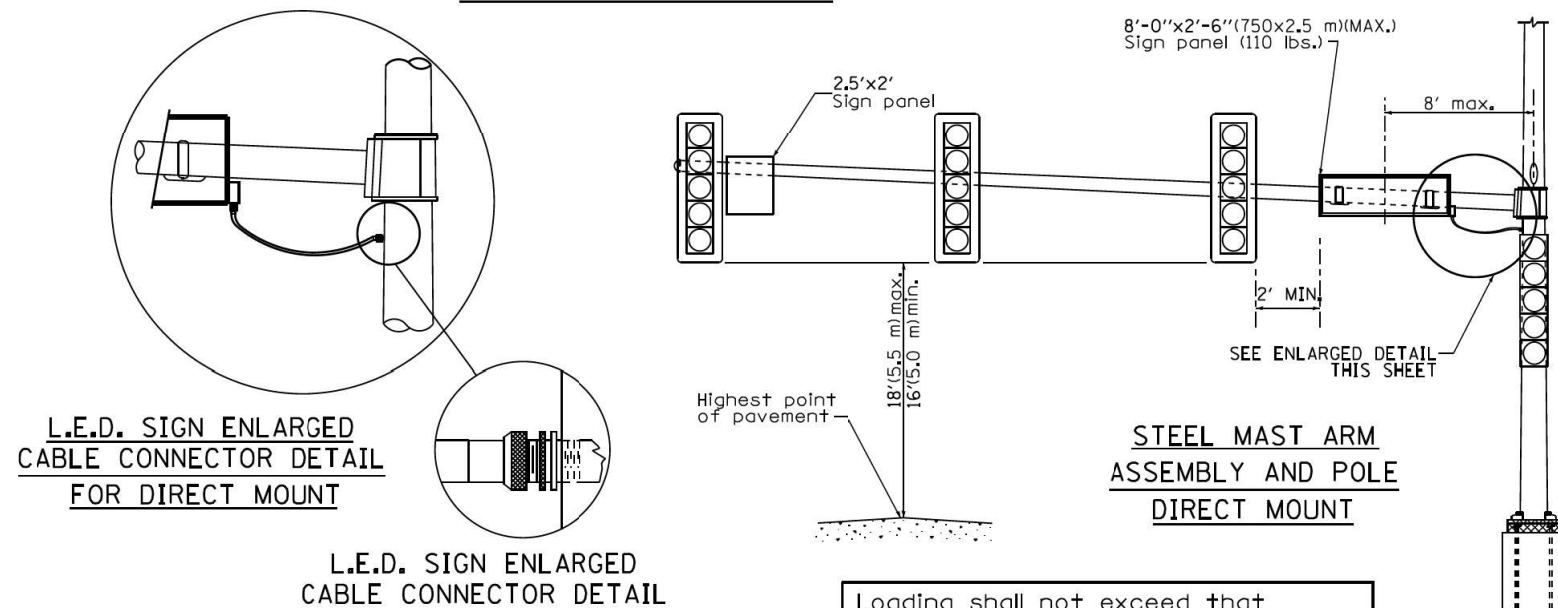
CONTROLLER CABINET
SIDE VIEW



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL
FOR PENDANT MOUNT

L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL

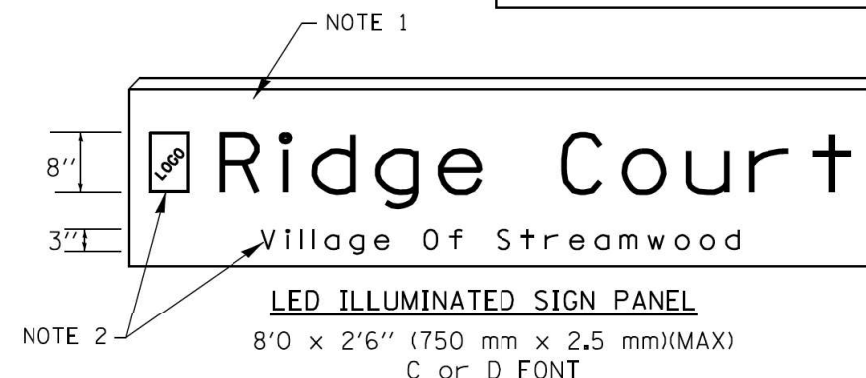
Loading shall not exceed that shown on current Highway Standard.



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL
FOR DIRECT MOUNT

L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL

Loading shall not exceed that shown on current Highway Standard.



NOTES:

- SIGNS SHALL BE SINGLE SIDED FOR DIRECT MOUNT AND DOUBLE SIDED FOR PENDANT MOUNT.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND UPON REMOVAL OF THE TEMPORARY SIGNAL, THIS ITEM SHALL BE RETURNED TO THE EXISTING TRAFFIC SIGNALS.

- 1

EACH

PAN TILT ZOOM CAMERA AND ENCODER
- 1

EACH

LAYER II SWITCH
- 2

EACH

CONFIRMATION BEACON
- 2

EACH

LIGHT DETECTOR
- 1

EACH

LIGHT DETECTOR AMPLIFIER
- 4

EACH

LENS COVER

REMOVAL AND RELOCATION NOTES (CONT.):

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.

- 4

EACH

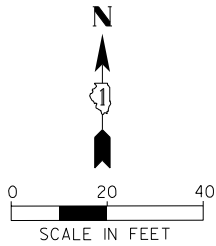
5-SECTION SIGNAL HEAD

WOODMAN'S ENTRANCE

SIGN (A)

LEFT ON GREEN
ARROW
ONLY

RI0-5
4 REQUIRED
30" x 36"



TEMPORARY WIRELESS INTERCONNECT
TO IL ROUTE 21 / US ROUTE 45
(MILWAUKEE AVENUE)

MATCH LINE STA. 94+55

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND TEMPORARY TRAFFIC SIGNAL CABINET.
- 2 THE CONTRACTOR SHALL RELOCATE THE EXISTING LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL CABINET TO THE TEMPORARY TRAFFIC SIGNAL CABINET.
- 3 THE CONTRACTOR SHALL CONNECT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AND DETECTION EQUIPMENT TO THE LAYER II SWITCH FOR COMMUNICATION OVER THE LAKE COUNTY NETWORK TO THE TMC IN LIBERTYVILLE.
- 4 ALL REMAINING EXISTING SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, SIGNS, AND PUSHBUTTONS SHALL BE BAGGED AND THE PERMANENT SIGNAL SYSTEM SHALL BE DISABLED AFTER THE TEMPORARY TRAFFIC SIGNAL IS TURNED ON.
- 5 THE CONTRACTOR SHALL INSTALL PATCH CABLES FROM THE EXISTING CABINET TO THE TEMPORARY CABINET FOR THE SERVICE AND FIBER OPTIC CABLE TO THE WEST.
- 6 APS PUSHBUTTONS SHALL BE USED FOR THE TEMPORARY TRAFFIC SIGNAL.

TEMPORARY TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
WPI	91+41.41	61.71' LT	-
WP2	92+67.94	62.47' LT	-
WP3	92+43.98	66.55' RT	-
WP4	91+27.06	53.32' RT	-

MOT – EXISTING CONDITION

FILE NAME =	USER NAME = amissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC EXISTING CONDITION DEERFIELD PKWY /DEERFIELD RD AT WOODMAN'S ENTRANCE					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\WOODMAN\TSMOT-Ex Condition.dgn		DRAWN -	REVISED -							1257	I5-00038-07-WR	LAKE	1090	428
default		CHECKED -	REVISED -							CONTRACT NO. 6IK62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT		

CONSTRUCTION NOTES:

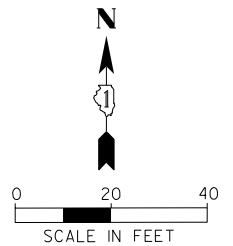
- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO CROSSWALK CLOSURE.

WOODMAN'S ENTRANCE

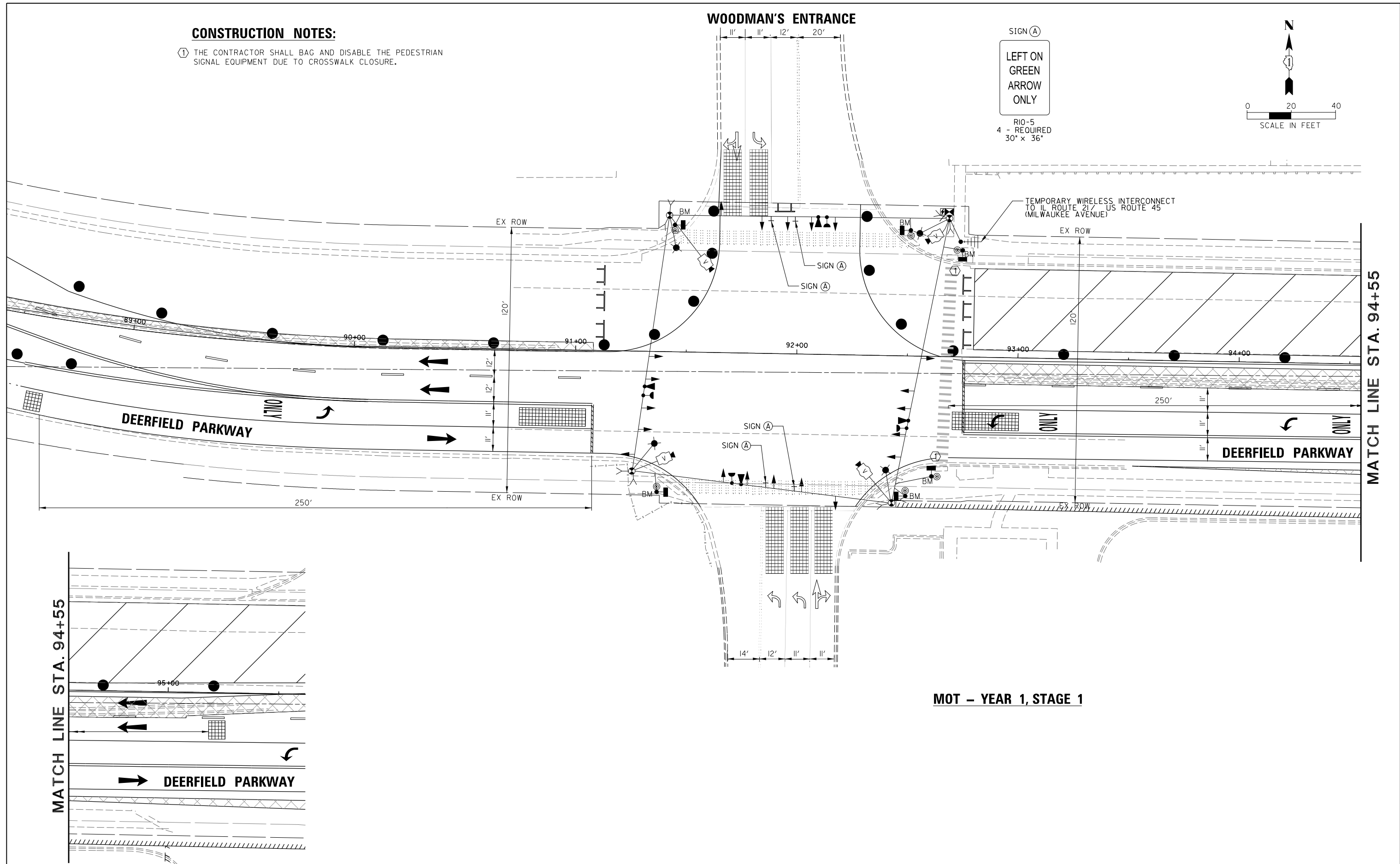
SIGN (A)

LEFT ON
GREEN
ARROW
ONLY

R10-5
4 - REQUIRED
30" x 36"



TEMPORARY WIRELESS INTERCONNECT
TO IL ROUTE 217 / US ROUTE 45
(MILWAUKEE AVENUE)



MATCH LINE STA. 94+55

MATCH LINE STA. 94+55

MOT - YEAR 1, STAGE 1

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\L\CDOT\190304.0003A\Traffic\WOODMAN\	S2_MOT-Stage 1.dgn	DRAWN -	REVISED -
default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1
DEERFIELD PKWY / DEERFIELD RD AT WOODMAN'S ENTRANCE**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	429
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES:

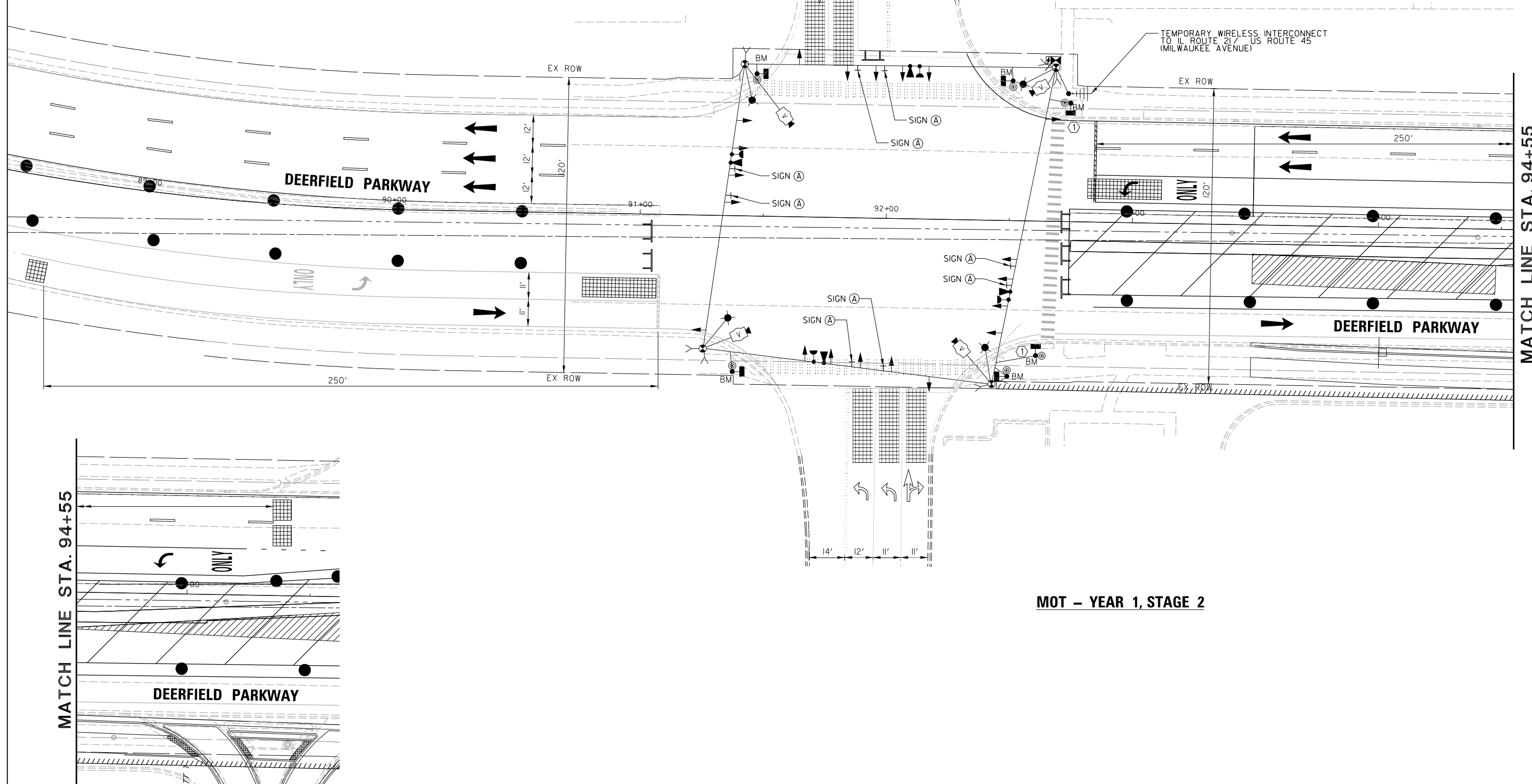
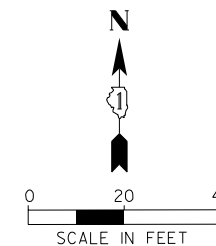
- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO CROSSWALK CLOSURE.

WOODMAN'S ENTRANCE

SIGN (A)

LEFT ON
GREEN
ARROW
ONLY

RI0-5
8 REQUIRED
30" x 36"



MATCH LINE STA. 94+55

DEERFIELD PARKWAY

MATCH LINE STA. 94+55

DEERFIELD PARKWAY

MOT - YEAR 1, STAGE 2

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 2				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\WOODMAN\TS3.MOT-Stage 2.dgn		DRAWN -	REVISED -		DEERFIELD PKWY /DEERFIELD RD AT WOODMAN'S ENTRANCE				1257	15-00038-07-WR	LAKE	1090	430
	PLOT SCALE = 28'	CHECKED -	REVISED -						CONTRACT NO. 61K62				
default	PLOT DATE = 8/7/2026	DATE -	REVISED -										
					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

CONSTRUCTION NOTES:

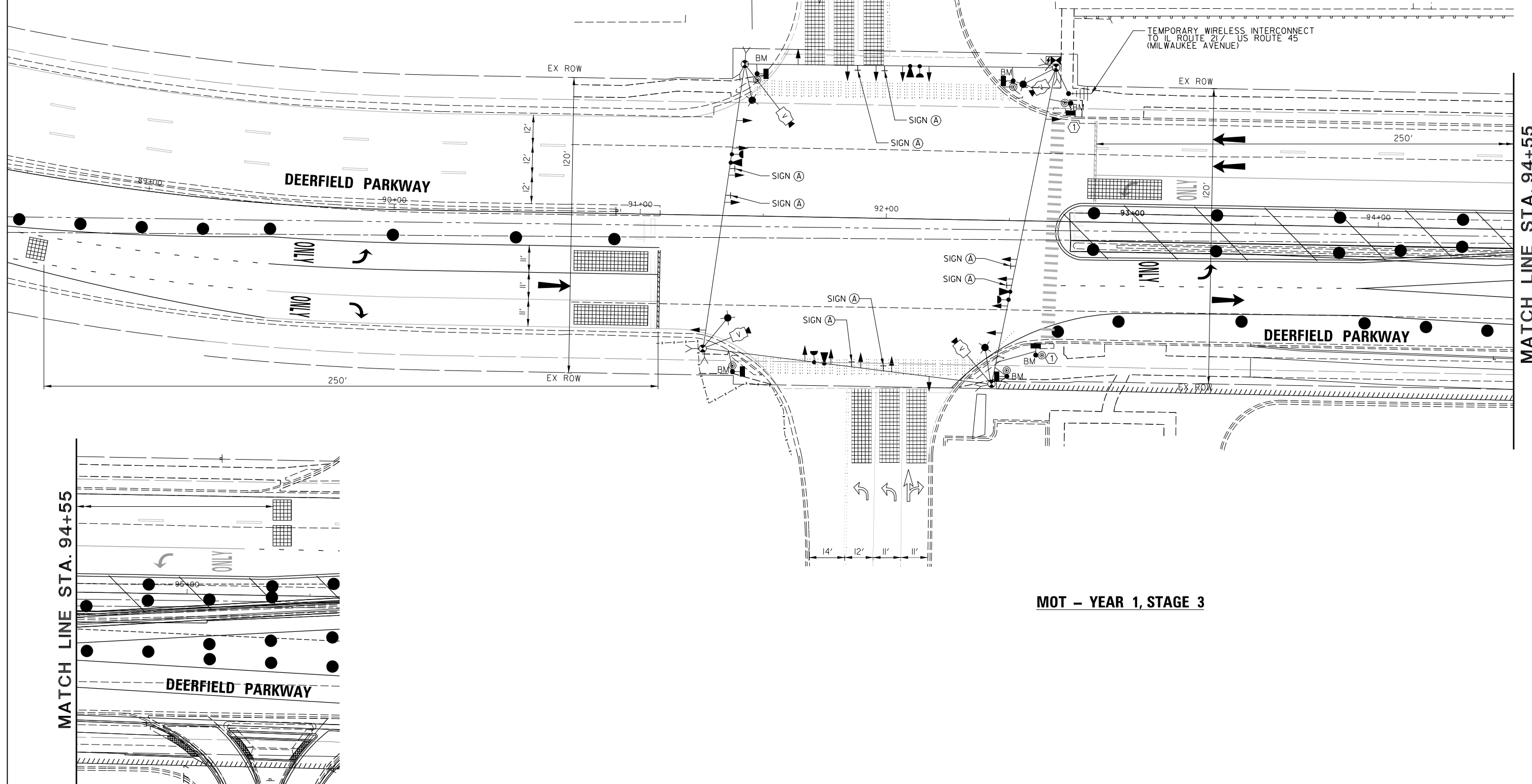
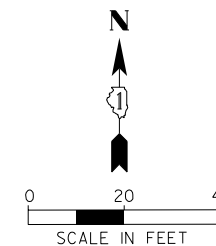
- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO CROSSWALK CLOSURE.

WOODMAN'S ENTRANCE

SIGN (A)

LEFT ON
GREEN
ARROW
ONLY

RI0-5
8 REQUIRED
30" x 36"



MATCH LINE STA. 94+55

MATCH LINE STA. 94+55

MOT – YEAR 1, STAGE 3

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 3 DEERFIELD PKWY /DEERFIELD RD AT WOODMAN'S ENTRANCE					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\CDDOT\190304.0003A\Traffic\WOODMAN\TS4_MOT-Stage 3.dgn	PLOT SCALE = 28'	DRAWN -	REVISED -		1257	15-00038-07-WR	LAKE	1090	431					
default	PLOT DATE = 8/7/2026	CHECKED -	REVISED -		CONTRACT NO. 61K62									
		DATE -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.				
					ILLINOIS FED. AID PROJECT									

CONSTRUCTION NOTES:

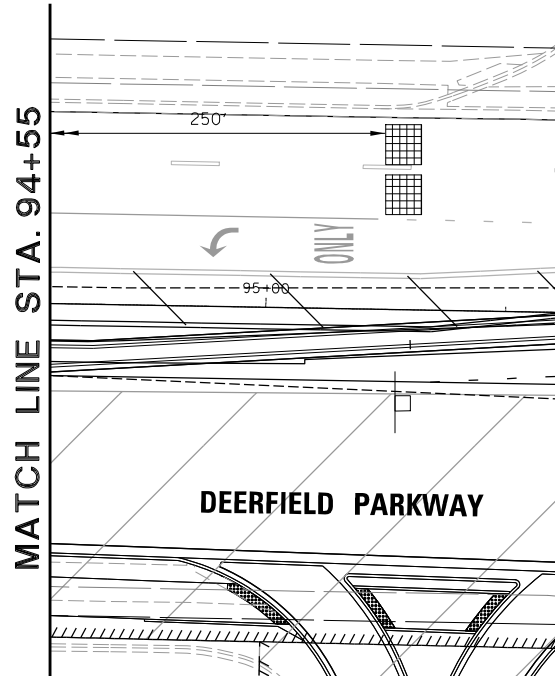
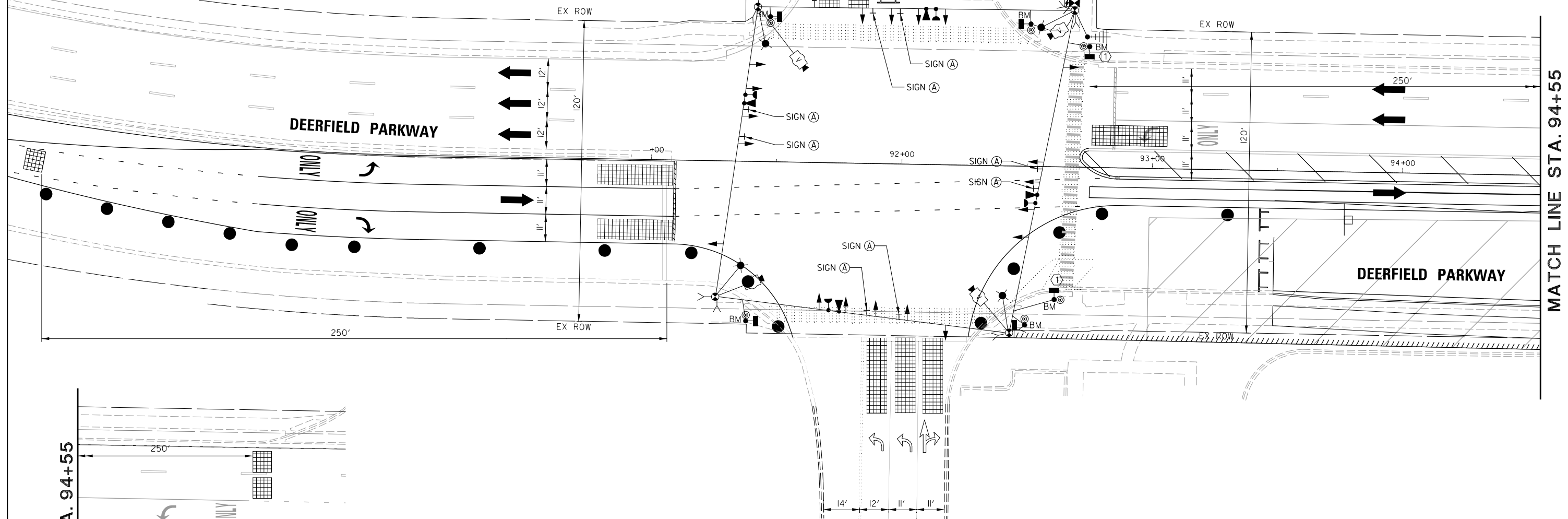
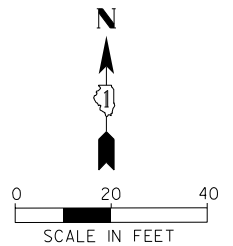
- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO CROSSWALK CLOSURE.

WOODMAN'S ENTRANCE

SIGN (A)

LEFT ON
GREEN
ARROW
ONLY

RI0-5
8 REQUIRED
30" x 36"



MOT – YEAR 1, STAGE 4

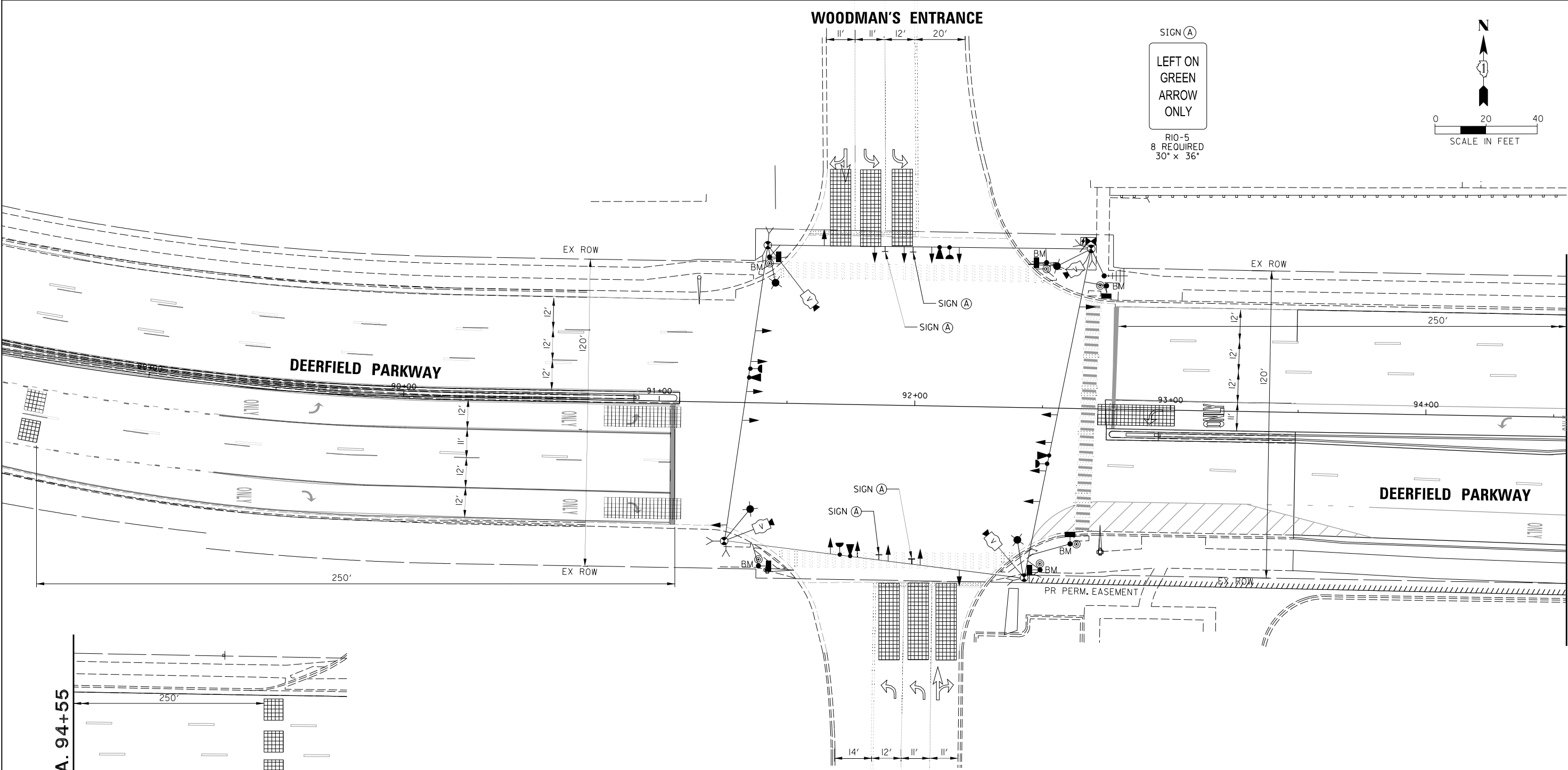
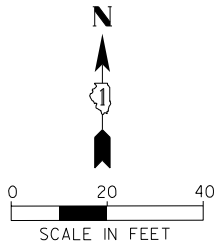
FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 4 DEERFIELD PKWY /DEERFIELD RD AT WOODMAN'S ENTRANCE				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\CDDOT\190304.0003A\Traffic\WOODMAN\	S5_MOT-Stage 4.dgn	DRAWN -	REVISED -		I257	I5-00038-07-WR	LAKE	1090	432				
default	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 6IK62								
	PLOT DATE = 8/7/2026	DATE -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

WOODMAN'S ENTRANCE

SIGN (A)

LEFT ON
GREEN
ARROW
ONLY

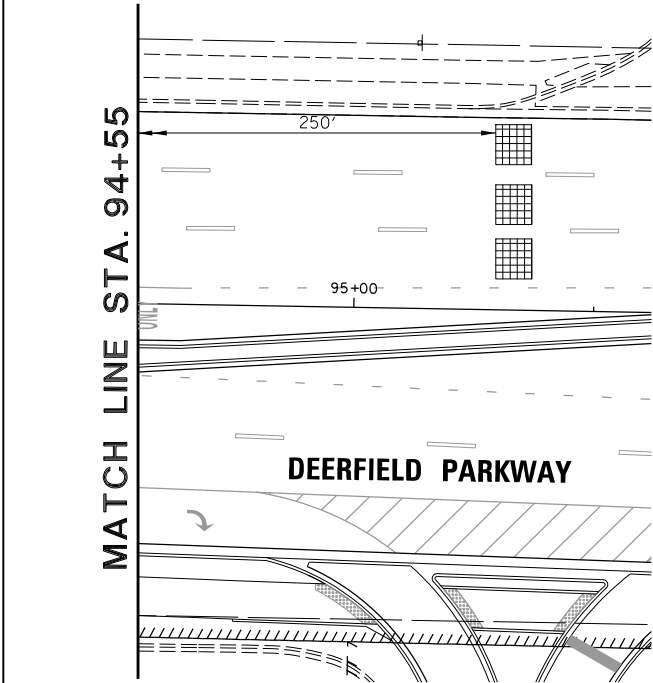
RI0-5
8 REQUIRED
30" x 36"



MATCH LINE STA. 94+55

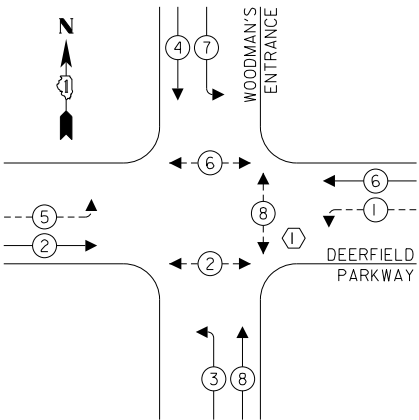
MOT – FINAL CONDITION

MATCH LINE STA. 94+55



FILE NAME = N:\CDDOT\190304.0003A\Traffic\WOODMAN\	USER NAME = omissick S6_MOT-Final Condition.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC FINAL CONDITION DEERFIELD PKWY /DEERFIELD RD AT WOODMAN'S ENTRANCE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1257	15-00038-07-WR	LAKE	1090	433
		PLOT SCALE = 28'	REVISED -					CONTRACT NO. 61K62				
default	PLOT DATE = 8/7/2026	DATE -	REVISED -	SCALE: 1" = 20'			SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

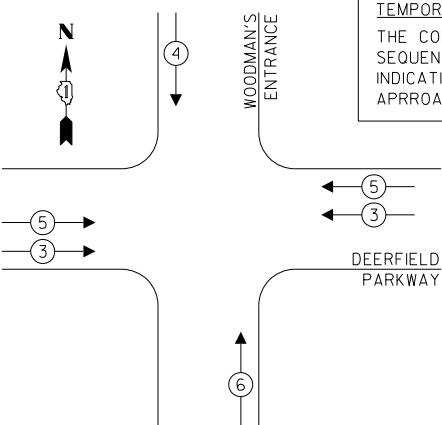
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TEMPORARY EVP SEQUENCE NOTE:
THE CONTRACTOR SHALL PROGRAM PRE-EMPTION SEQUENCES 3 AND 5 TO GIVE THE GREEN CIRCULAR INDICATION ON BOTH THE EASTBOUND AND WESTBOUND APPROACHES ON DEERFIELD ROAD.

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	10	40.0
(GREEN)	20	12	40	96.0
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
TOTAL =				641.0

ENERGY COSTS TO:

VILLAGE OF BUFFALO GROVE
50 RAUPP BOULEVARD
BUFFALO GROVE, IL 60089

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = omissick
N:\LCDOT\190304.0003A\Traffic\WOODMAN\T57_TCB1.dgn	
default	PLOT SCALE = 28'
	PLOT DATE = 8/7/2026

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TEMPORARY CABLE PLAN
DEERFIELD PKWY /DEERFIELD RD AT WOODMAN'S ENTRANCE

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	434
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

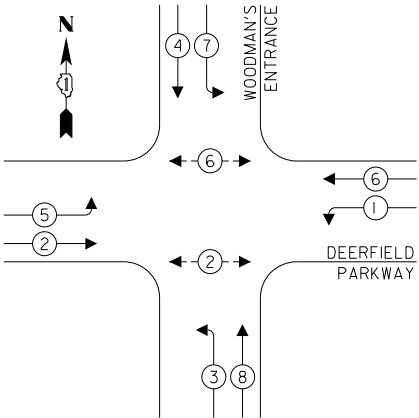
DEERFIELD PARKWAY

WOODMAN'S ENTRANCE

MOT EXISTING CONDITION, MOT STAGE 1,
AND MOT FINAL CONDITION
TEMPORARY CABLE PLAN

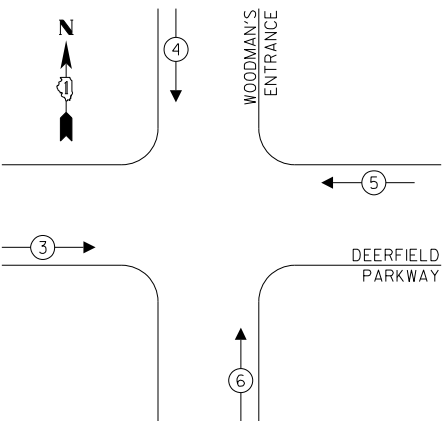
(NOT TO SCALE)

TEMPORARY CONTROLLER SEQUENCE



- LEGEND:**
- PROTECTED PHASE
 - PROTECTED/PERMITTED PHASE
 - PEDESTRIAN PHASE
 - OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	10	40.0
(GREEN)	20	12	40	96.0
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
TOTAL =				601.0

ENERGY COSTS TO:

VILLAGE OF BUFFALO GROVE
50 RAUPP BOULEVARD
BUFFALO GROVE, IL 60089

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = omissick
N:\LCDOT\190304.0003A\Traffic\WOODMAN.TS8_TCB2.dgn	
PLOT SCALE = 28'	
PLOT DATE = 8/7/2026	

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TEMPORARY CABLE PLAN
DEERFIELD PKWY /DEERFIELD RD AT WOODMAN'S ENTRANCE

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	435
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

DEERFIELD
PARKWAY

WOODMAN'S
ENTRANCE

MOT STAGE 2, MOT STAGE 3,
AND MOT STAGE 4
TEMPORARY CABLE PLAN

(NOT TO SCALE)

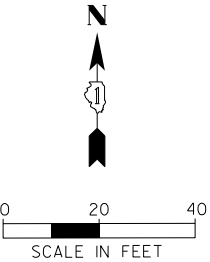
LEGEND:

[Hatched Box] = BAGGED AND DISABLED

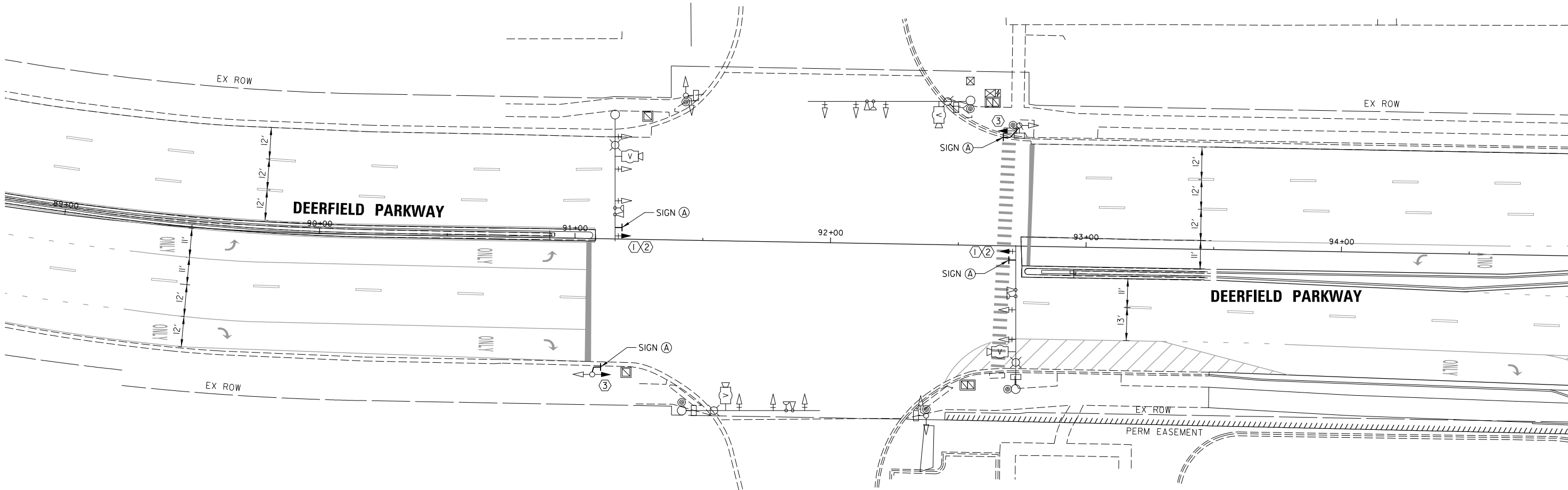




R10-12a
30" X 36"
4 - REQUIRED



WOODMAN'S ENTRANCE



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL MAST ARM MOUNTED 4-SECTION LEFT TURN SIGNAL HEAD WITH FLASHING YELLOW ARROW AND BACKPLATE, UTILIZING EXISTING CABLES.
- ② CONTRACTOR SHALL MOUNT THE SIGNAL HEAD AS FAR AS POSSIBLE TO THE END OF THE MAST ARM.
- ③ THE CONTRACTOR SHALL INSTALL BRACKET MOUNTED 4-SECTION LEFT TURN SIGNAL HEAD WITH FLASHING YELLOW ARROW UTILIZING EXISTING CABLES.

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
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default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

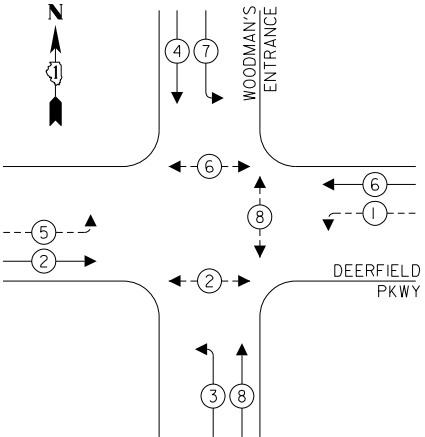
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
DEERFIELD PKWY /DEERFIELD RD AT WOODMAN'S ENTRANCE

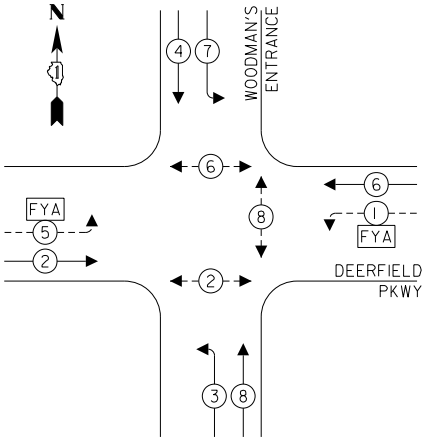
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	436
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

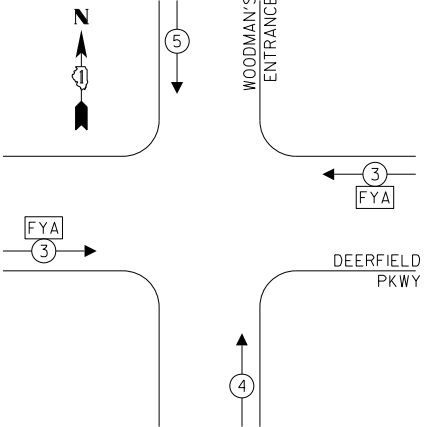
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
SOLID ARROW (RED)	6	10	50	30.0
(GREEN & YELLOW)	16	10	10	16.0
FLASHING ARROW	4	10	5	2.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
PTZ	-	60	100	-
TOTAL =				915.8

ENERGY COSTS TO:

VILLAGE OF DEERFIELD
850 WAUKEGAN ROAD
DEERFIELD, IL 60015

ENERGY SUPPLY: CONTACT: JAZZMINE WADE
PHONE: (847) 748-4315
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL INSTALL MAST ARM MOUNTED 4-SECTION LEFT TURN SIGNAL HEAD WITH FLASHING YELLOW ARROW AND BACKPLATE, UTILIZING EXISTING CABLES.
- CONTRACTOR SHALL MOUNT THE SIGNAL HEAD AS FAR AS POSSIBLE TO THE END OF THE MAST ARM.
- THE CONTRACTOR SHALL INSTALL BRACKET MOUNTED 4-SECTION LEFT TURN SIGNAL HEAD WITH FLASHING YELLOW ARROW UTILIZING EXISTING CABLES.

SCHEDULE OF QUANTITIES

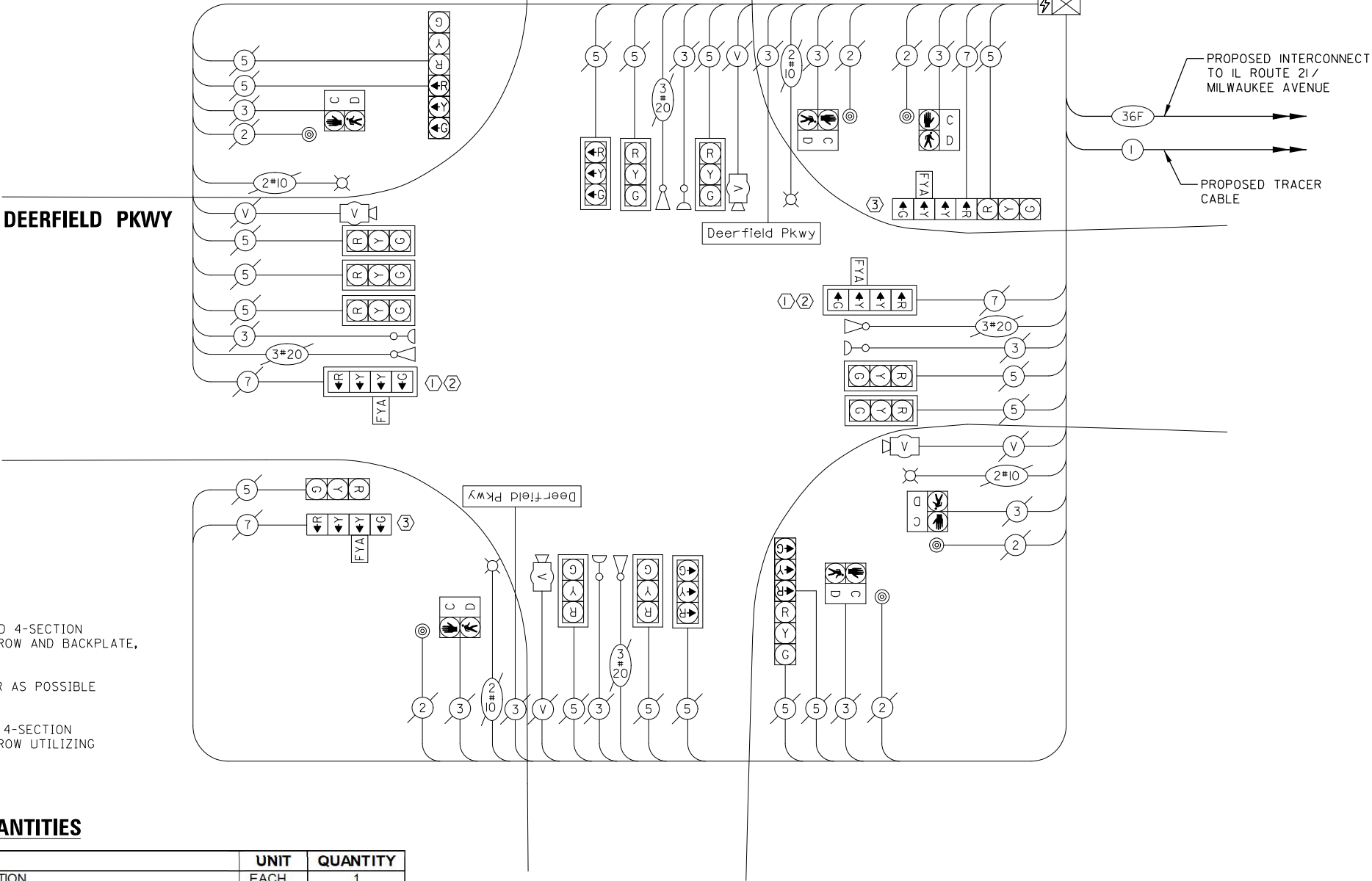
ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING SWITCH (SPECIAL)	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
RELOCATE EXISTING PTZ CAMERA	EACH	1

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP
- FLASHING YELLOW ARROW

DEERFIELD PKWY

WOODMAN'S
ENTRANCE



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
DEERFIELD ROAD AT WOODMAN'S ENTRANCE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	437
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = omissick
N:\CDOT\190304.0003A\Traffic\WOODMAN'S10.CAB.dgn	
PLOT SCALE = 28'	
PLOT DATE = 8/7/2026	

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

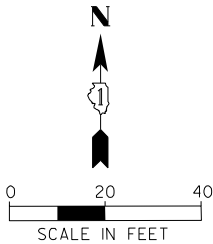
REMOVAL AND RELOCATION NOTES:

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 CONTROLLER
- 3 EACH MAST ARM AND POLE
- 1 EACH COMBINATION MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 12 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH ACCESSIBLE PEDESTRIAN SIGNALS
- 12 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH SERVICE INSTALLATION (GROUND MOUNT)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY
- 4 EACH LED INTERNALLY ILLUMINATED STREET NAME SIGN

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND UPON REMOVAL OF THE TEMPORARY SIGNAL, THIS ITEM SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS OR AS DIRECTED BY THE COUNTY TRAFFIC ENGINEER.

- 1 EACH LAYER II SWITCH

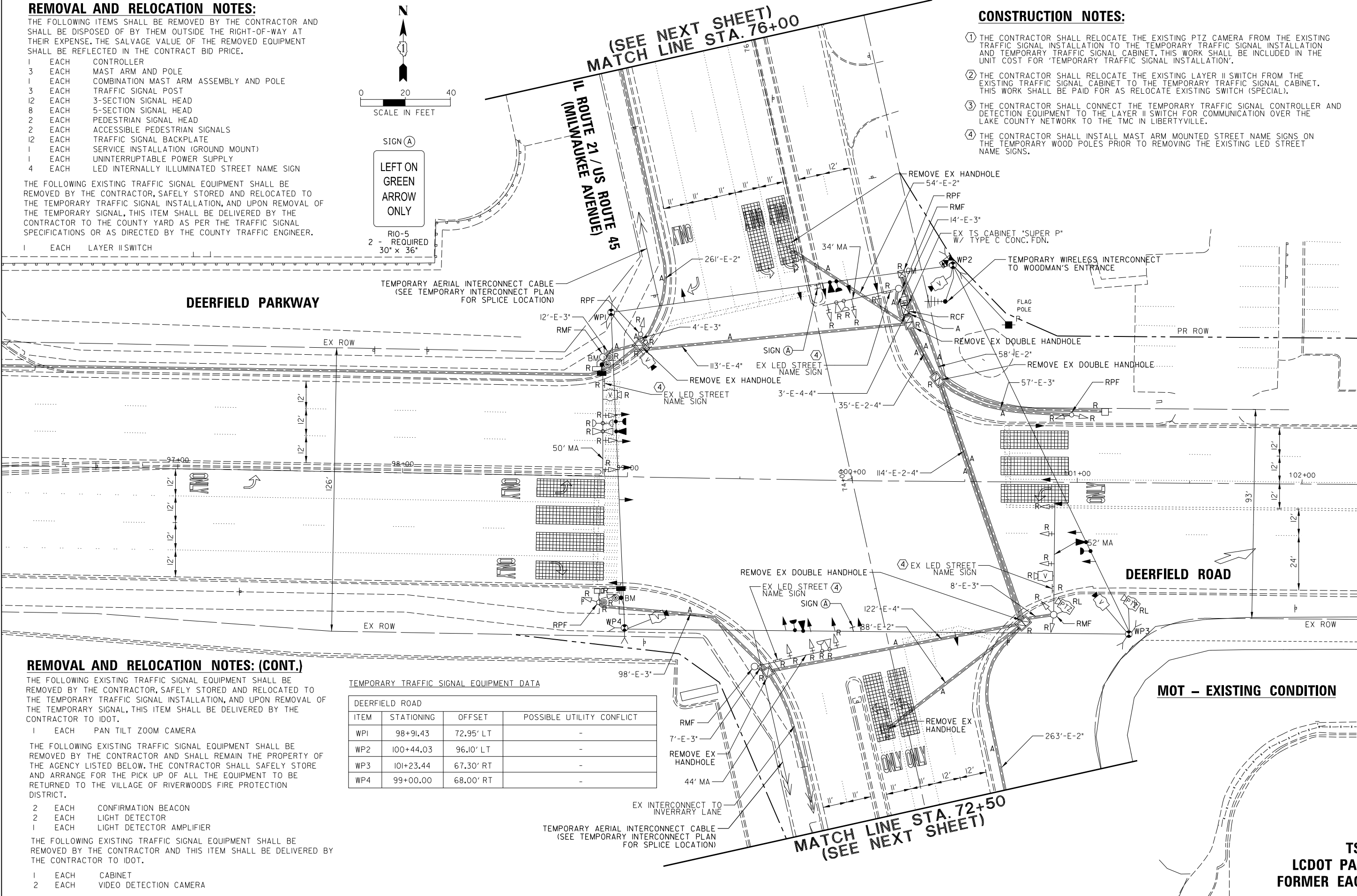


SIGN (A)
LEFT ON
GREEN
ARROW
ONLY

RIO-5
2 - REQUIRED
30" x 36"

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND TEMPORARY TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE INCLUDED IN THE UNIT COST FOR 'TEMPORARY TRAFFIC SIGNAL INSTALLATION'.
- 2 THE CONTRACTOR SHALL RELOCATE THE EXISTING LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL CABINET TO THE TEMPORARY TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR AS RELOCATE EXISTING SWITCH (SPECIAL).
- 3 THE CONTRACTOR SHALL CONNECT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AND DETECTION EQUIPMENT TO THE LAYER II SWITCH FOR COMMUNICATION OVER THE LAKE COUNTY NETWORK TO THE TMC IN LIBERTYVILLE.
- 4 THE CONTRACTOR SHALL INSTALL MAST ARM MOUNTED STREET NAME SIGNS ON THE TEMPORARY WOOD POLES PRIOR TO REMOVING THE EXISTING LED STREET NAME SIGNS.



REMOVAL AND RELOCATION NOTES: (CONT.)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND UPON REMOVAL OF THE TEMPORARY SIGNAL, THIS ITEM SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT.

- 1 EACH PAN TILT ZOOM CAMERA

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 VILLAGE OF RIVERWOODS FIRE PROTECTION DISTRICT.

- 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 THIS ITEM SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT.

- 1 EACH CABINET
- 2 EACH VIDEO DETECTION CAMERA

TEMPORARY TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
WP1	98+91.43	72.95' LT	-
WP2	100+44.03	96.10' LT	-
WP3	101+23.44	67.30' RT	-
WP4	99+00.00	68.00' RT	-

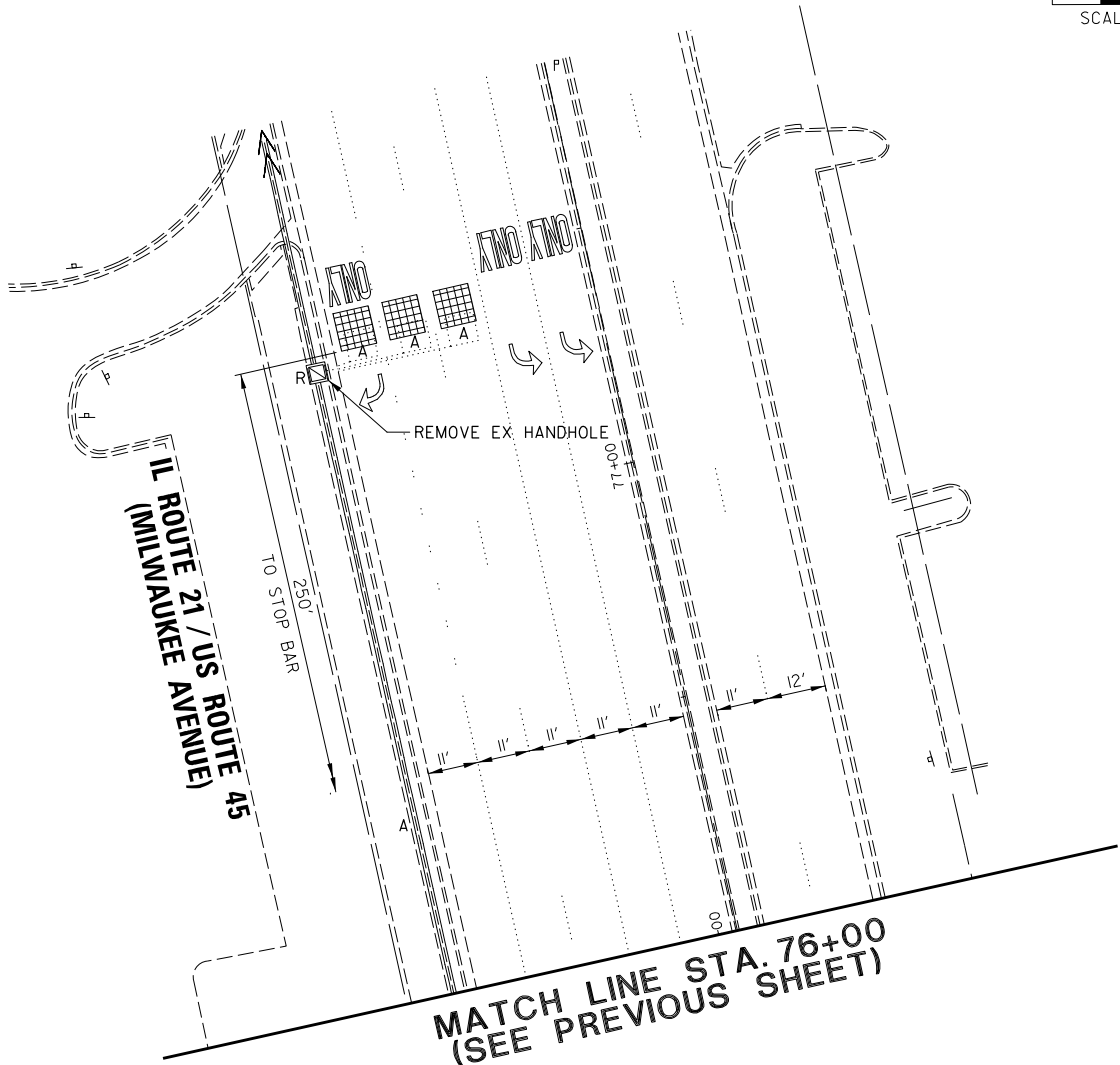
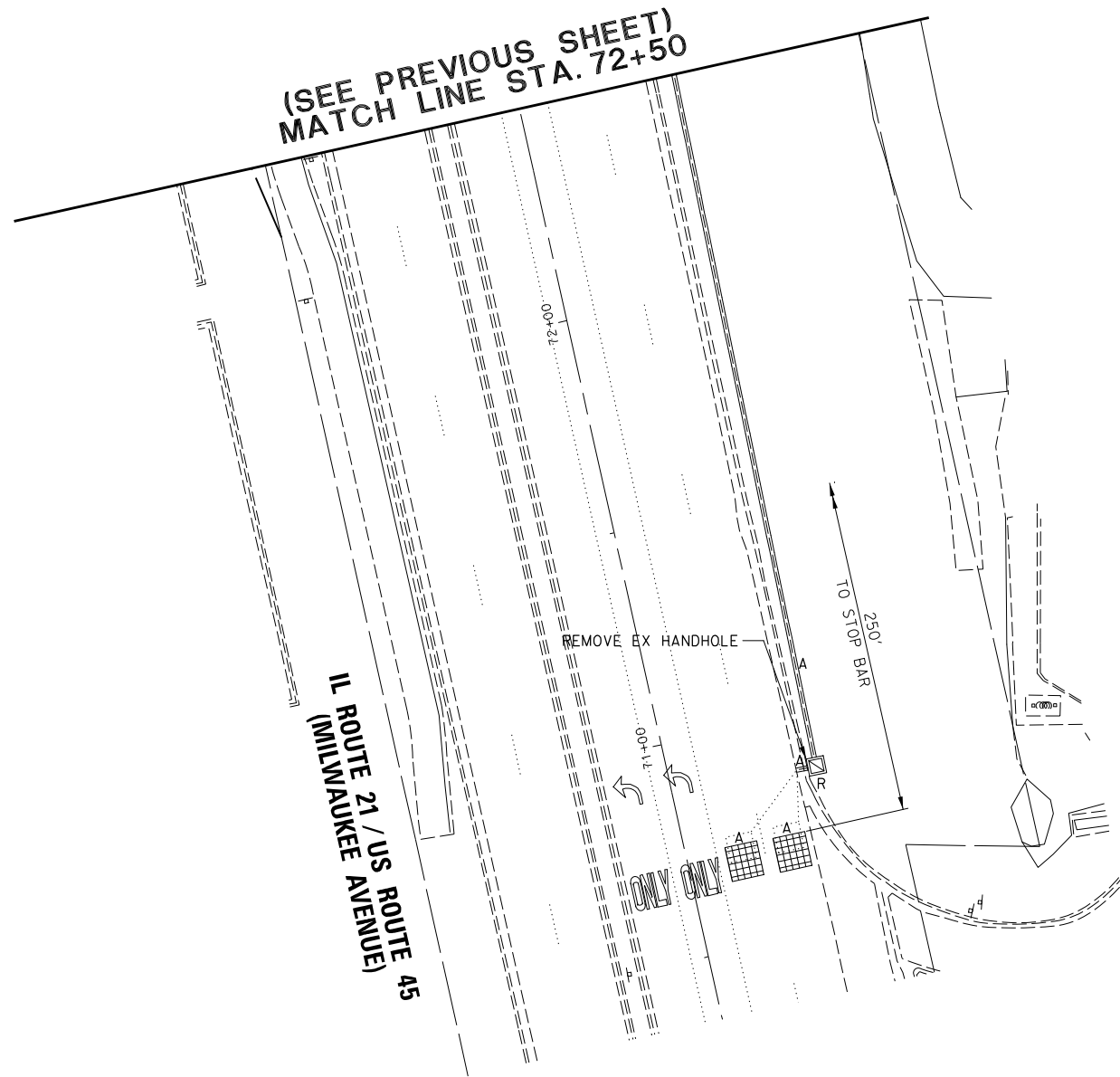
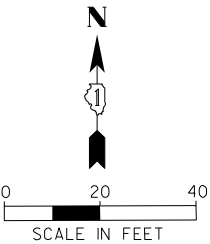
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default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN DEERFIELD PKWY / DEERFIELD RD AT IL 21 / US 45 (MILWAUKEE AVE)			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00038-07-WR	LAKE	1090	438
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H



MOT – EXISTING CONDITION

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME = N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS2_REM_190304.0003A.dgn	DRAWN -	REVISED -					1257	15-00038-07-WR	LAKE	1090	439
	PLOT SCALE = 20'	CHECKED -	REVISED -					CONTRACT NO. 61K62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
default					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		

CONSTRUCTION NOTE:

① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO CROSSWALK CLOSURE.

SIGN (A)

LEFT ON
GREEN
ARROW
ONLY

R10-5
2 - REQUIRED
30" x 36"

(SEE NEXT SHEET)
MATCH LINE STA. 76+00

IL ROUTE 21 / US ROUTE 45
(MILWAUKEE AVENUE)

TEMPORARY AERIAL INTERCONNECT
TO BUSCH PKWY

DEERFIELD PARKWAY

SIGN (A)

TEMPORARY WIRELESS INTERCONNECT
TO WOODMAN'S ENTRANCE

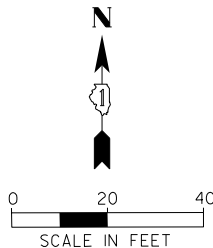
MATCH LINE STA. 102+25

MATCH LINE STA. 102+25

DEERFIELD ROAD

MOT – YEAR 1, STAGE 1

MATCH LINE STA. 72+50
(SEE NEXT SHEET)



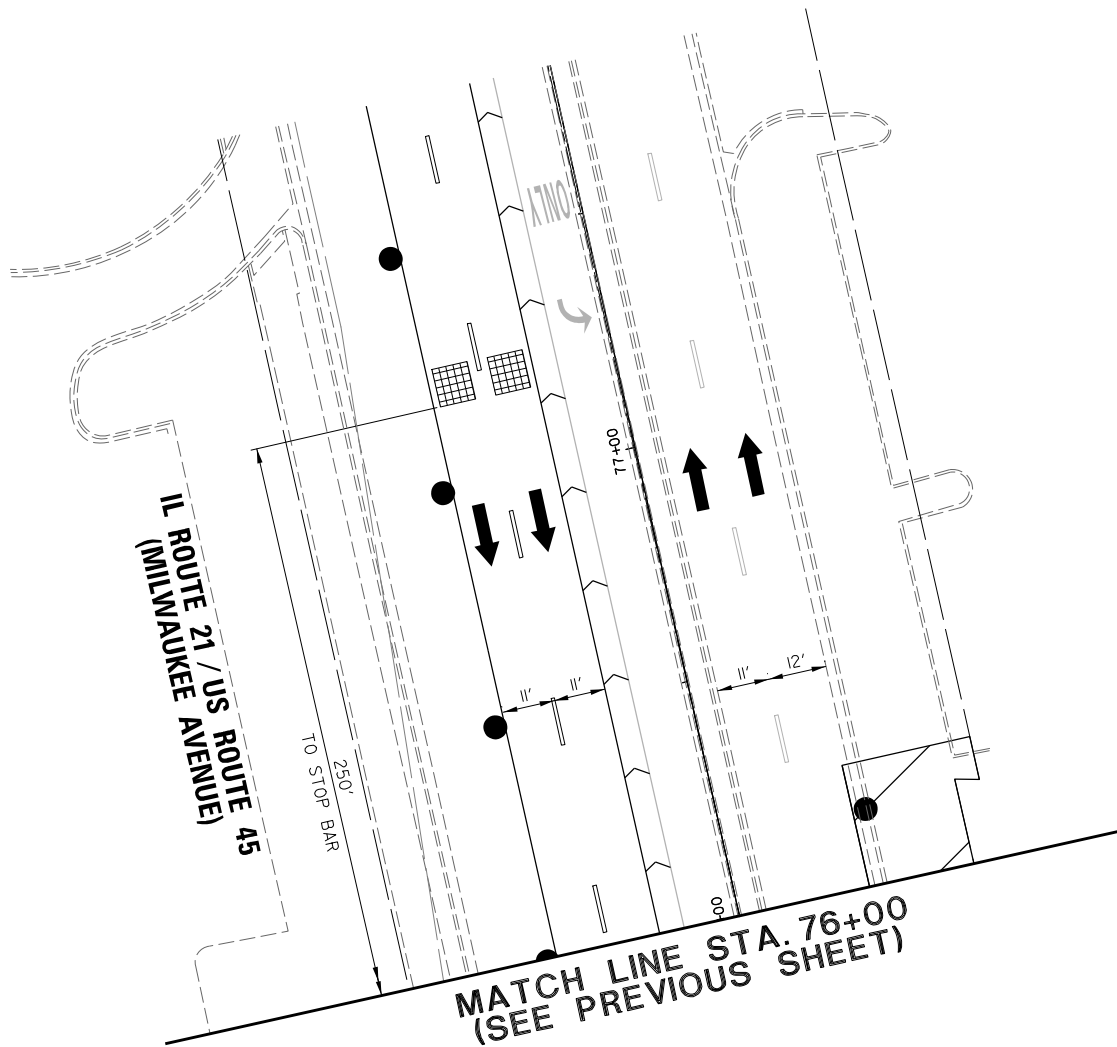
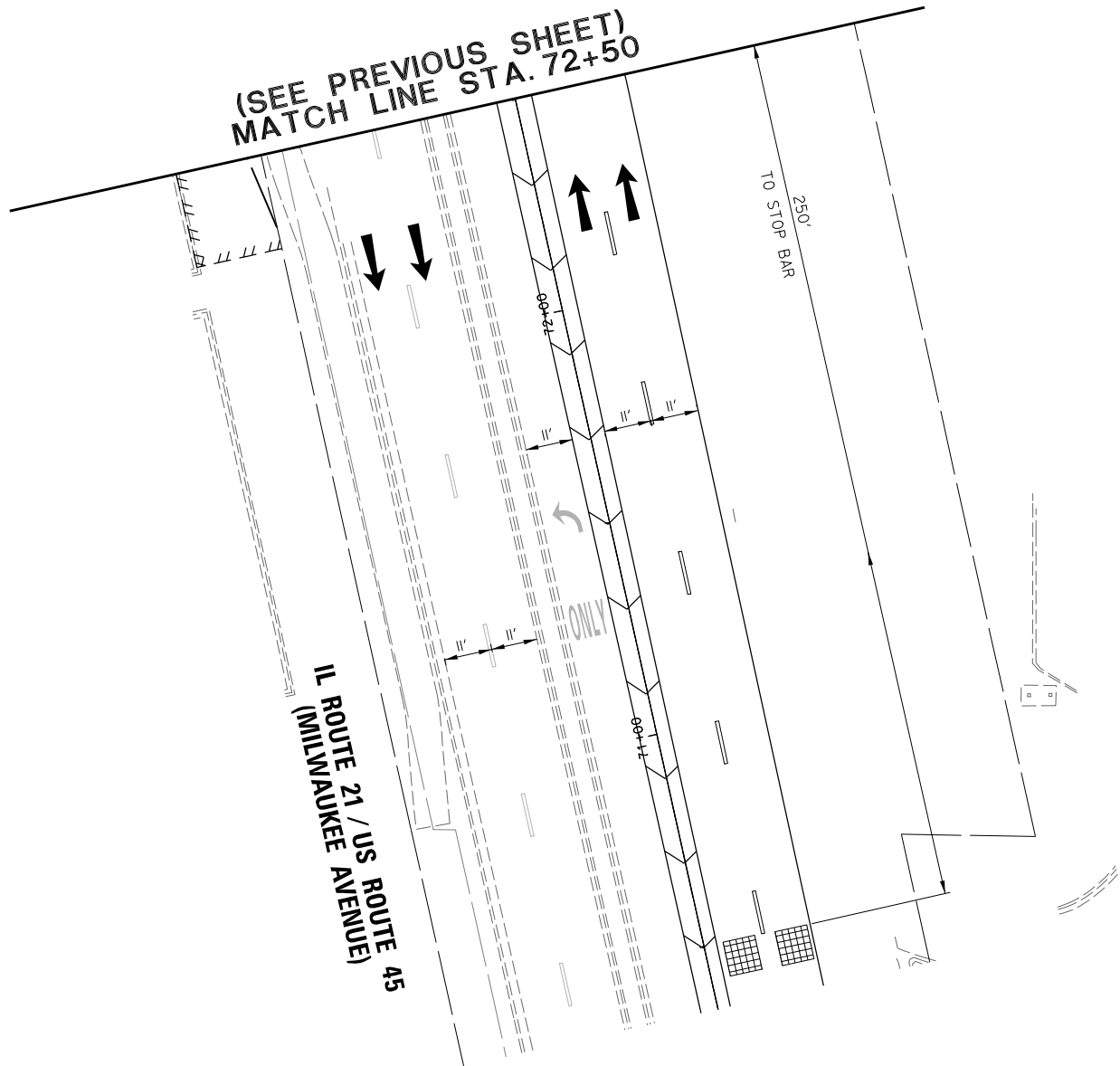
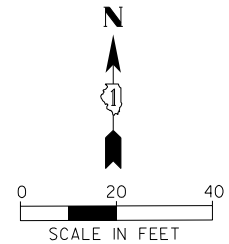
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default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC			
YEAR 1 – STAGE 1 (SHEET 1 OF 2)			
DEERFIELD PKWY / DEERFIELD RD AT IL 21 / US 45 (MILWAUKEE AVE)			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	440
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H



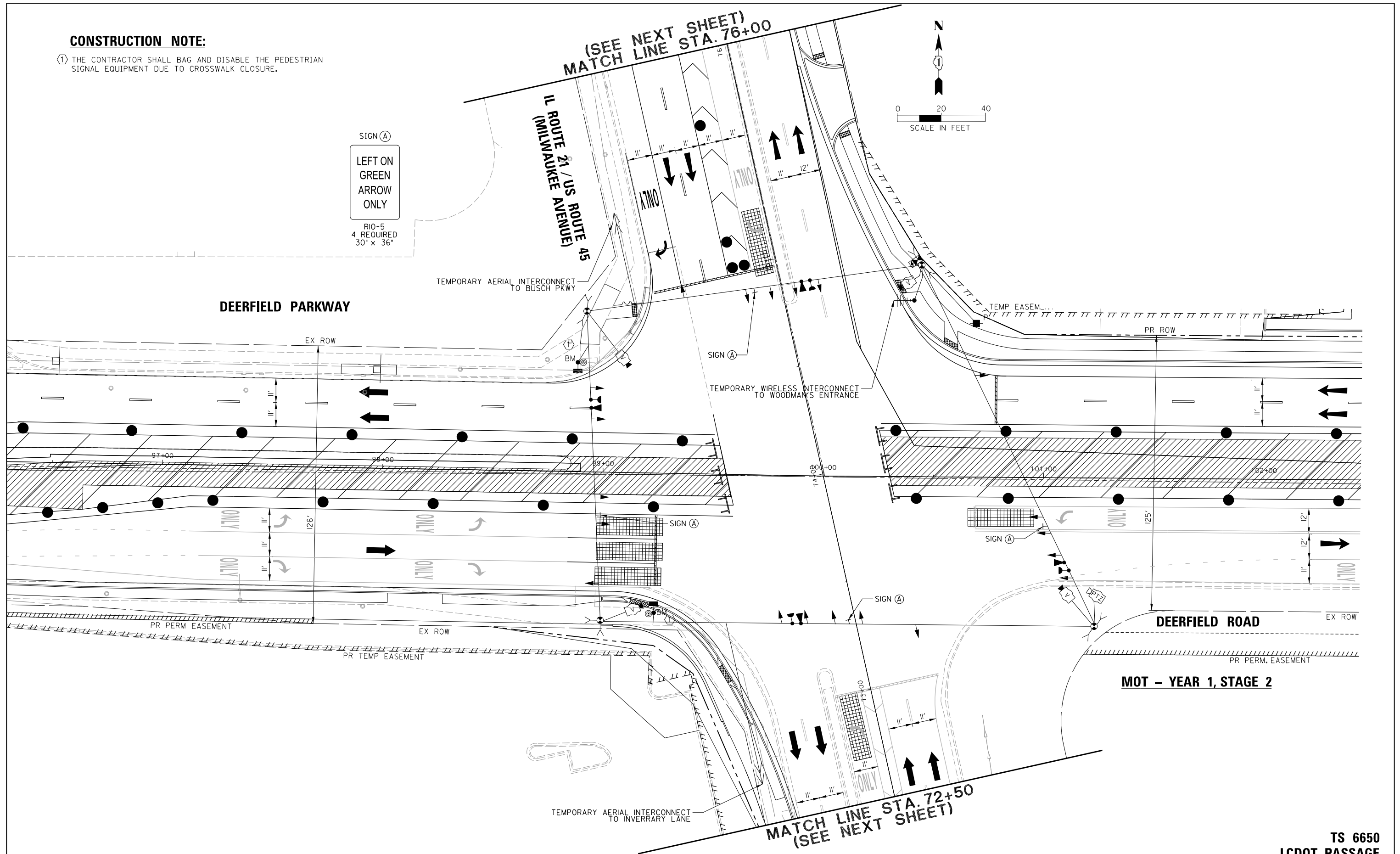
MOT YEAR 1, STAGE 1

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME = N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	USER NAME = omissick		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 1 - STAGE 1 (SHEET 2 OF 2) DEERFIELD PKWY /DEERFIELD RD AT IL 21/US 45 (MILWAUKEE AVE)				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS4_MOT1.190304.0003A.dgn		DRAWN -	REVISED -						I257	I5-00038-07-WR	LAKE	1090	441
	PLOT SCALE = 28'		CHECKED -	REVISED -						CONTRACT NO. 6IK62				
	PLOT DATE = 8/7/2026		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
default						SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.			

CONSTRUCTION NOTE:

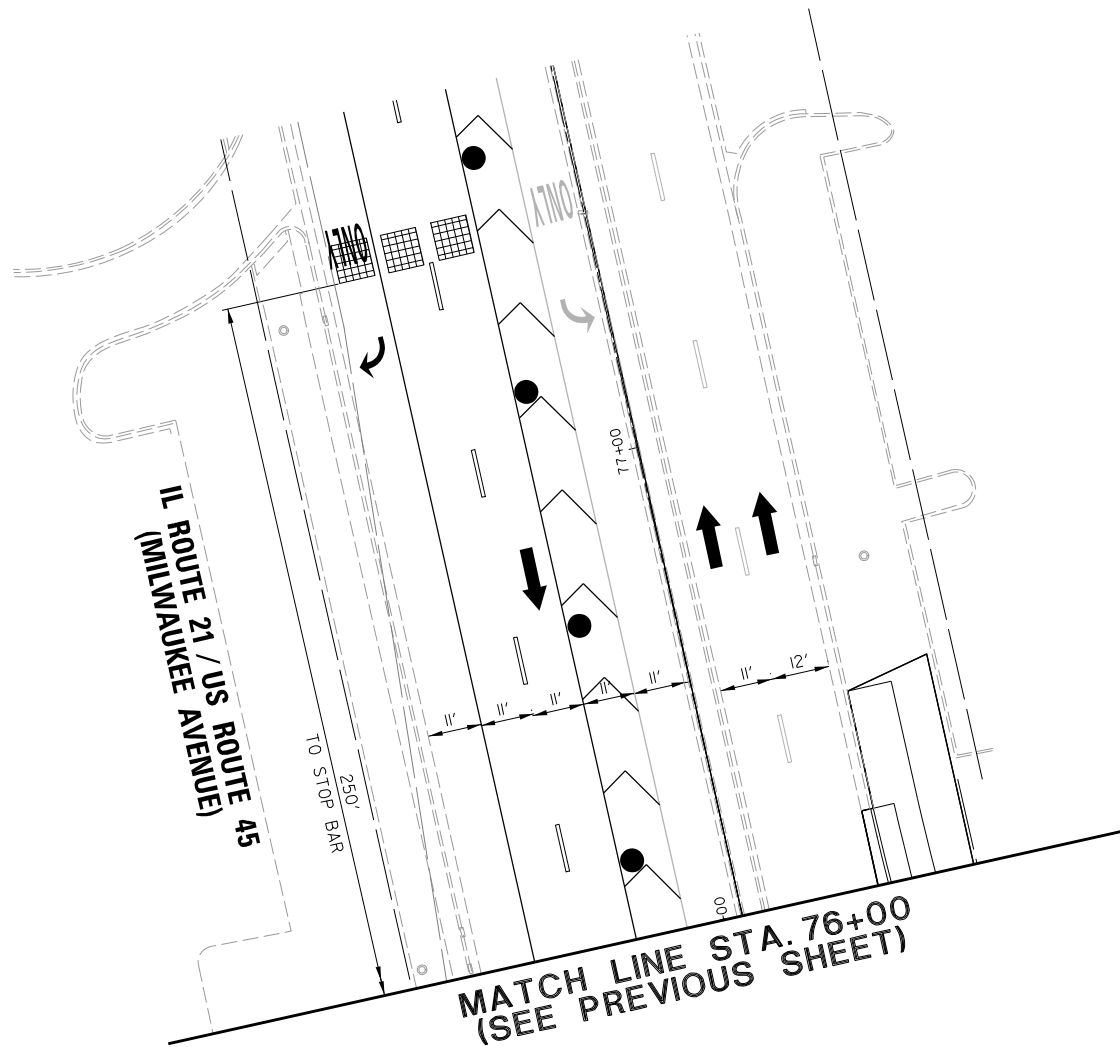
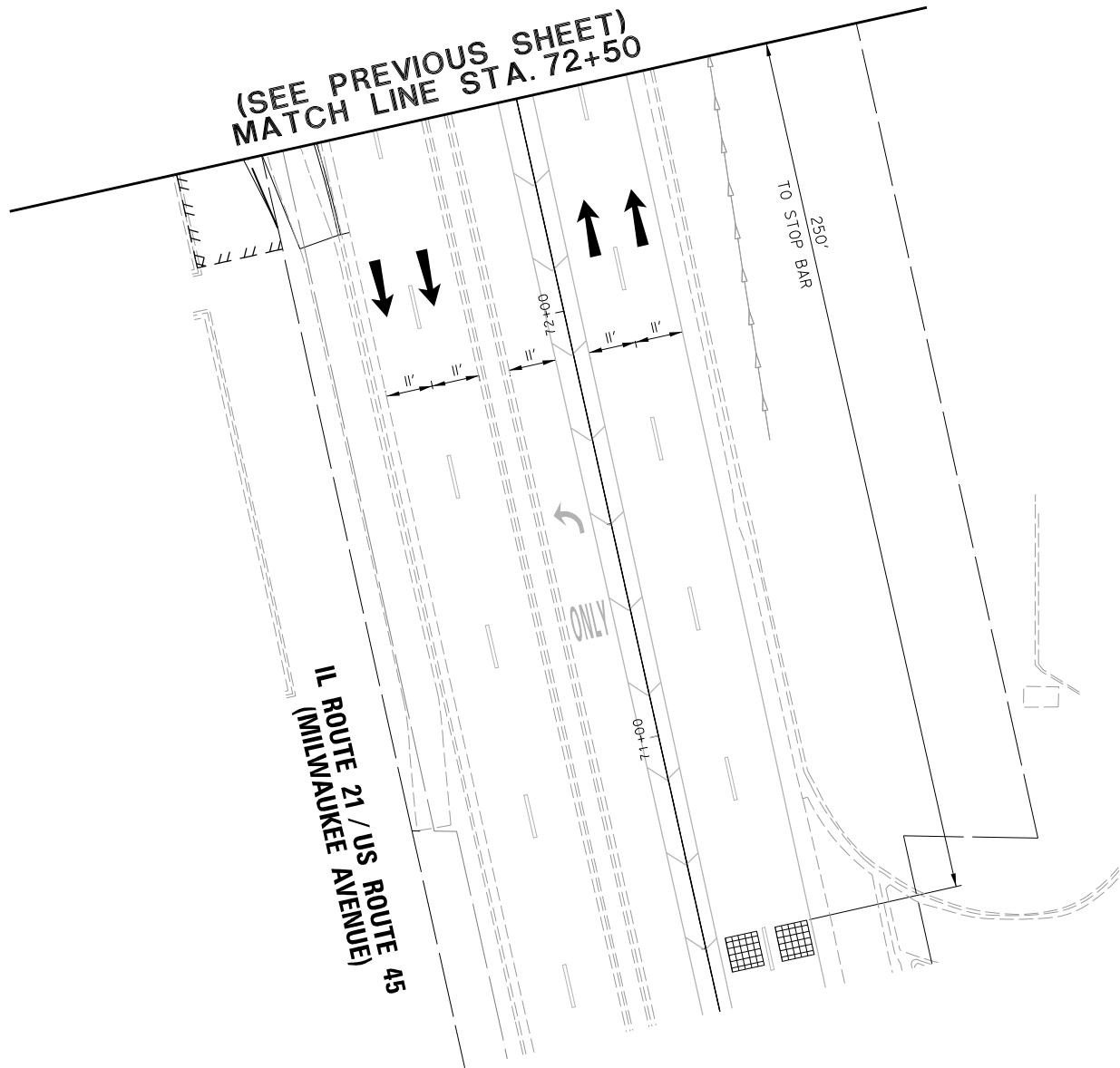
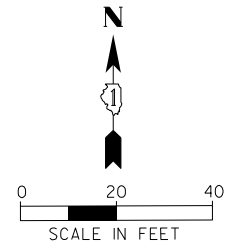
- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO CROSSWALK CLOSURE.



MOT – YEAR 1, STAGE 2

**TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H**

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 1 – STAGE 2 (SHEET 1 OF 2) DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	TS5_MOT2-1.190304.0003A.dgn	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.	1257	15-00038-07-WR	LAKE	1090	442
default	PLOT SCALE = 20'	CHECKED -	REVISED -							CONTRACT NO. 6IK62					
	PLOT DATE = 8/7/2026	DATE -	REVISED -							ILLINOIS FED. AID PROJECT					



MOT – YEAR 1, STAGE 2

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
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	PLOT DATE = 8/7/2026	DATE -	REVISED -

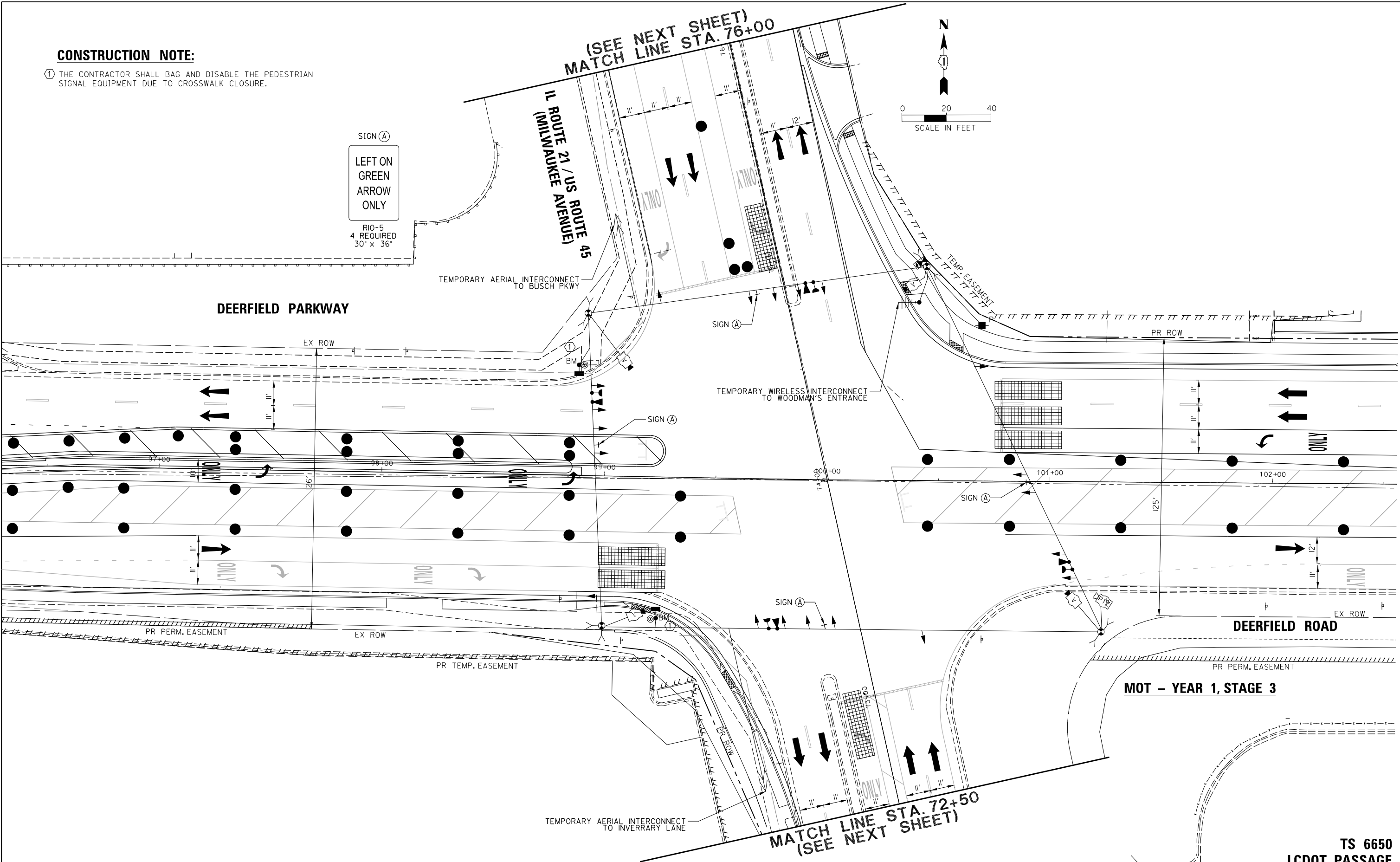
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC			
YEAR 1 – STAGE 2 (SHEET 2 OF 2)			
DEERFIELD PKWY /DEERFIELD RD AT IL 21/US 45 (MILWAUKEE AVE)			
SCALE: 1" = 20'	SHEET	OF	SHEETS
STA.		TO STA.	

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	443
				CONTRACT NO. 6IK62
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTE:

① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO CROSSWALK CLOSURE.



MOT – YEAR 1, STAGE 3

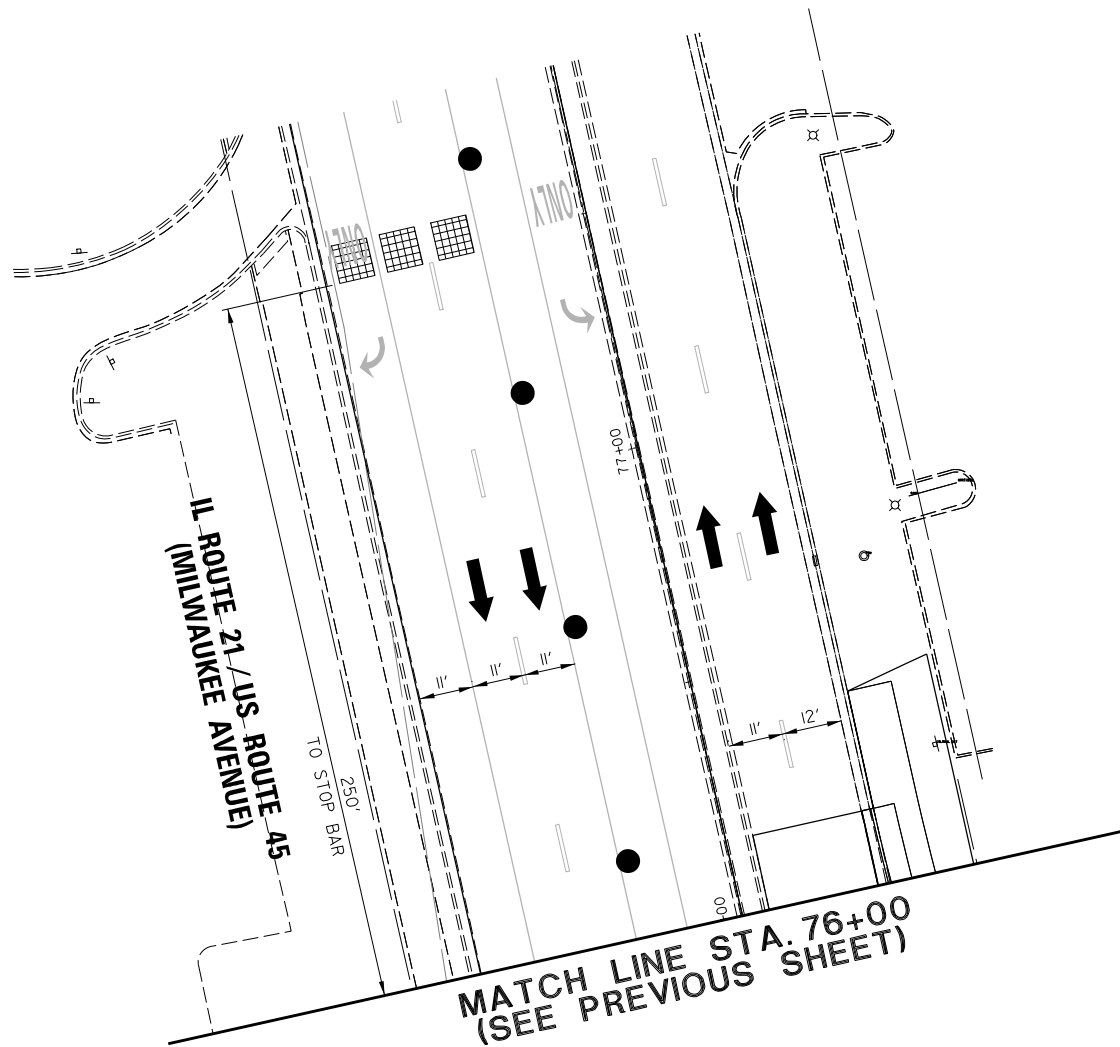
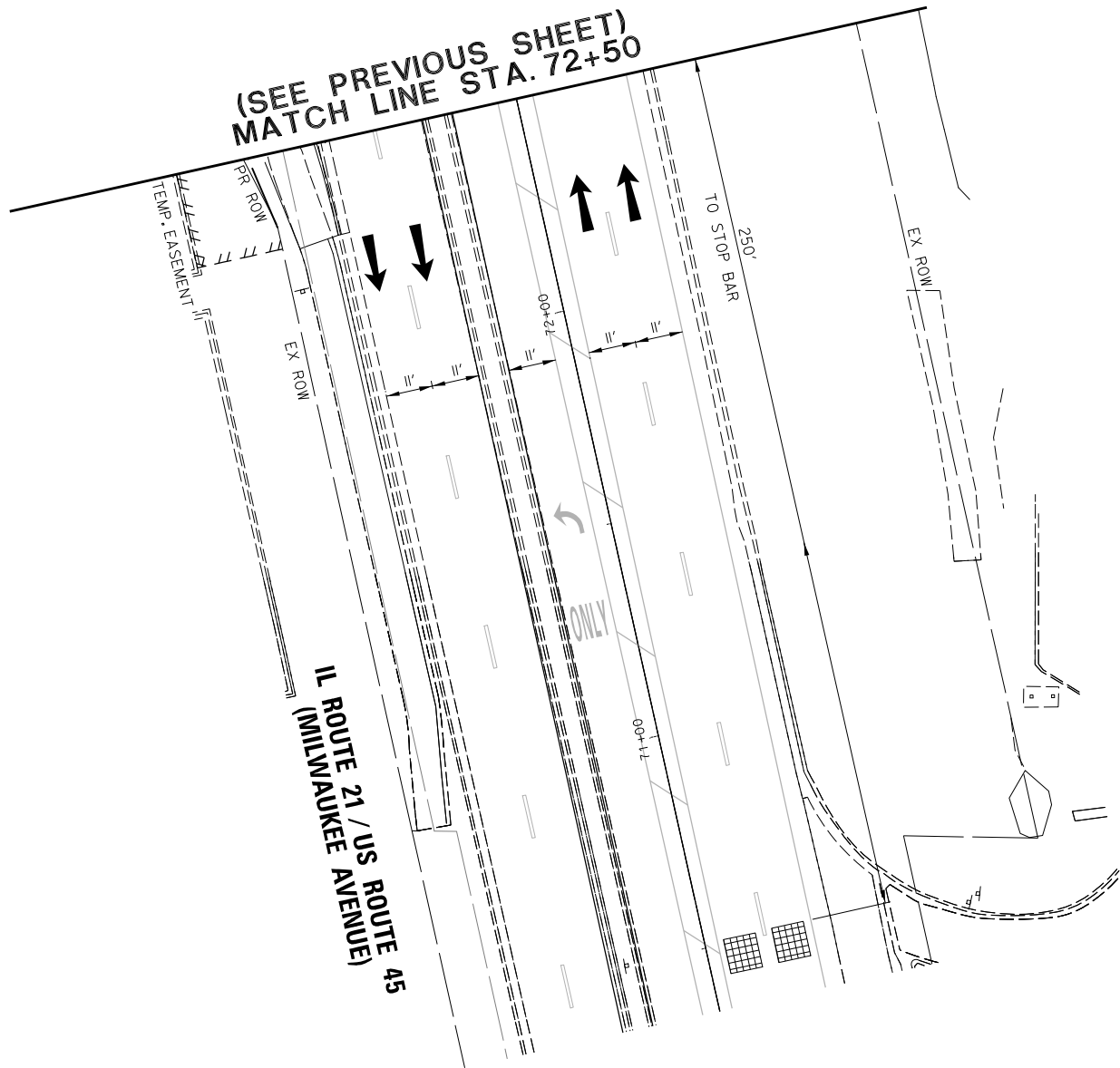
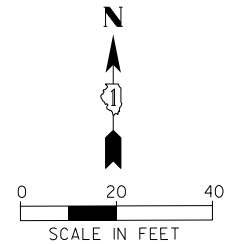
**TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H**

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
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default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC YEAR 1 – STAGE 3 (SHEET 1 OF 2) DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	444
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				



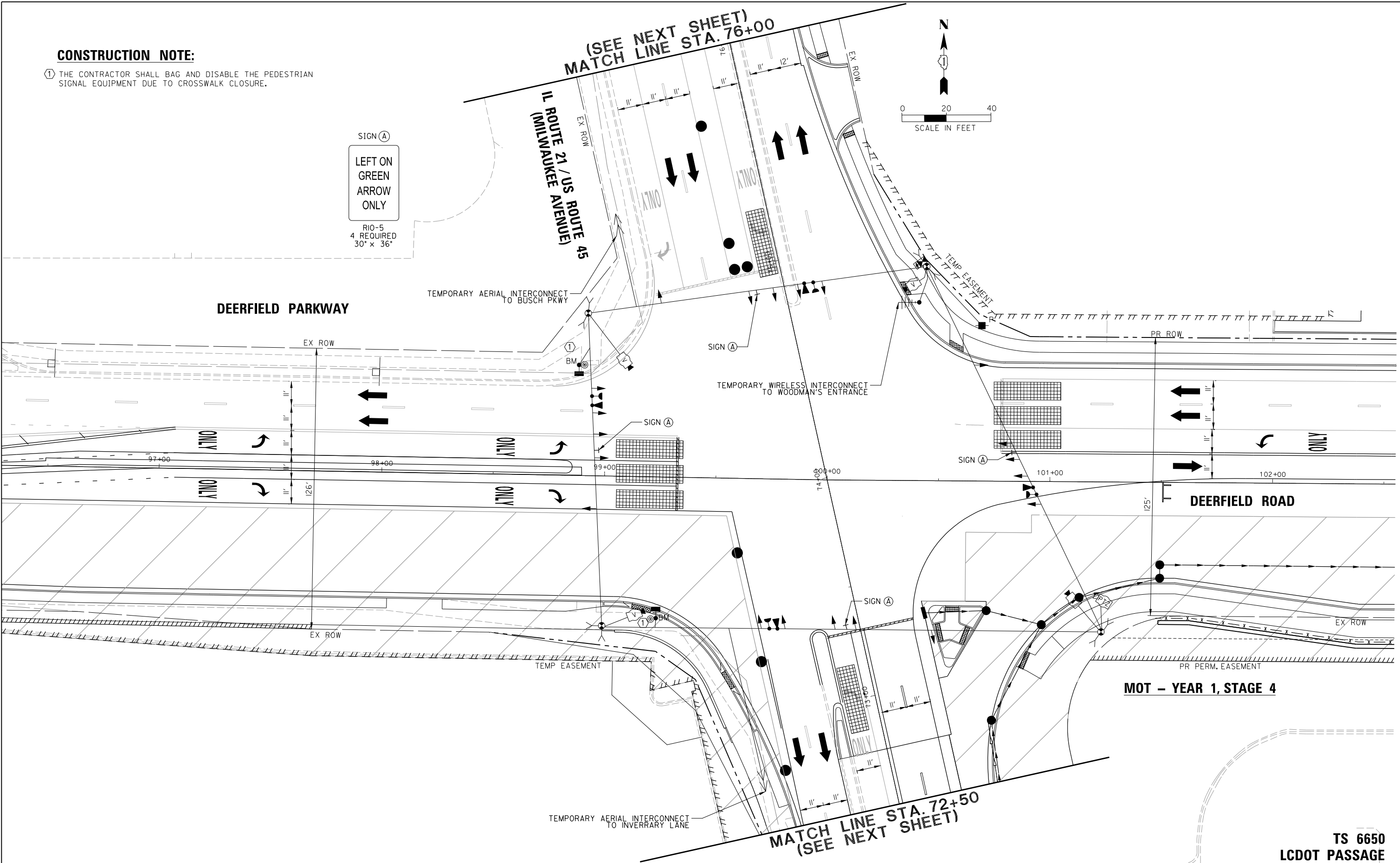
MOT – YEAR 1, STAGE 3

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

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		DRAWN -	REVISED -					1257	15-00038-07-WR	LAKE	1090	445
		PLOT SCALE = 28'	CHECKED -					CONTRACT NO. 6IK62				
		PLOT DATE = 8/7/2026	DATE -					ILLINOIS FED. AID PROJECT				
default					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		

CONSTRUCTION NOTE:

① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO CROSSWALK CLOSURE.



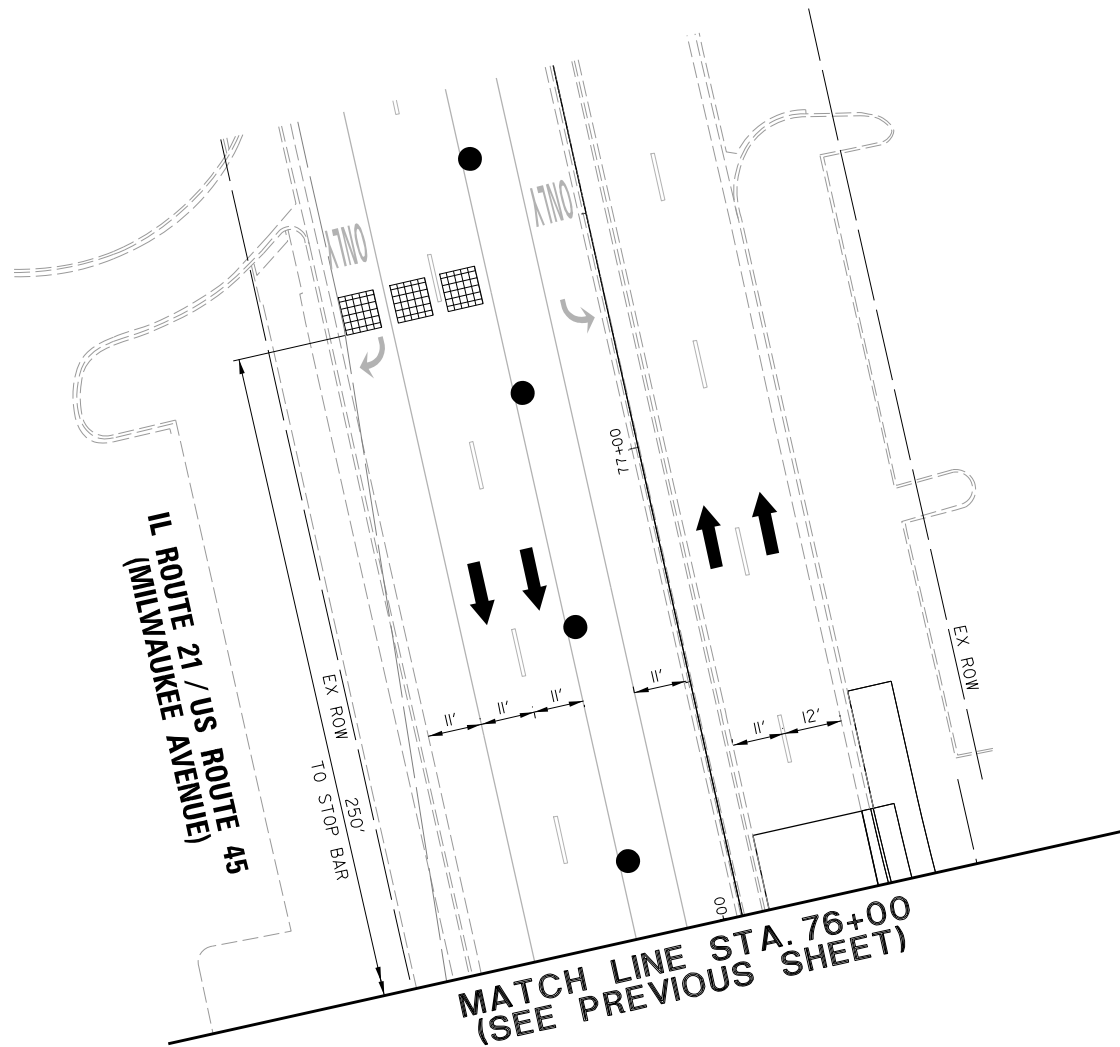
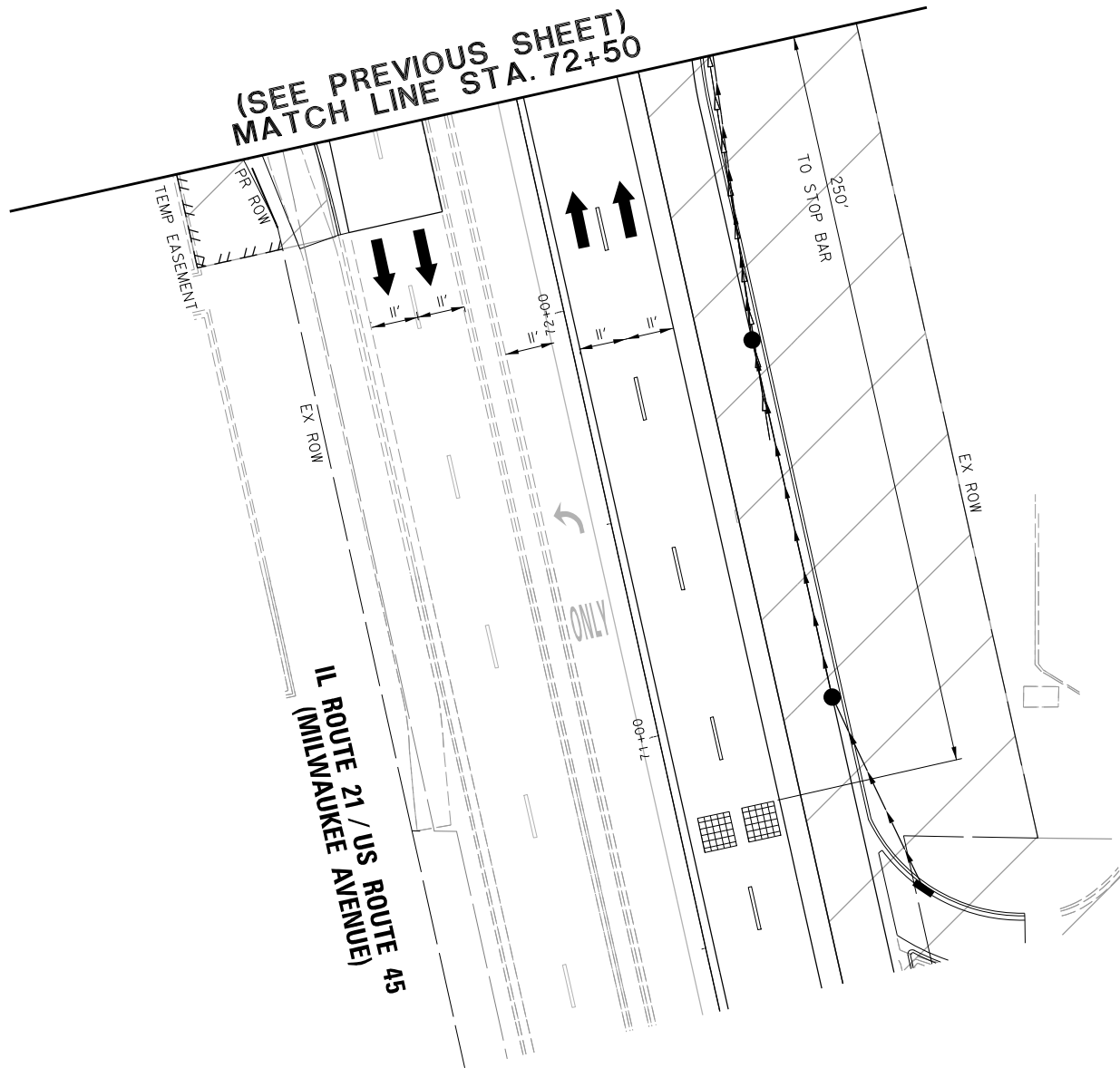
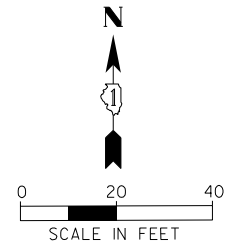
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default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC YEAR 1 - STAGE 4 (SHEET 1 OF 2) DEERFIELD PKWY / DEERFIELD RD AT IL 21 / US 45 (MILWAUKEE AVE)			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	446
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

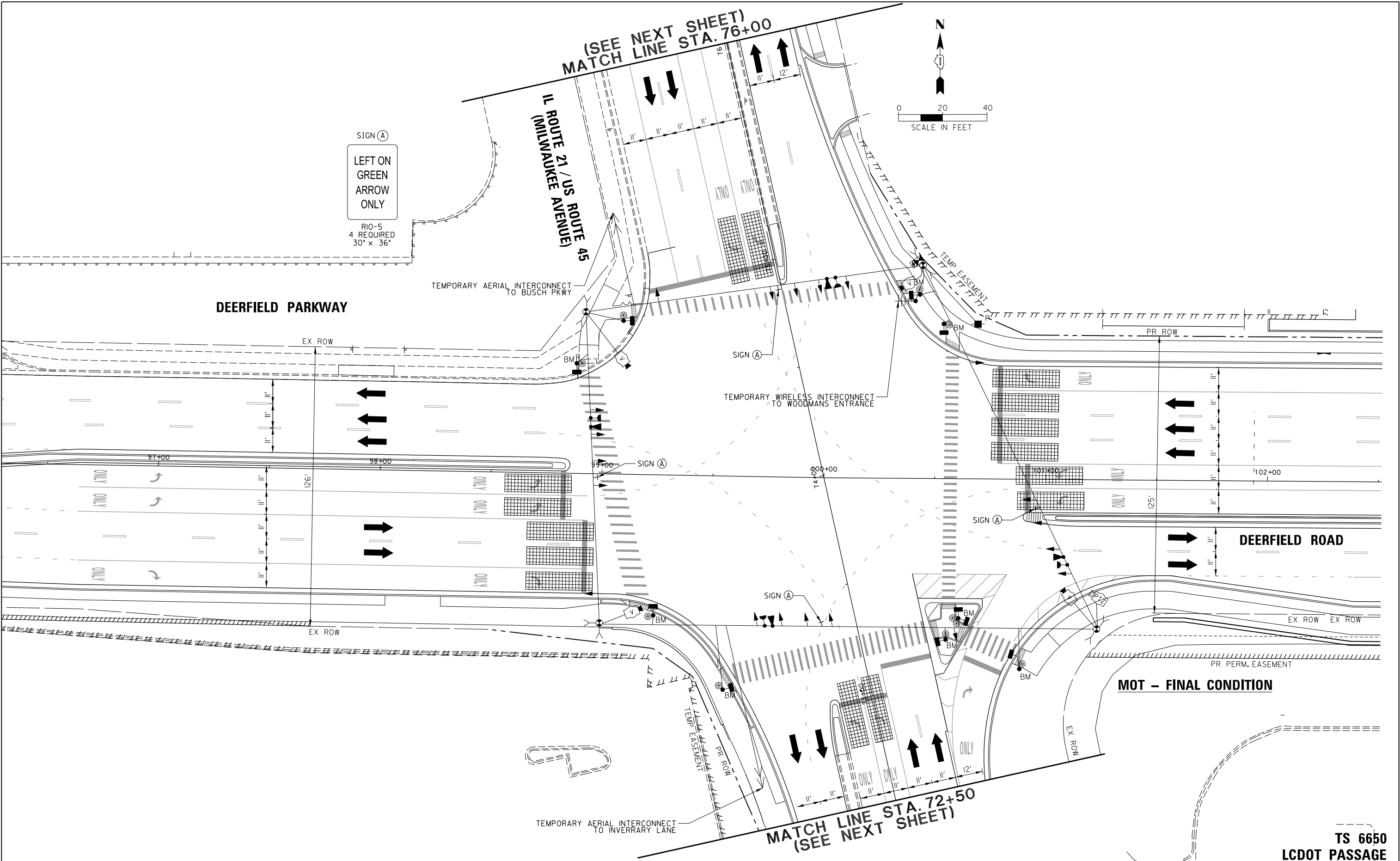
TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H



MOT – YEAR 1, STAGE 4

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME = N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	USER NAME = omissick TS10_MOT4-2.190304.0003A.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 1 – STAGE 4 (SHEET 2 OF 2) DEERFIELD PKWY /DEERFIELD RD AT IL 21/US 45 (MILWAUKEE AVE)				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						I257	I5-00038-07-WR	LAKE	1090	447
		PLOT SCALE = 28'	CHECKED -						CONTRACT NO. 6IK62				
		PLOT DATE = 8/7/2026	DATE -						ILLINOIS FED. AID PROJECT				
default					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.			



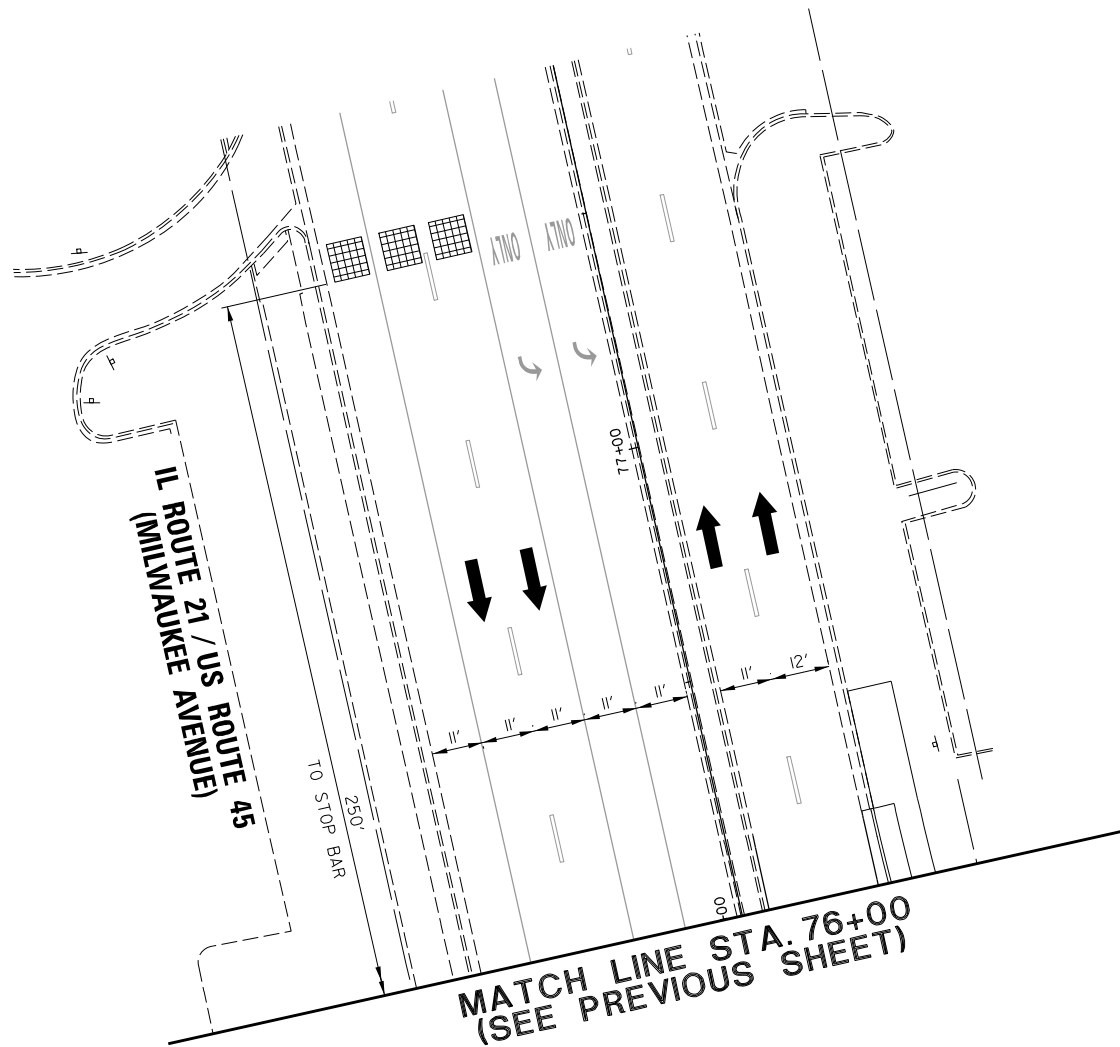
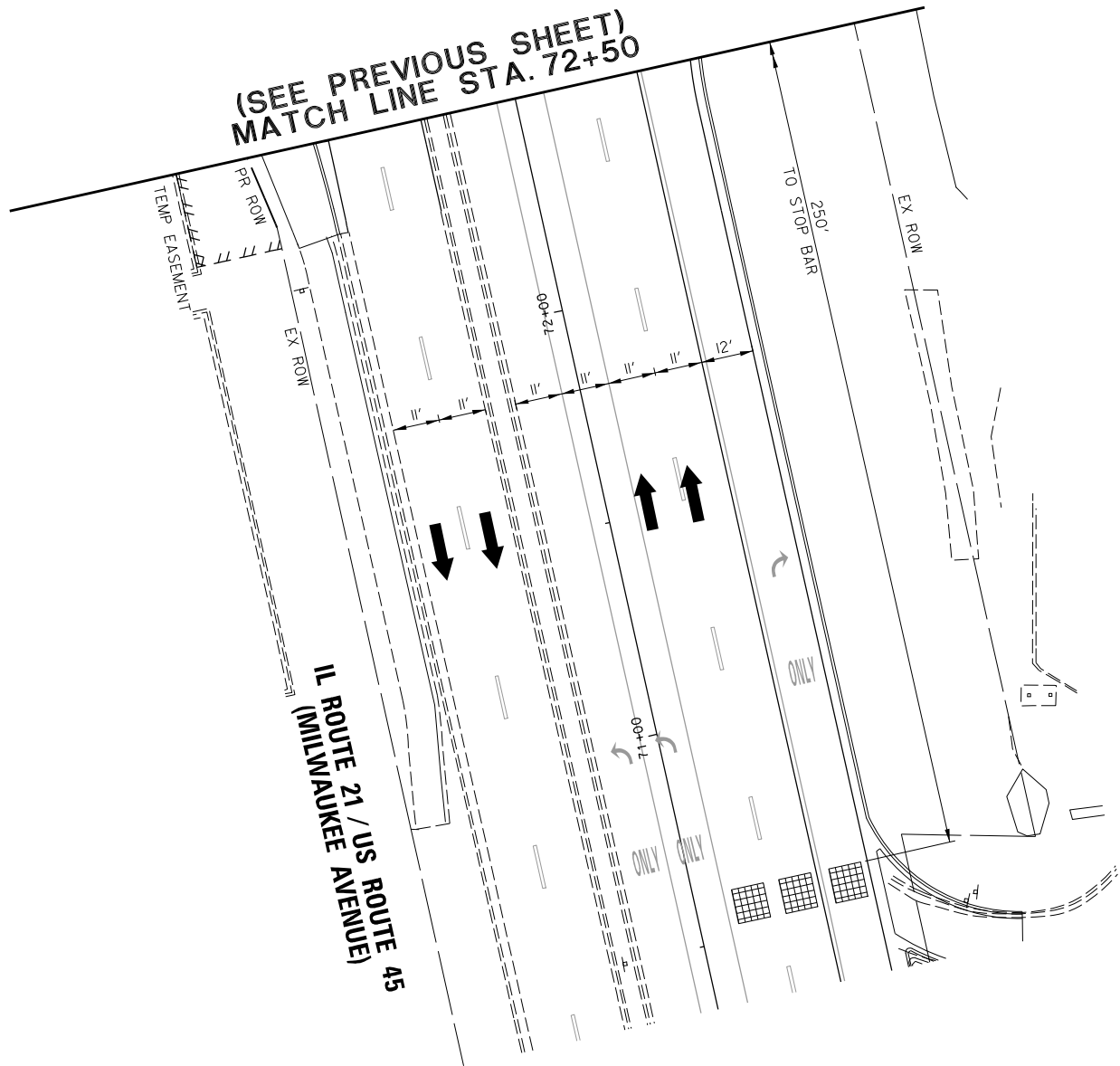
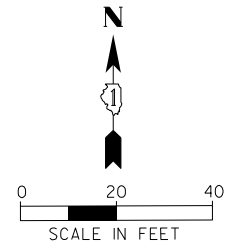
FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -
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default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC FINAL CONDITION DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)			
SCALE: 1" = 20'	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	448
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

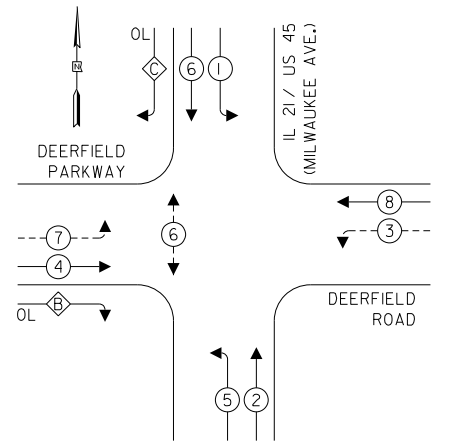


MOT – FINAL CONDITION

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME = N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	USER NAME = omisick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC FINAL CONDITION DEERFIELD PKWY /DEERFIELD RD AT IL 21/US 45 (MILWAUKEE AVE)				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS12.MOT_FINAL_190304.0003A.dgn	DRAWN -	REVISED -						1257	15-00038-07-WR	LAKE	1090	449
	PLOT SCALE = 28'	CHECKED -	REVISED -		SCALE: 1" = 20'				CONTRACT NO. 61K62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

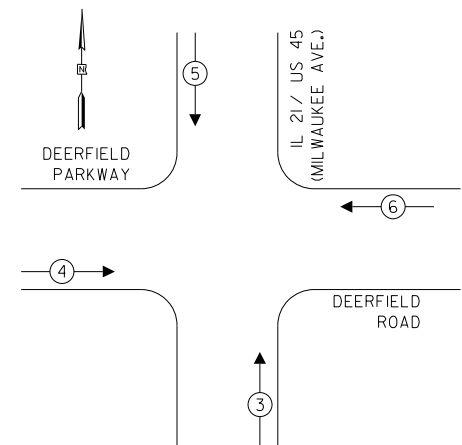
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←(*)→ PROTECTED PHASE
- ←-*(*)-→ PROTECTED/PERMITTED PHASE
- ←-*(*)→ PEDESTRIAN PHASE
- ←-*(*)→ OL OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
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	4	20
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			546
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	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1226

ENERGY COSTS TO:

LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMED
ACCOUNT NUMBER: ---

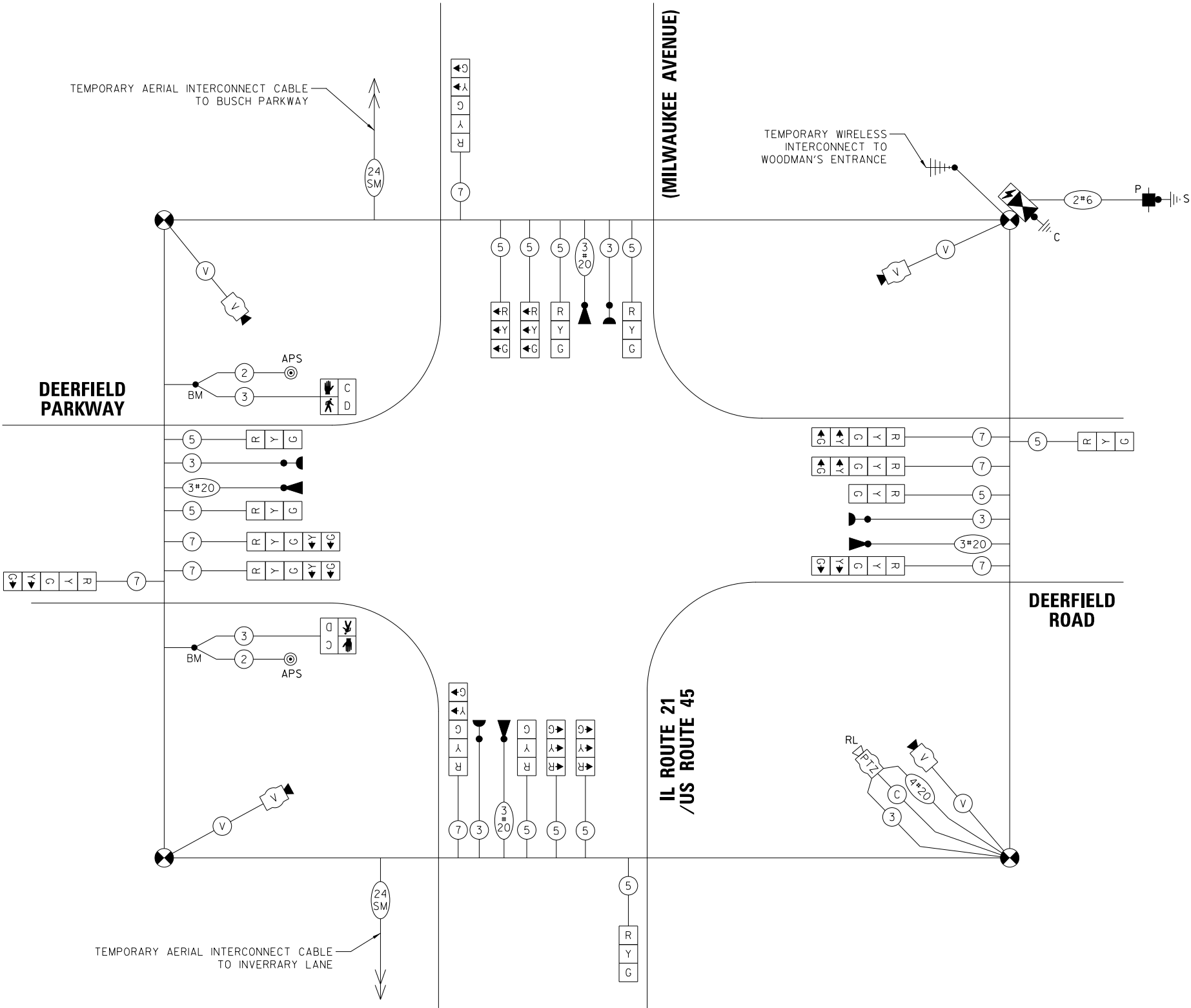
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PLOT SCALE = 20'	
default	PLOT DATE = 8/7/2026

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TEMPORARY CABLE PLAN DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

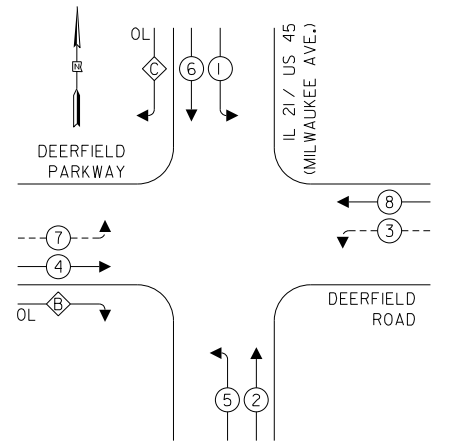
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00038-07-WR	LAKE	1090	450
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				



MOT – EXISTING CONDITION
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

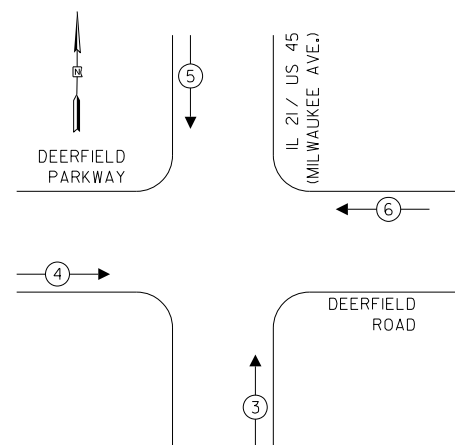
TEMPORARY CONTROLLER SEQUENCE



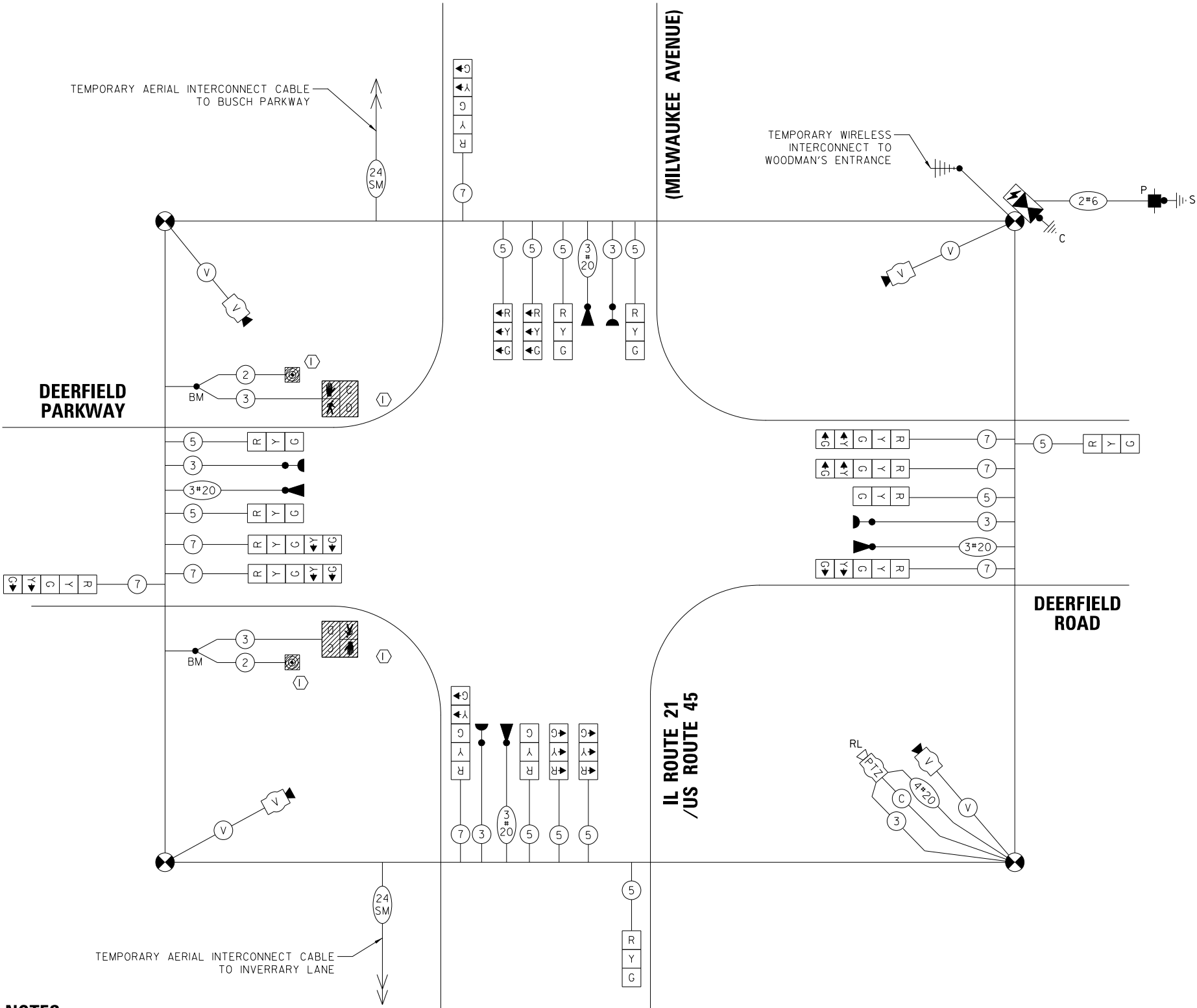
LEGEND:

- Protected Phase
- Protected/Permitted Phase
- Pedestrian Phase
- Overlap

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	20	-
	VIDEO	4	20
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			516
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	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1196
ENERGY COSTS TO: LAKE COUNTY DIVISION OF TRANSPORTATION 600 W Winchester Road Libertyville, IL 60048			
ENERGY SUPPLY: CONTACT: XXX PHONE: XXX COMPANY: COMED ACCOUNT NUMBER: ---			
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	TS14.TCB1.190304.0003A.dgn	DRAWN -	REVISED -
default	PLOT SCALE = 20'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -



CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO THE CROSSWALK CLOSURE.

LEGEND:

- = BAGGED AND DISABLED

MOT – STAGE 1
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

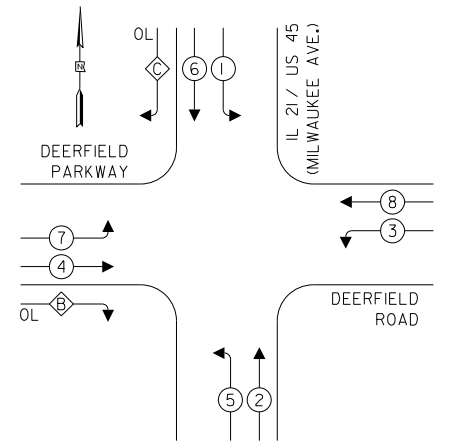
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TEMPORARY CABLE PLAN
DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	451
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

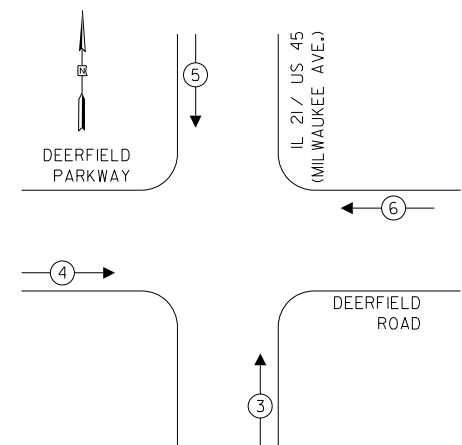
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- Protected Phase
- Protected/Permitted Phase
- Pedestrian Phase
- Overlap

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



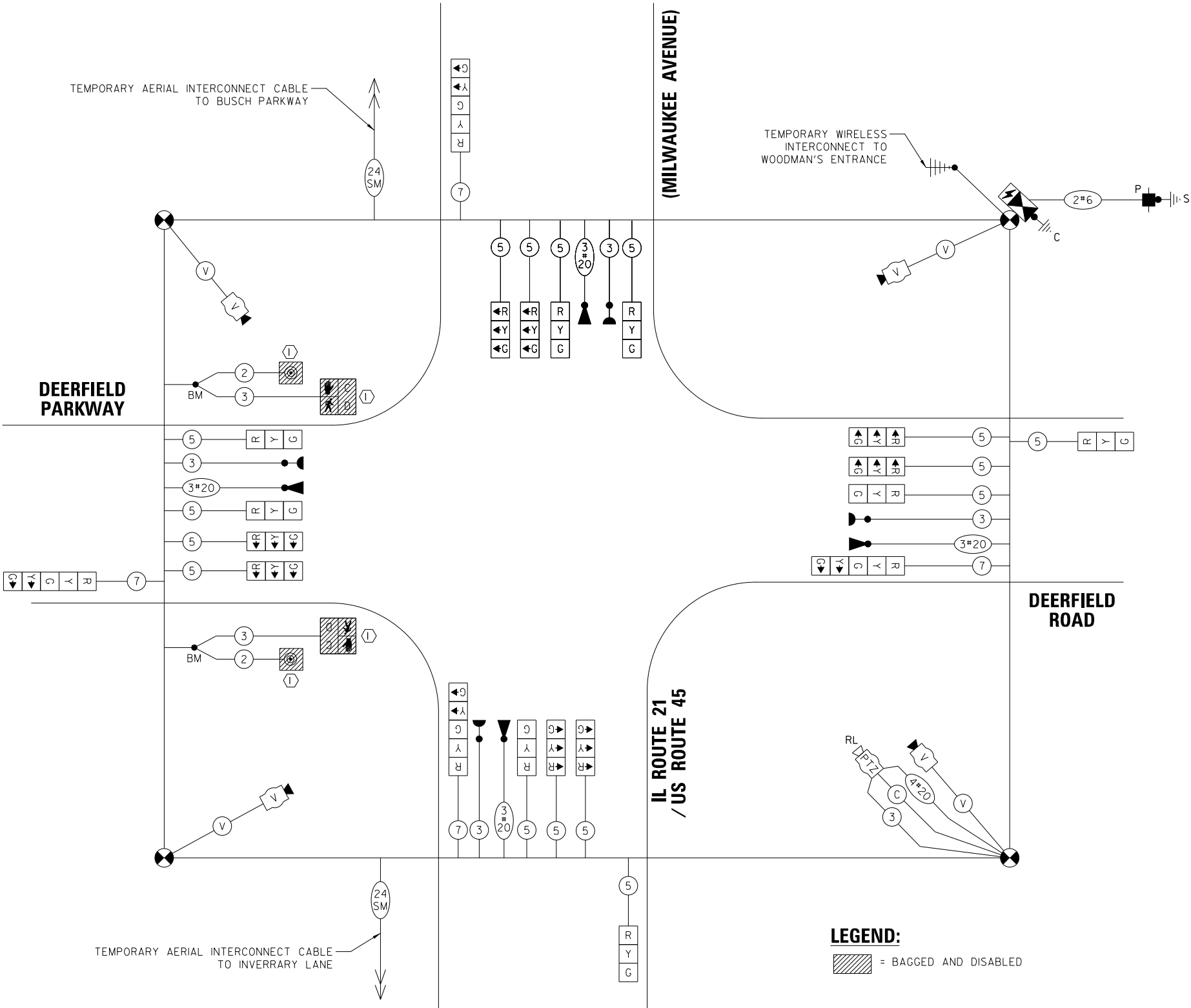
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	20	-
	VIDEO	4	20
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			508
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	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1188

ENERGY COSTS TO:
LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048
ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMED
ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO THE CROSSWALK CLOSURE.



MOT – STAGE 2
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME =	USER NAME = omissick
N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	TS15_TCB2.190304.0003A.dgn
PLOT SCALE = 28'	
PLOT DATE = 8/7/2026	

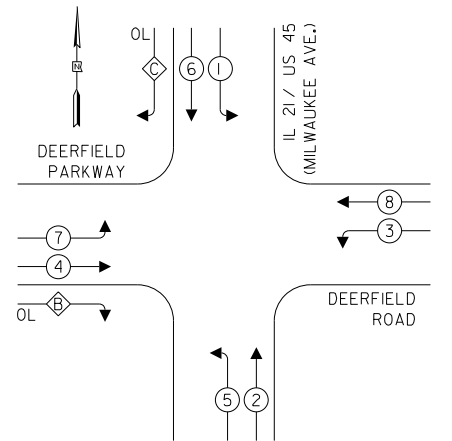
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TEMPORARY CABLE PLAN DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	452
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

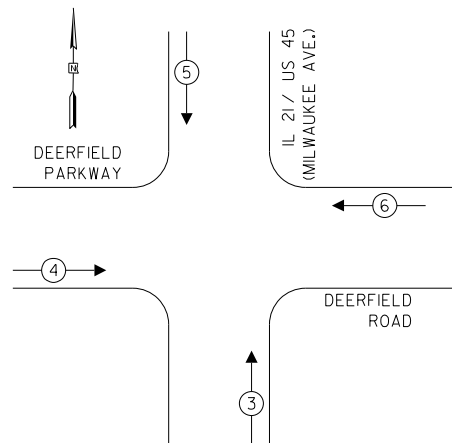
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←(*)→ PROTECTED PHASE
- ←-*(*)-→ PROTECTED/PERMITTED PHASE
- ←-*(*)→ PEDESTRIAN PHASE
- ←(*) OL OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

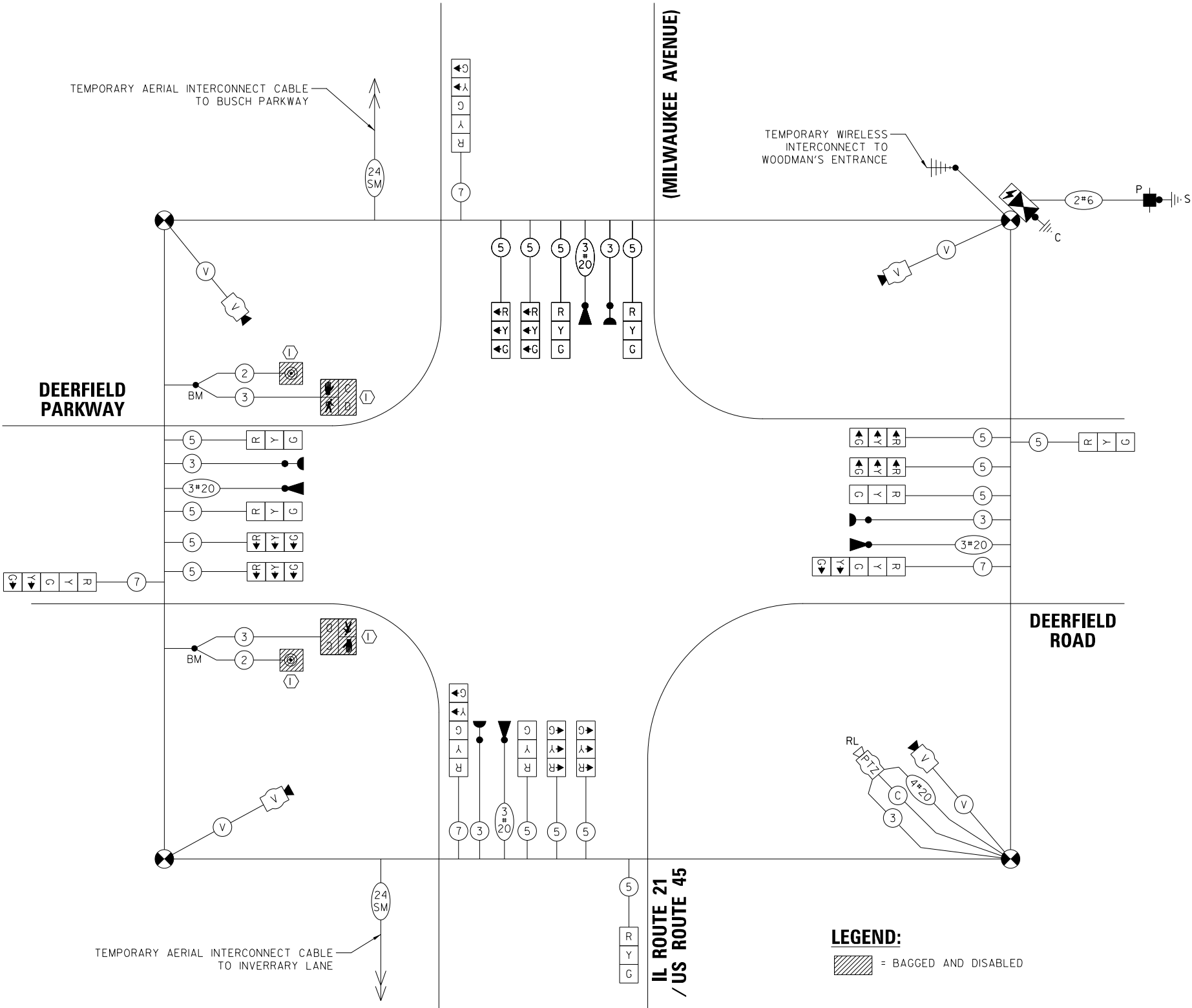
TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION			
RADAR	-	20	-
VIDEO	4	20	80
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			508
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	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1188

ENERGY COSTS TO:
LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMED
ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO THE CROSSWALK CLOSURE.



LEGEND:

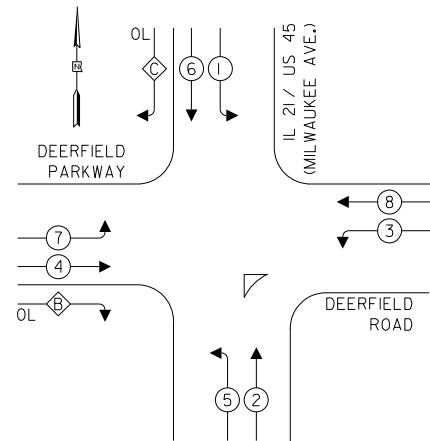
- [Hatched Box] = BAGGED AND DISABLED

MOT – STAGE 3
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME =	USER NAME = amussick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TEMPORARY CABLE PLAN DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)					F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	TS16_TCB3.190304.0003A.dgn	DRAWN -	REVISED -							1257	15-00038-07-WR	LAKE	1090	453
default	PLOT SCALE = 20'	CHECKED -	REVISED -							CONTRACT NO. 61K62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -		SCALE: N.T.S.	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

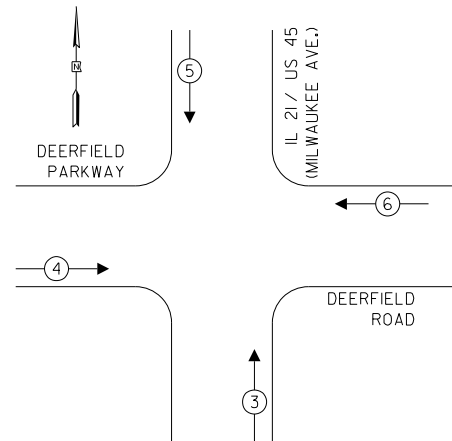
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- Protected Phase
- Protected/Permitted Phase
- Pedestrian Phase
- Overlap

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



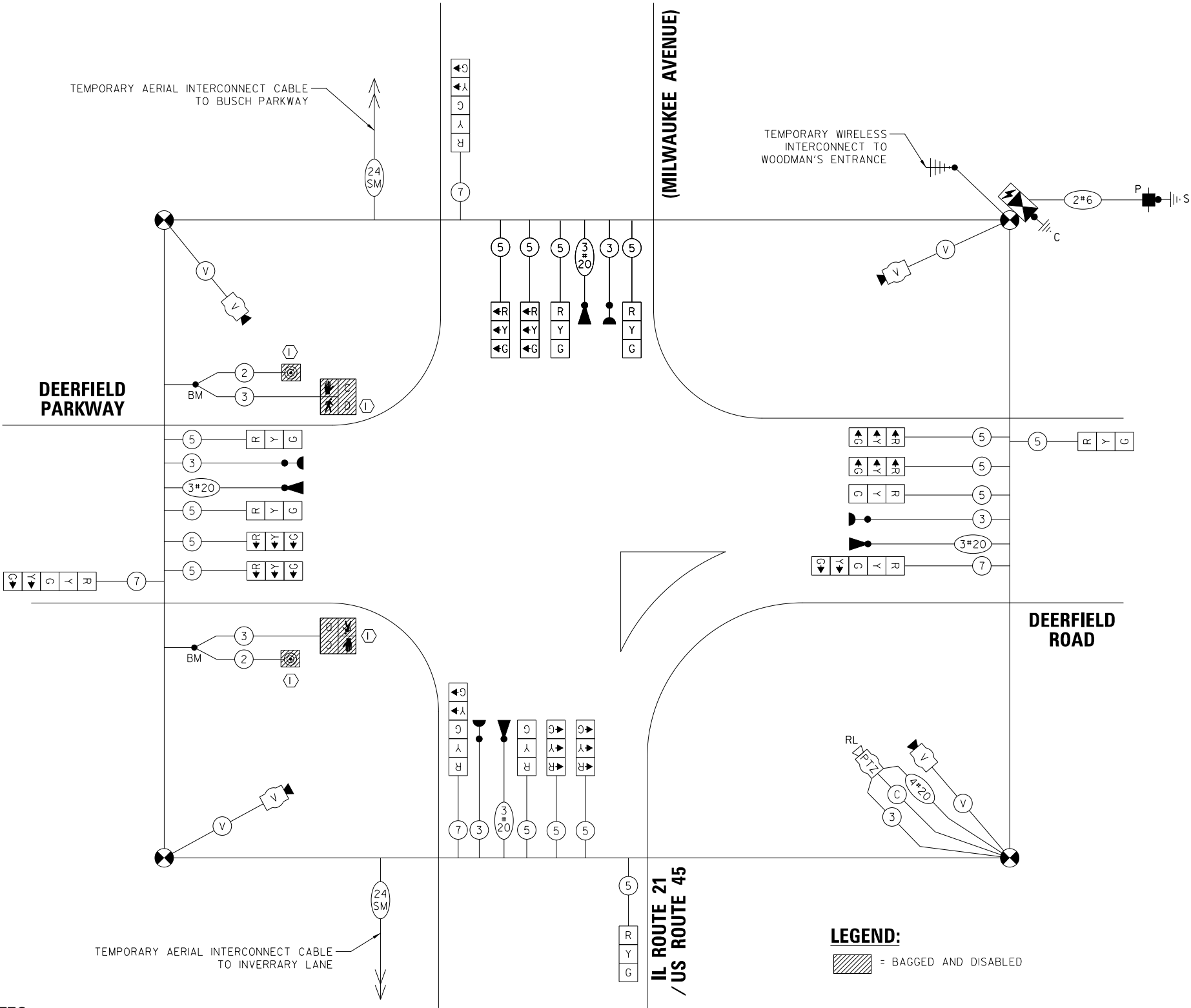
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	20	-
	VIDEO	4	20
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			508
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	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1188

ENERGY COSTS TO:
LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048
ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMED
ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

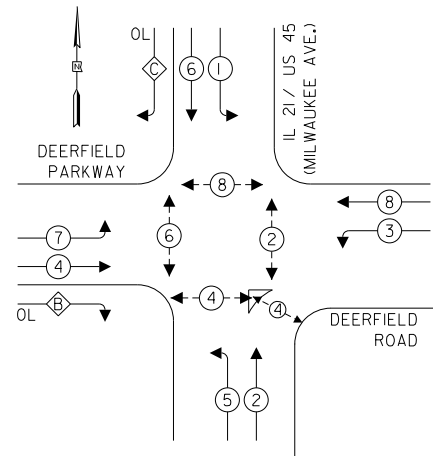
- THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT DUE TO THE CROSSWALK CLOSURE.



MOT – STAGE 4
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

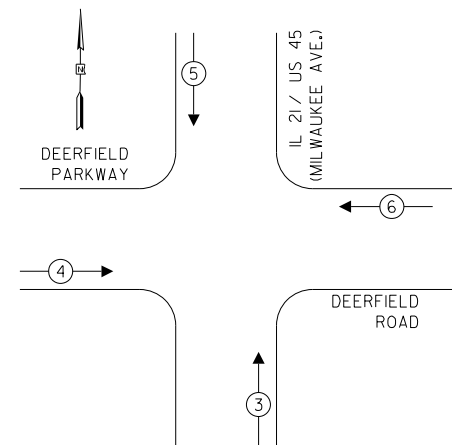
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	20	-
	VIDEO	4	20
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			658
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	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1338

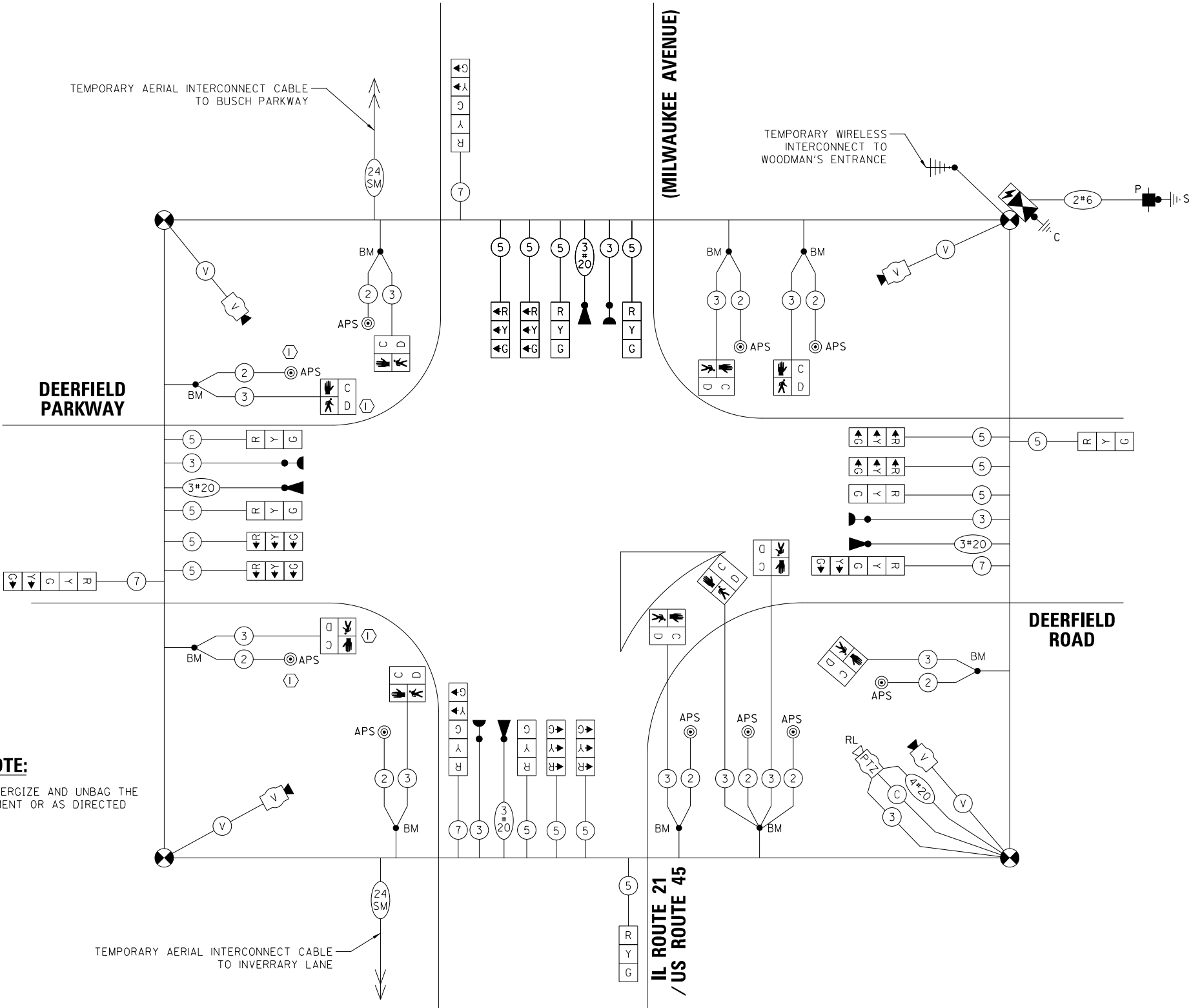
ENERGY COSTS TO:

LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMED
ACCOUNT NUMBER: ---

CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL ENERGIZE AND UNBAG THE PEDESTRIAN SIGNAL EQUIPMENT OR AS DIRECTED BY THE ENGINEER.



MOT – FINAL CONDITION

TEMPORARY CABLE PLAN

(NOT TO SCALE)

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME =
N:\LCDOT\190304.0003A\Traffic\MILWAUKEE\TS18_TCB\FINAL\190304.0003A.dgn
default

USER NAME = omissick
PLOT SCALE = 28'
PLOT DATE = 8/7/2026

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

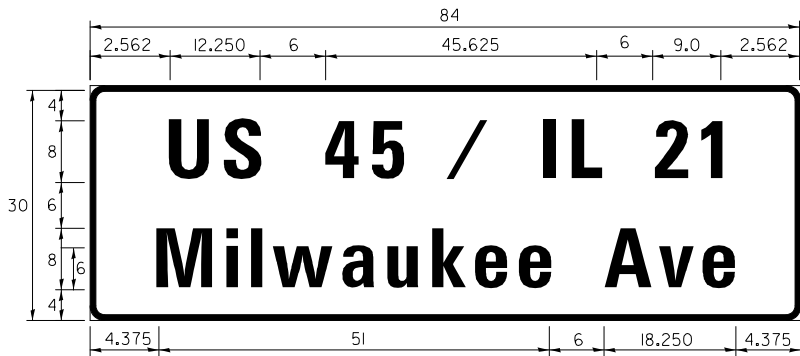
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TEMPORARY CABLE PLAN
DEERFIELD PKWY / DEERFIELD RD AT IL 21 / US 45 (MILWAUKEE AVE)
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

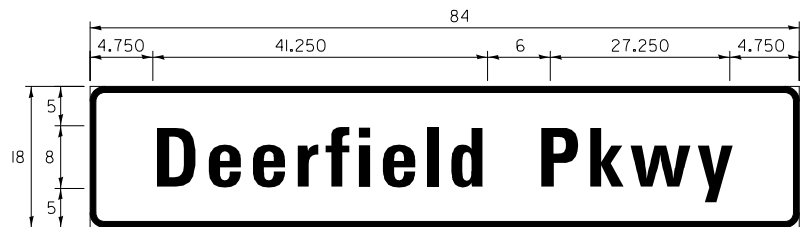
F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
1257 I5-00038-07-WR LAKE 1090 455
CONTRACT NO. 6IK62
ILLINOIS FED. AID PROJECT

SIGN PANEL – TYPE 1 OR TYPE 2

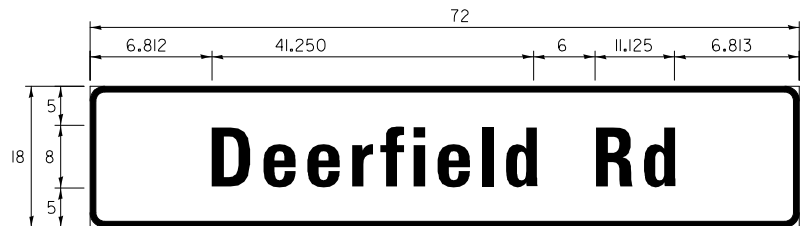
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	17.5	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	10.5	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	1

NOTES: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION
PLEASE SEE DISTRICT ONE POLE MOUNTED STREET NAME
SIGNS DETAIL.

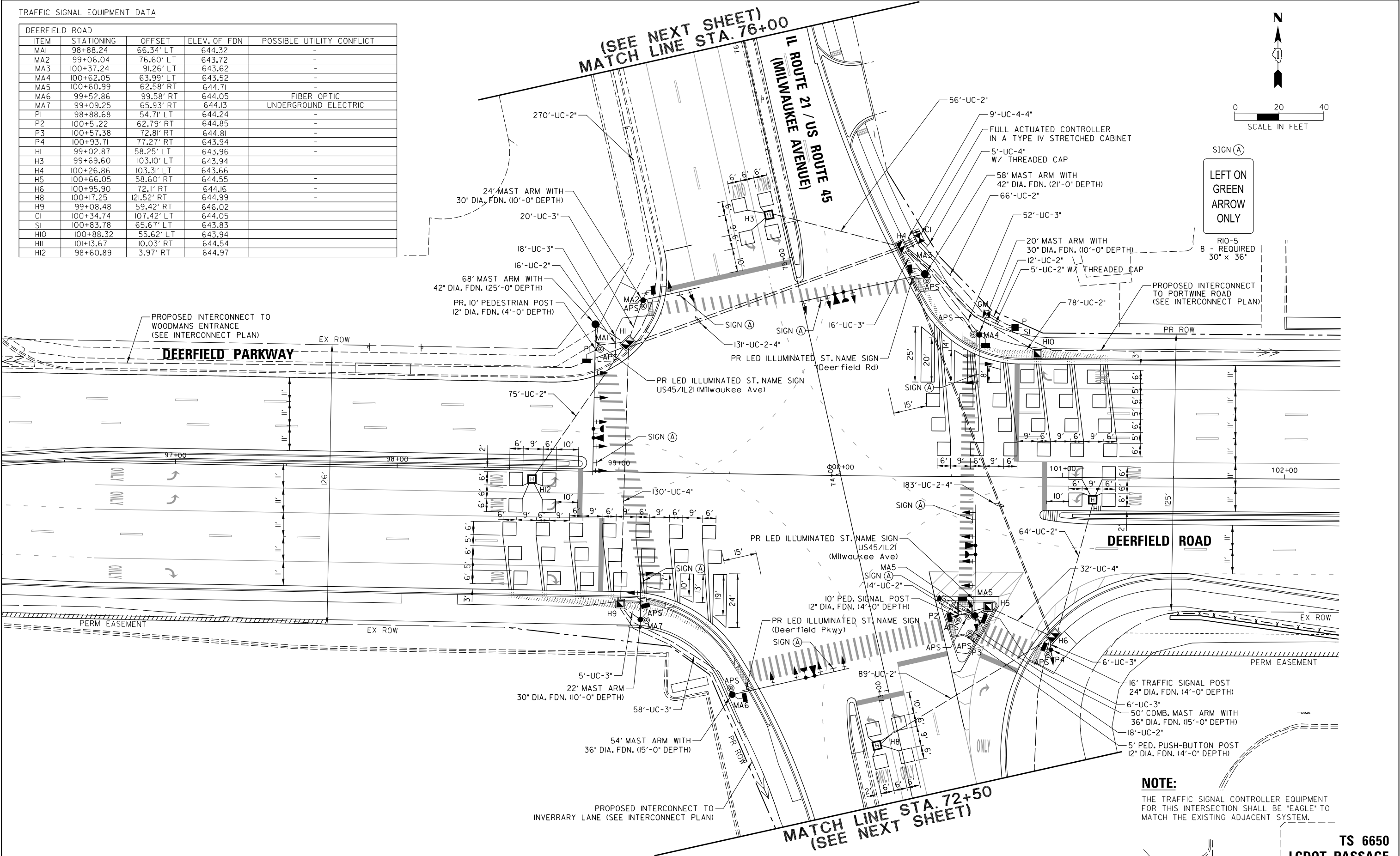
COST OF FURNISHING AND INSTALLING THE TEMPORARY STREET
NAME SIGNS SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY
TRAFFIC SIGNAL INSTALLATION.

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY POLE MOUNTED STREET NAME SIGN DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304\0003A\Traffic\MILWAUKEE	TS19_Tmp STN_190304\0003A.dgn	DRAWN -	REVISED -			I257	I5-00038-07-WR	LAKE	1090	456
default	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 6IK62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -			SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD				
ITEM	STATIONING	OFFSET	ELEV. OF FDN	POSSIBLE UTILITY CONFLICT
MA1	98+88.24	66.34' LT	644.32	-
MA2	99+06.04	76.60' LT	643.72	-
MA3	100+37.24	91.26' LT	643.62	-
MA4	100+62.05	63.99' LT	643.52	-
MA5	100+60.99	62.58' RT	644.71	-
MA6	99+52.86	99.58' RT	644.05	FIBER OPTIC
MA7	99+09.25	65.93' RT	644.13	UNDERGROUND ELECTRIC
PI	98+88.68	54.71' LT	644.24	-
P2	100+51.22	62.79' RT	644.85	-
P3	100+57.38	72.81' RT	644.81	-
P4	100+93.71	77.27' RT	643.94	-
HI	99+02.87	58.25' LT	643.96	-
H3	99+69.60	103.10' LT	643.94	-
H4	100+26.86	103.31' LT	643.66	-
H5	100+66.05	58.60' RT	644.55	-
H6	100+95.90	72.11' RT	644.16	-
H8	100+17.25	121.52' RT	644.99	-
H9	99+08.48	59.42' RT	646.02	-
CI	100+34.74	107.42' LT	644.05	-
SI	100+83.78	65.67' LT	643.83	-
HI0	100+88.32	55.62' LT	643.94	-
HI1	101+13.67	10.03' RT	644.54	-
HI2	98+60.89	3.97' RT	644.97	-



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H**

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	TS20.MOD1.190304.0003A.dgn	DRAWN -	REVISED -
default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

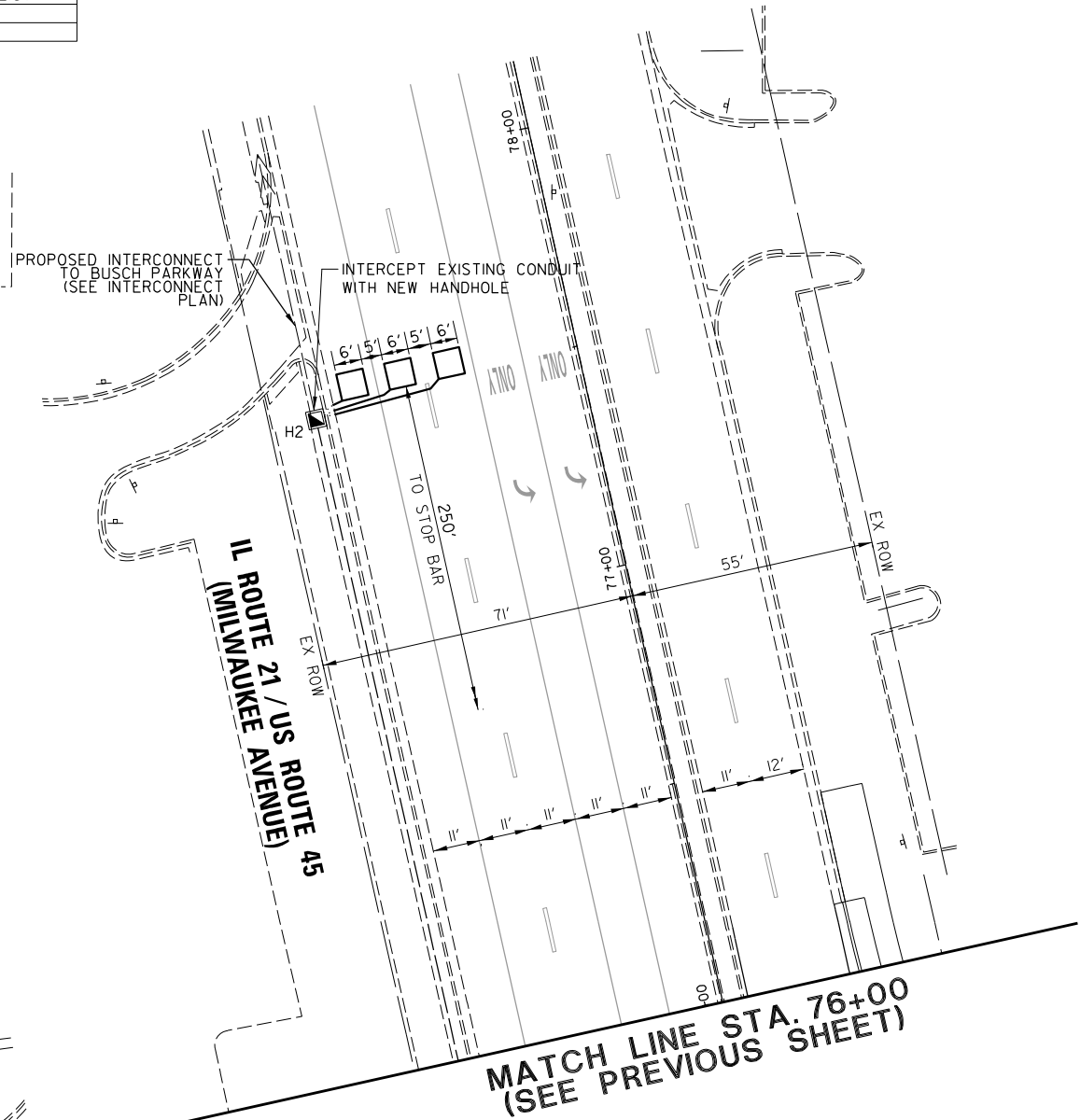
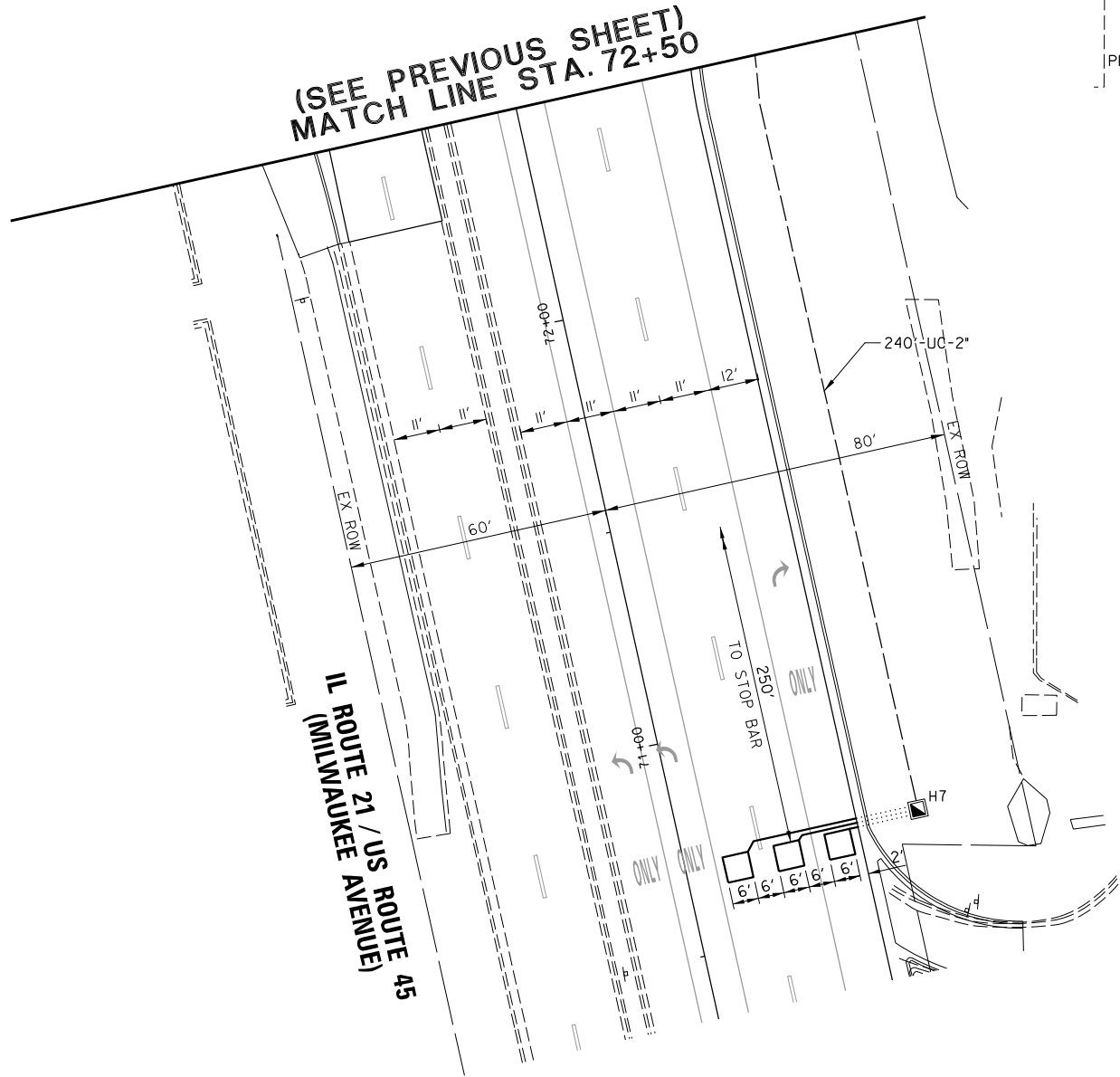
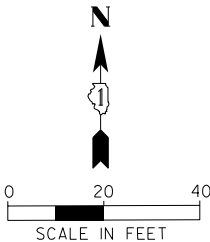
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODERNIZATION PLAN			
(SHEET 1 OF 2)			
DEERFIELD PKWY / DEERFIELD RD AT IL 21 / US 45 (MILWAUKEE AVE)			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	457
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL EQUIPMENT DATA

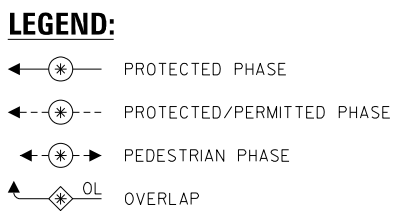
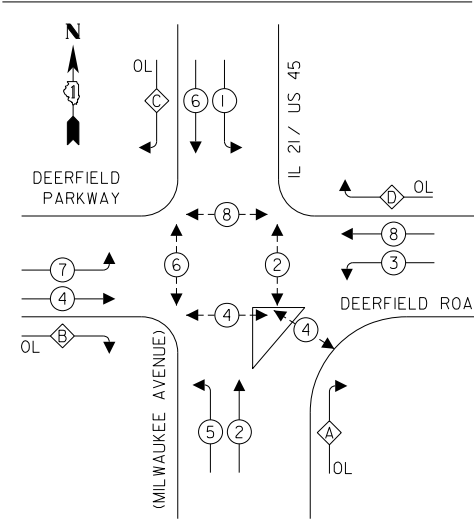
IL ROUTE 21/ US ROUTE 45 (MILWAUKEE AVENUE)				
ITEM	STATIONING	OFFSET	ELEV. OF FDN	POSSIBLE UTILITY CONFLICT
H2	77+46.61	60.20' LT	-	-
H7	70+72.36	55.31' RT	-	-



TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME = N:\LCDOT\190304.0003A\Traffic\MILWAUKEE default	USER NAME = omissick TS21.MDD2.190304.0003A.dgn PLOT SCALE = 28' PLOT DATE = 8/7/2026	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2) DEERFIELD PKWY /DEERFIELD RD AT IL 21 / US 45 (MILWAUKEE AVE) SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1257	15-00038-07-WR	LAKE	1090	458
		CHECKED -	REVISED -					CONTRACT NO. 61K62				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



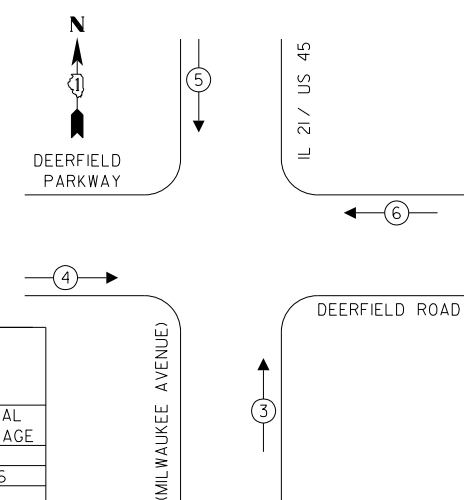
**RIGHT TURN OVERLAP
PHASE DESIGNATION:**

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

NOTE:

THE CONTROLLER SHALL BE PROGRAMMED WITH A PEDESTRIAN PROTECT THAT OMITTS RIGHT TURN OVERLAP 'A' WHEN A PUSHBUTTON IS ACTIVATED FOR PEDESTRIAN PHASE 4.

**PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	9	13	117
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			718
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1803

ENERGY COSTS TO:

LAKE COUNTY DIVISION OF TRANSPORTATION
18 N County Street
Waukegan, IL 60085

ENERGY SUPPLY: CONTACT: JAZZMINE WADE
PHONE: (847) 748-4315

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = omissick
N:\LCDOT\190304.0003A\Traffic\MILWAUKEE\TS22.CAB.190304.0003A.dgn	
PLOT SCALE = 28"	
PLOT DATE = 8/7/2026	

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN
(NOT TO SCALE)**

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
DEERFIELD PKWY / DEERFIELD RD AT IL 21 / US 45 (MILWAUKEE AVE)

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

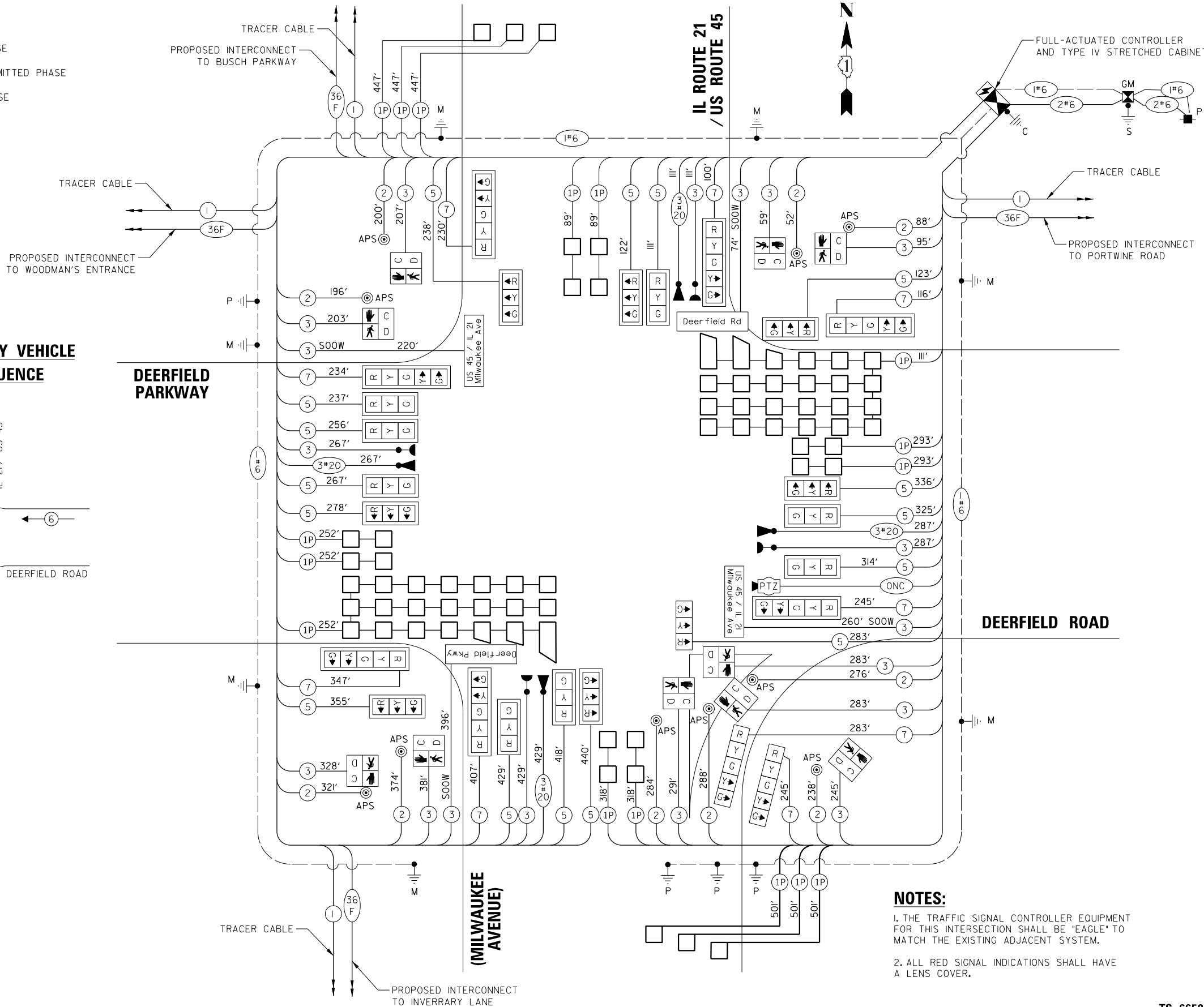
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	459
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

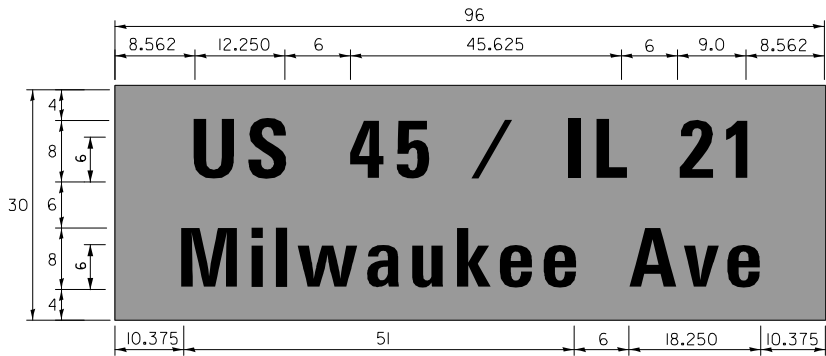
NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

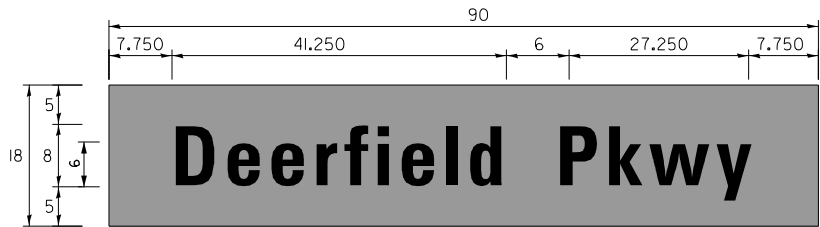
2. ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.



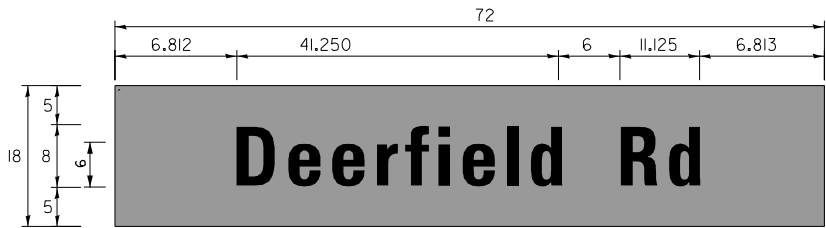
LED ILLUMINATED MAST ARM MOUNTED
STREET NAME SIGN



SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
96" x 30"	IL 21 / US 45 Milwaukee Ave	2	D

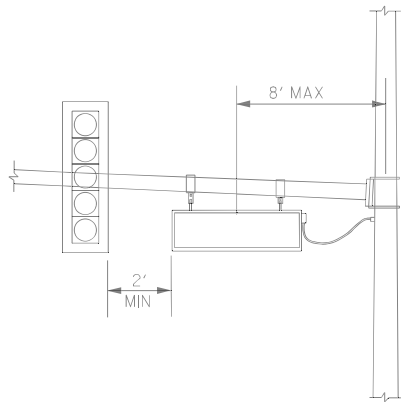


SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
90" x 18"	Deerfield Pkwy	1	D



SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
72" x 18"	Deerfield Rd	1	D

NOTE: THE LED ILLUMINATED STREET NAME SIGN SHALL BE PENDANT MOUNT. FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DETAILS FOR ILLUMINATED STREET NAME SIGN.



PENDANT MOUNT
ILLUMINATED STREET NAME SIGN

NOTE: LED STREET NAME SIGN SHALL BE 2-SIDED AND PENDANT MOUNT TO THE STEEL MAST ARM ASSEMBLY.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	60
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,003
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	181
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	831
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,317
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,469
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,777
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,265
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5,111
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	113
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,584
TRAFFIC SIGNAL POST, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	15
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	22
DETECTOR LOOP, TYPE I	FOOT	2,183
* LIGHT DETECTOR	EACH	4
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING DOUBLE HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,094
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
OUTDOOR RATED NETWORK CABLE	FOOT	261
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	950
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET, SPECIAL	EACH	1
NETWORK SWITCH ACCESS	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
LED SIGNAL FACE, LENS COVER	EACH	25
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

* = 100% COST TO THE VILLAGE OF RIVERWOODS

TS 6650
LCDOT PASSAGE
FORMER EAGLE 1H

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LED ILLUMINATED MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES DEERFIELD PKWY /DEERFIELD RD AT IL 21 /US 45 (MILWAUKEE AVE)	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\MILWAUKEE	TS23.S00.190304.0003A.dgn	DRAWN -	REVISED -			I257	I5-00038-07-WR	LAKE	1090	460
default	PLOT SCALE = 28'	CHECKED -	REVISED -			CONTRACT NO. 6IK62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -			ILLINOIS FED.AID PROJECT				

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.

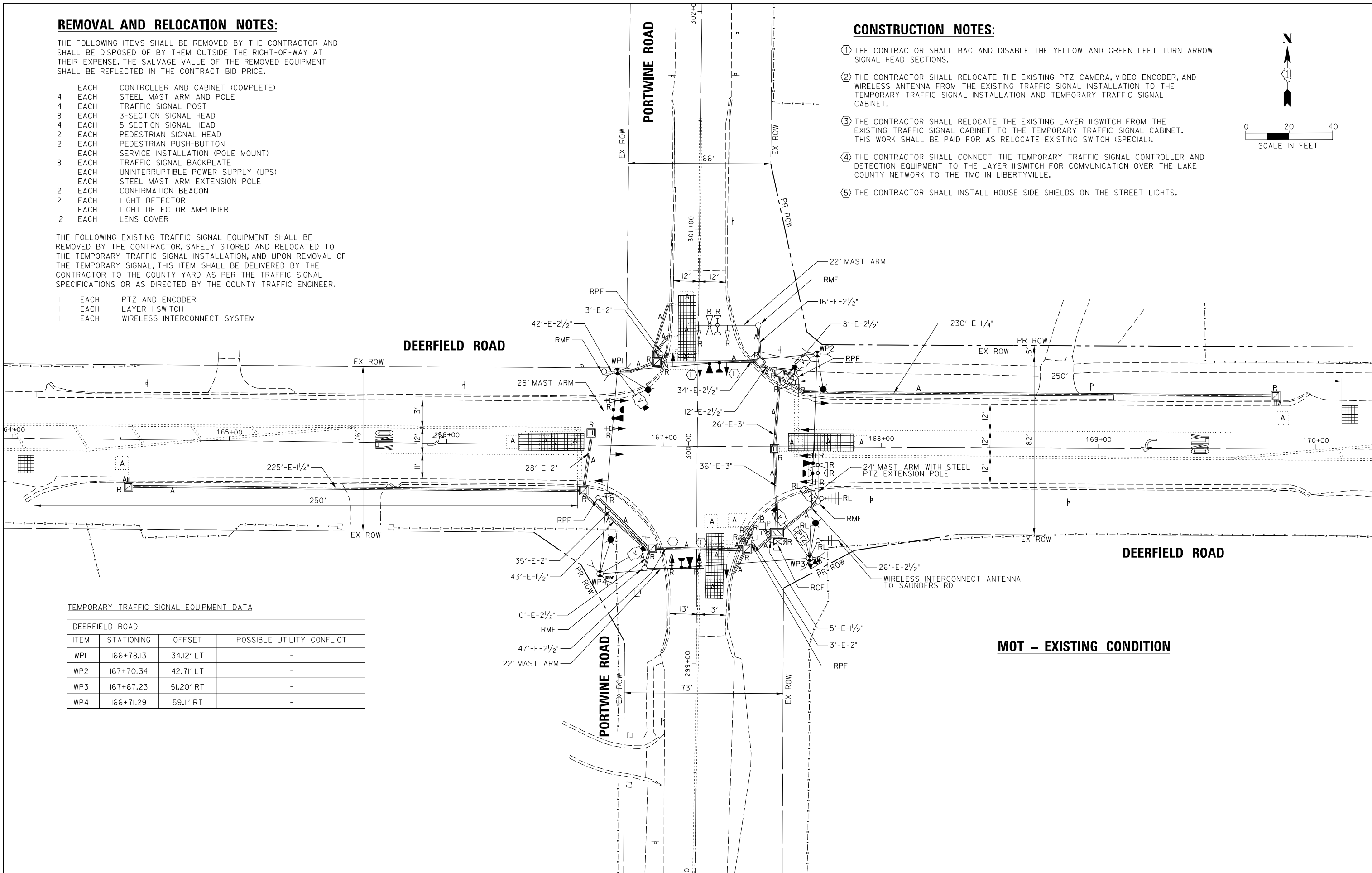
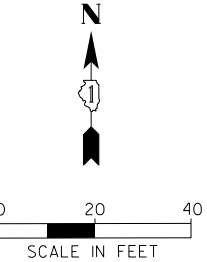
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH STEEL MAST ARM AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION (POLE MOUNT)
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY (UPS)
- 1 EACH STEEL MAST ARM EXTENSION POLE
- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 12 EACH LENS COVER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND UPON REMOVAL OF THE TEMPORARY SIGNAL, THIS ITEM SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS OR AS DIRECTED BY THE COUNTY TRAFFIC ENGINEER.

- 1 EACH PTZ AND ENCODER
- 1 EACH LAYER II SWITCH
- 1 EACH WIRELESS INTERCONNECT SYSTEM

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEAD SECTIONS.
- 2 THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, AND WIRELESS ANTENNA FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND TEMPORARY TRAFFIC SIGNAL CABINET.
- 3 THE CONTRACTOR SHALL RELOCATE THE EXISTING LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL CABINET TO THE TEMPORARY TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR AS RELOCATE EXISTING SWITCH (SPECIAL).
- 4 THE CONTRACTOR SHALL CONNECT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AND DETECTION EQUIPMENT TO THE LAYER II SWITCH FOR COMMUNICATION OVER THE LAKE COUNTY NETWORK TO THE TMC IN LIBERTYVILLE.
- 5 THE CONTRACTOR SHALL INSTALL HOUSE SIDE SHIELDS ON THE STREET LIGHTS.



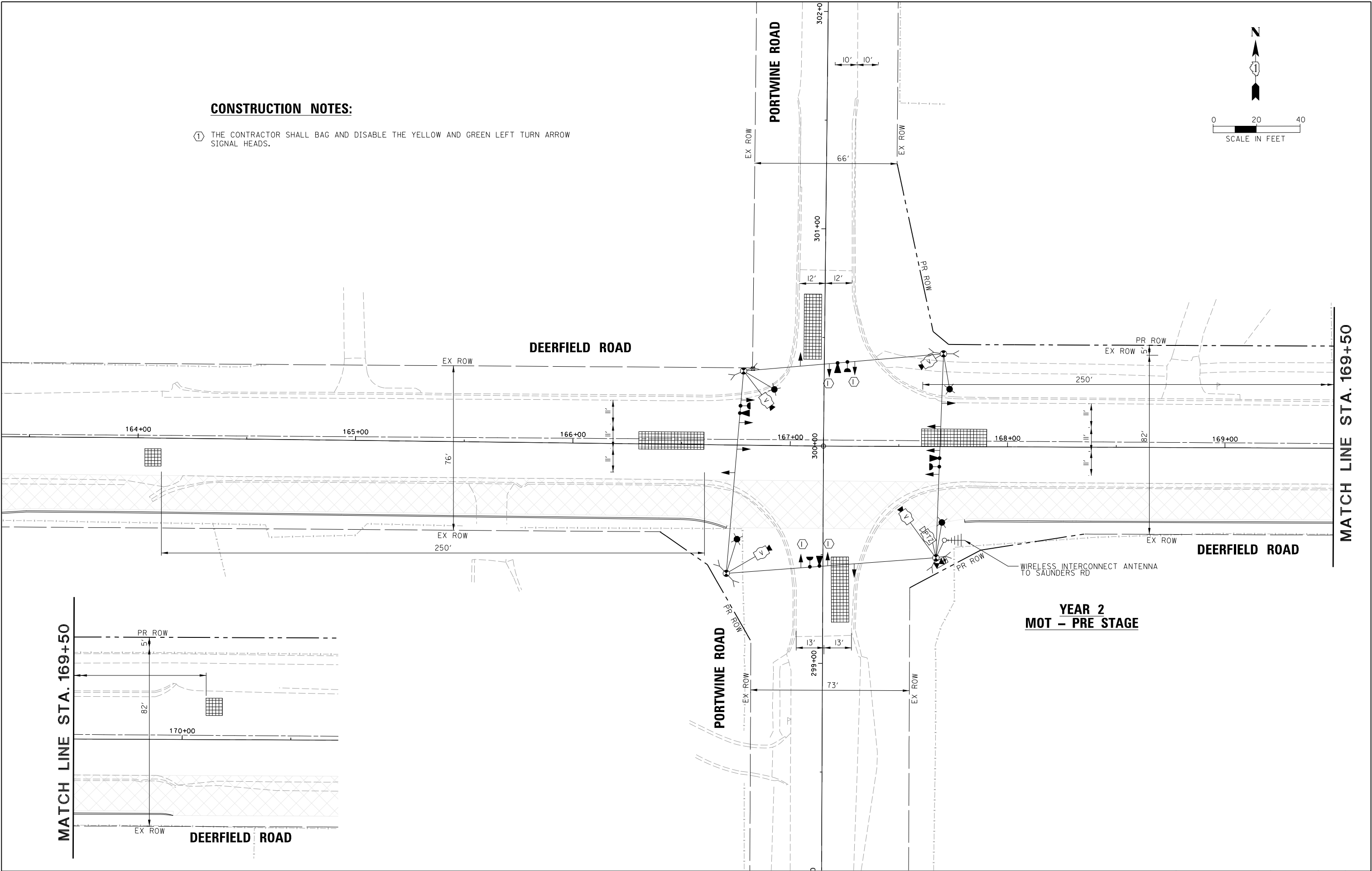
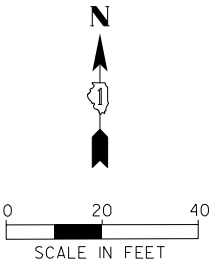
TEMPORARY TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
WP1	I66+78.13	34.12' LT	-
WP2	I67+70.34	42.71' LT	-
WP3	I67+67.23	51.20' RT	-
WP4	I66+71.29	59.11' RT	-

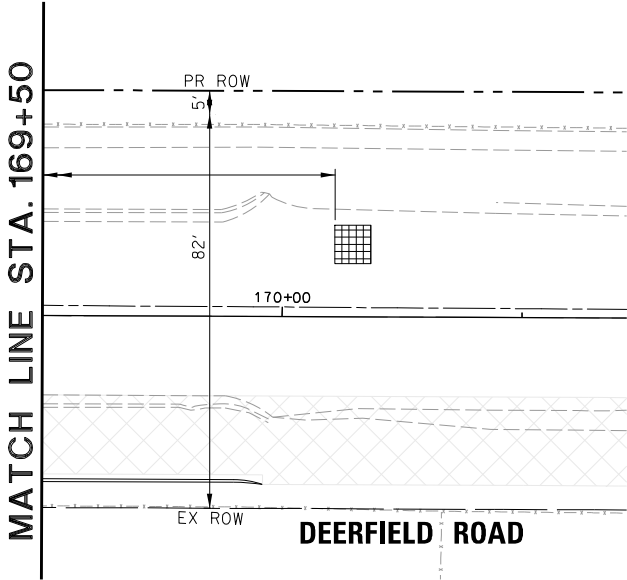
MOT – EXISTING CONDITION

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.



MATCH LINE STA. 169+50

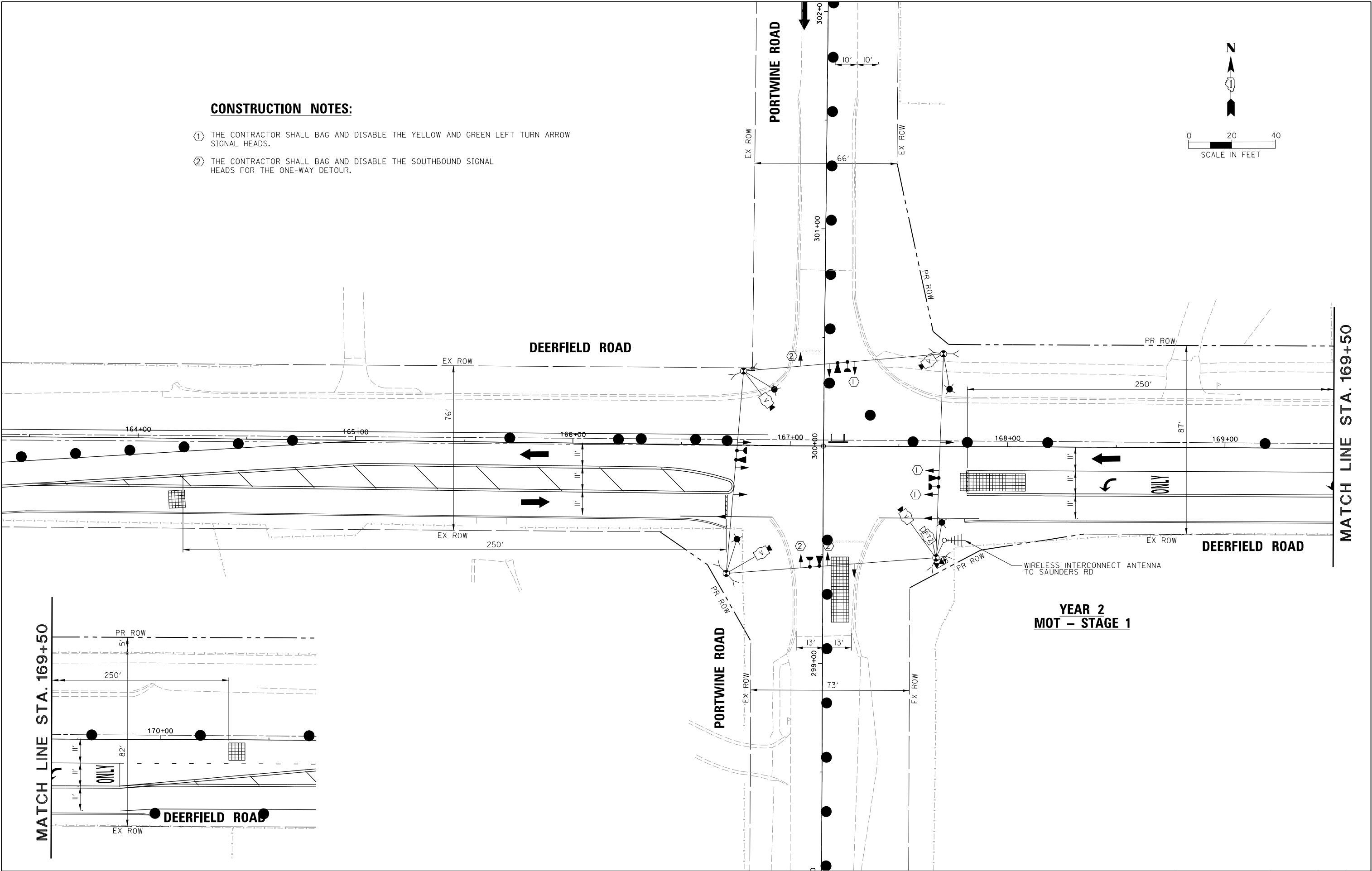
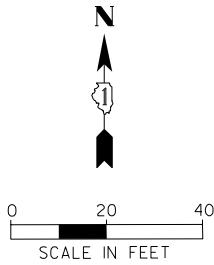


**YEAR 2
MOT – PRE STAGE**

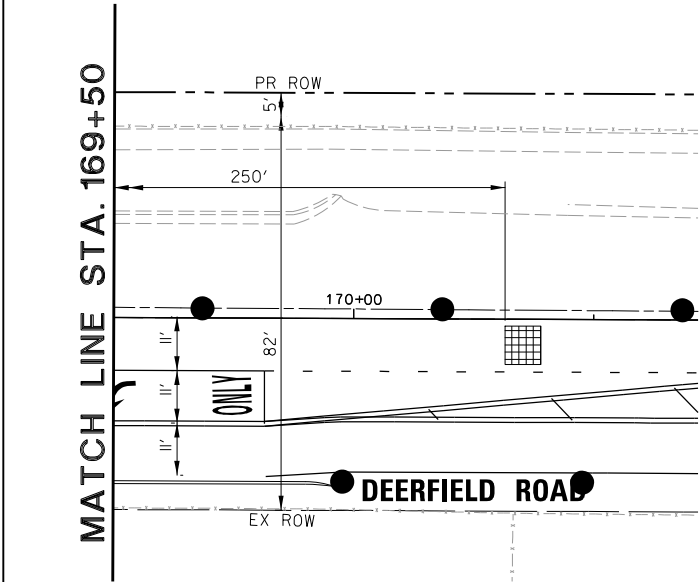
FILE NAME =	USER NAME = amissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 2 – PRE-STAGE DEERFIELD ROAD AT PORTWINE ROAD					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\PORTWINE_	TS2_YR2_MOT-Pre Stage.dgn	DRAWN -	REVISED -		I257	I5-00038-07-WR	LAKE	1090	462					
	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 6IK62									
default	PLOT DATE = 8/7/2026	DATE -	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT		

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.
- ② THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS FOR THE ONE-WAY DETOUR.



YEAR 2
MOT - STAGE 1



FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\CDDOT\190304.0003A\Traffic\PORTWINE	TS3.YR2.MOT-Stage 1.dgn	DRAWN -	REVISED -
default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
YEAR 2 STAGE 1
DEERFIELD ROAD AT PORTWINE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	463
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

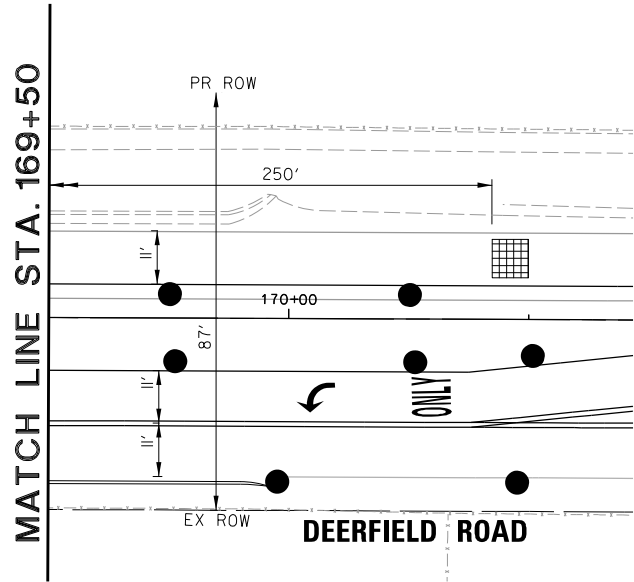
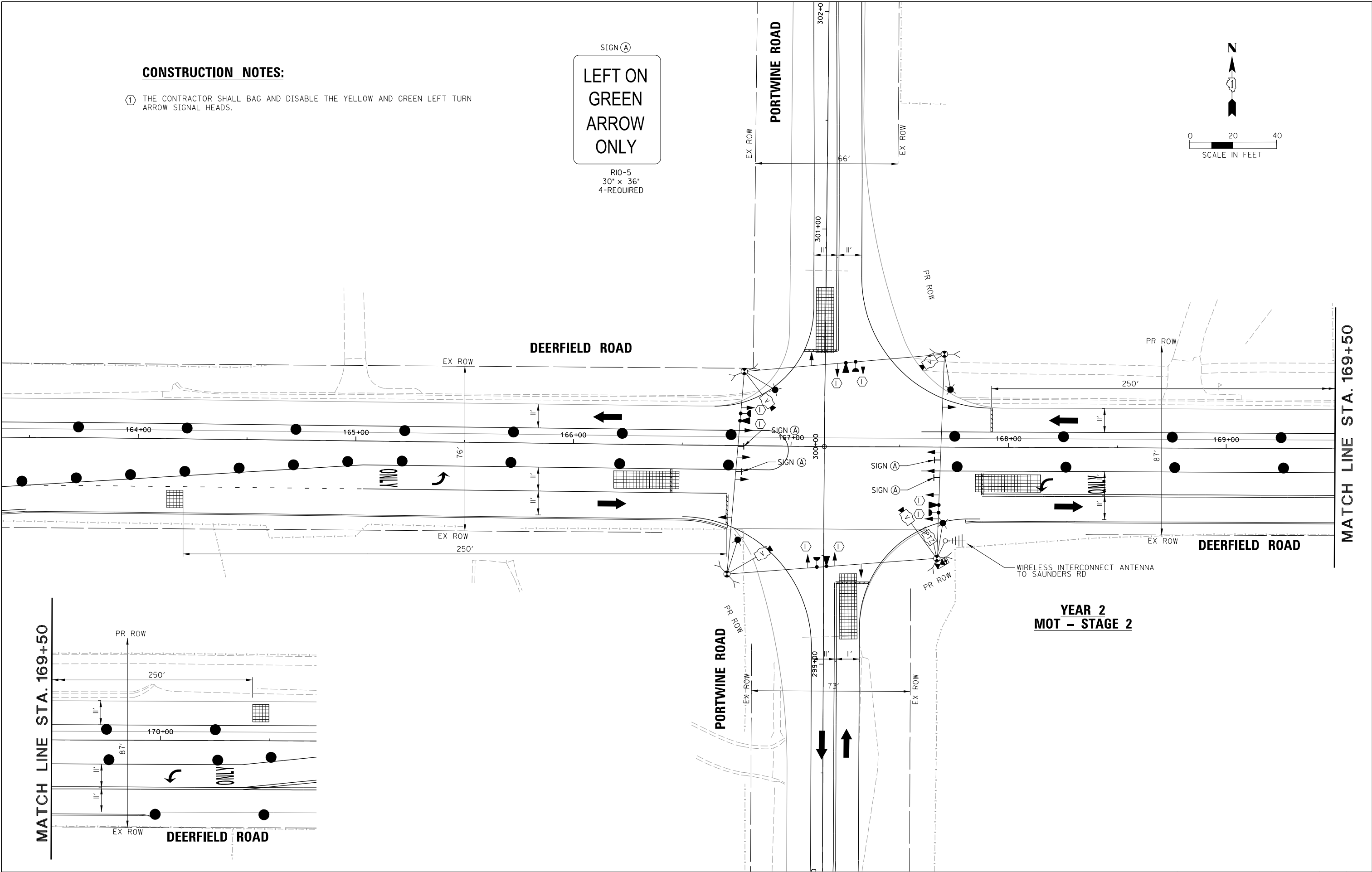
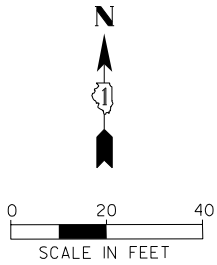
CONSTRUCTION NOTES:

1 THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.

SIGN (A)

LEFT ON
GREEN
ARROW
ONLY

RIO-5
30" x 36"
4-REQUIRED



YEAR 2
MOT – STAGE 2

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\LCDOT\190304\0003A\Traffic\PORTWINE	TS4_YR2_MOT-Stage 2 .dgn	DRAWN -	REVISED -
default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

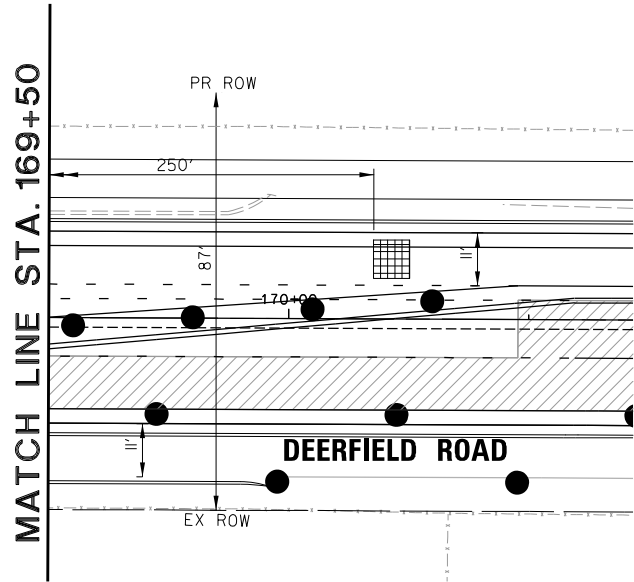
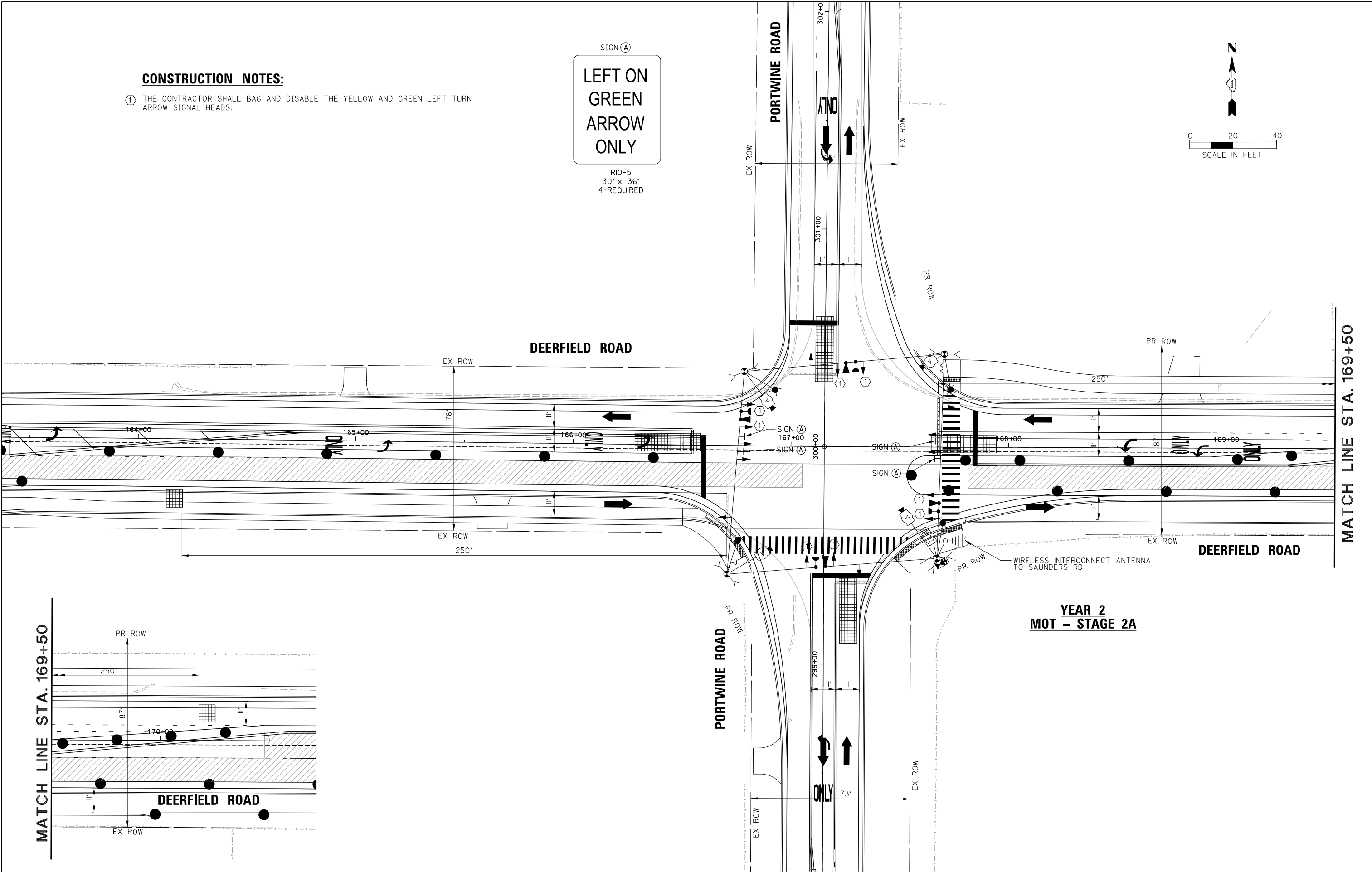
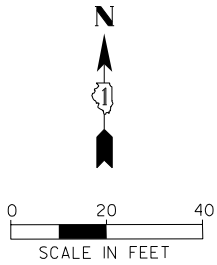
MAINTENANCE OF TRAFFIC YEAR 2 STAGE 2 DEERFIELD ROAD AT PORTWINE ROAD			
SCALE: 1" = 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	464
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES:

1 THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.

SIGN (A)
LEFT ON
GREEN
ARROW
ONLY
RIO-5
30" x 36"
4-REQUIRED



YEAR 2
MOT - STAGE 2A

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
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default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

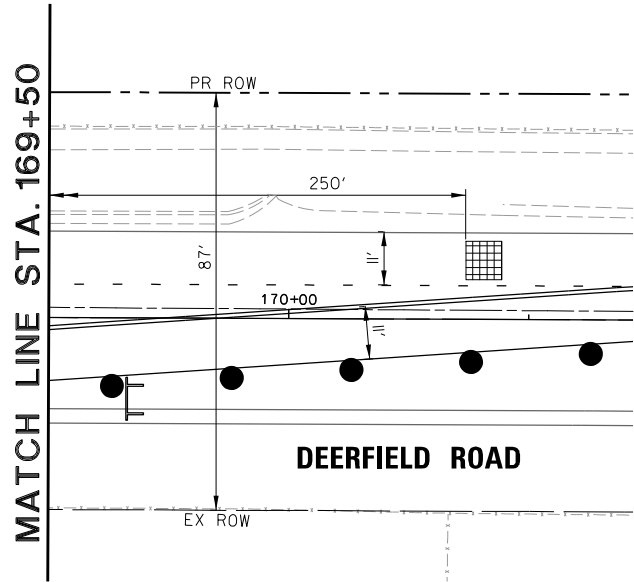
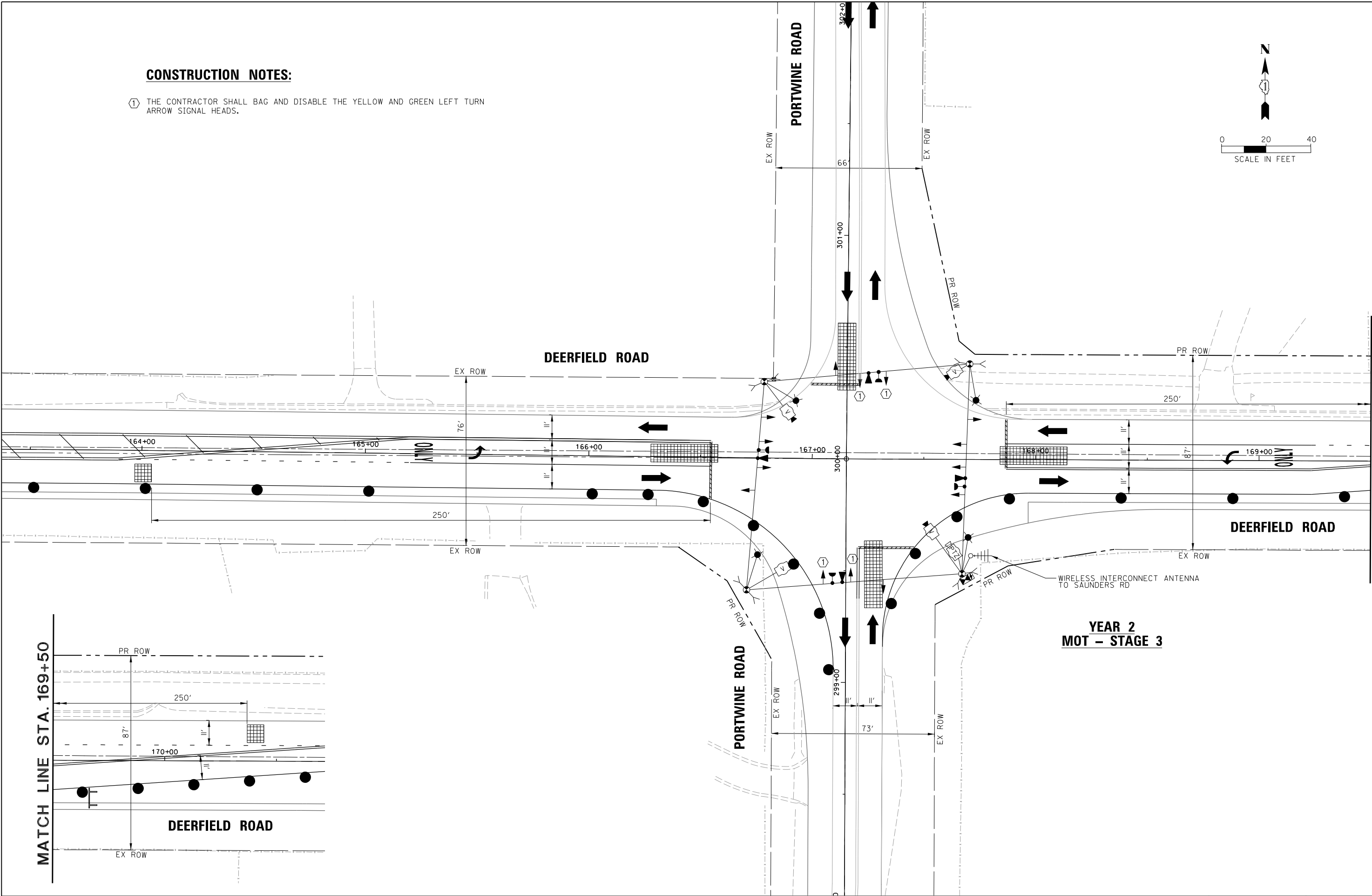
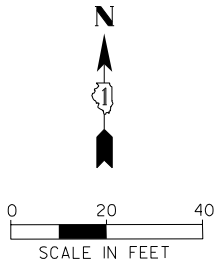
MAINTENANCE OF TRAFFIC
YEAR 2 STAGE 2A
DEERFIELD ROAD AT PORTWINE ROAD

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	465
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES:

① THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.



YEAR 2
MOT – STAGE 3

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
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	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

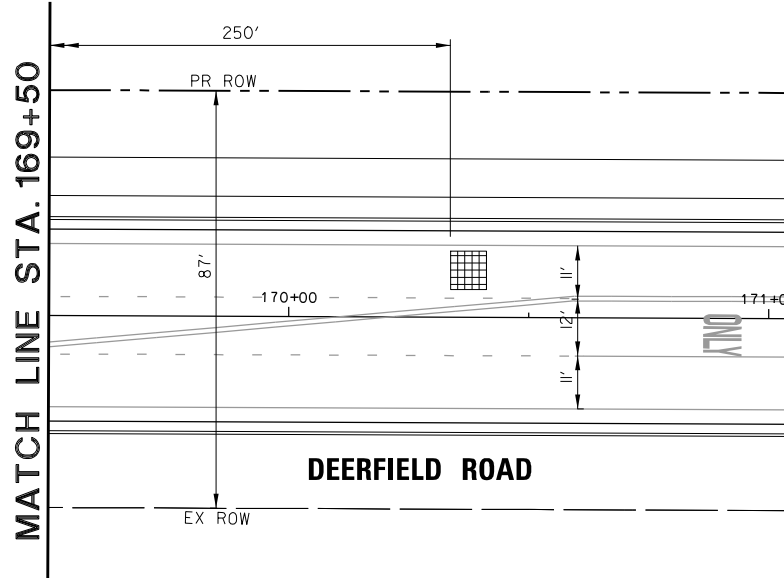
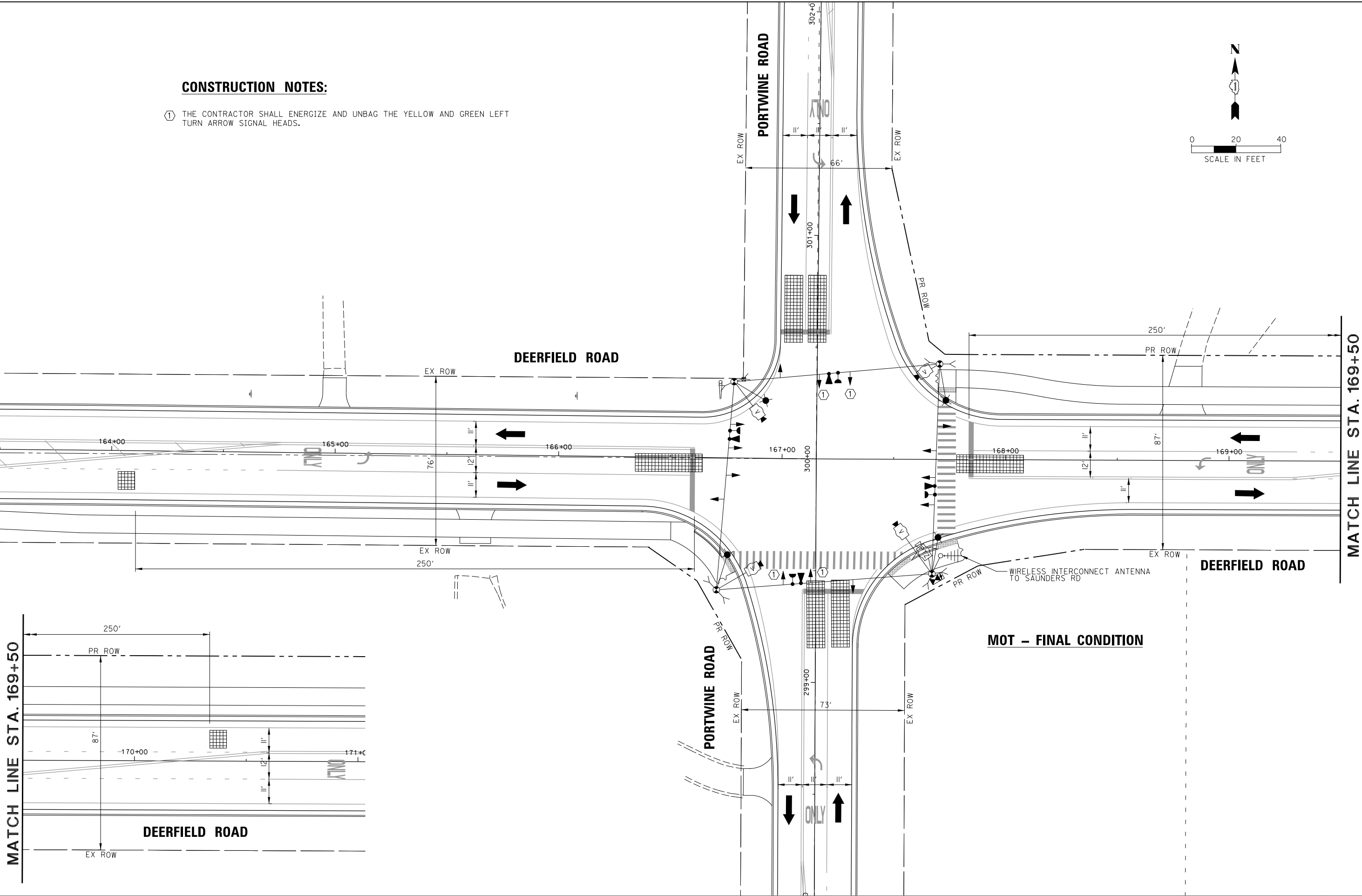
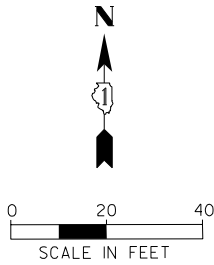
MAINTENANCE OF TRAFFIC
YEAR 2 STAGE 3
DEERFIELD ROAD AT PORTWINE ROAD

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	466
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL ENERGIZE AND UNBAG THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.



FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -
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	PLOT DATE = 8/7/2026	DATE -	REVISED -

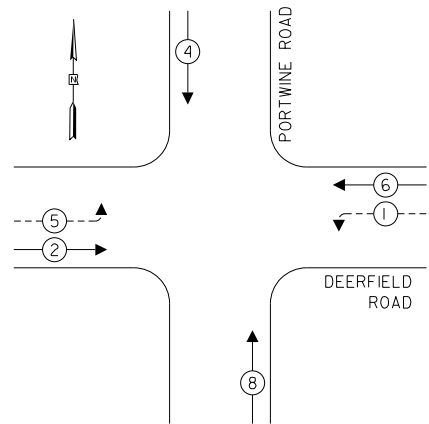
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
FINAL CONDITION
DEERFIELD ROAD AT PORTWINE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	467
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

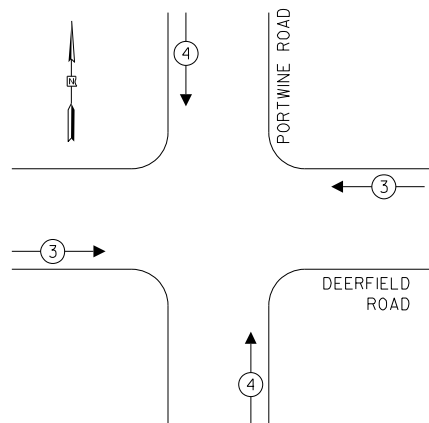
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←(*) PROTECTED PHASE
- ←(*)--- PROTECTED/PERMITTED PHASE
- ←(*)→ PEDESTRIAN PHASE
- ←(*) OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↓↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	10	24.0
(GREEN)	12	12	40	57.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
TOTAL =				760.6

ENERGY COSTS TO:

VILLAGE OF RIVERWOODS

300 Portwine Road
Riverwoods, IL 60015

ENERGY SUPPLY: CONTACT: XXX

PHONE: XXX

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: ---

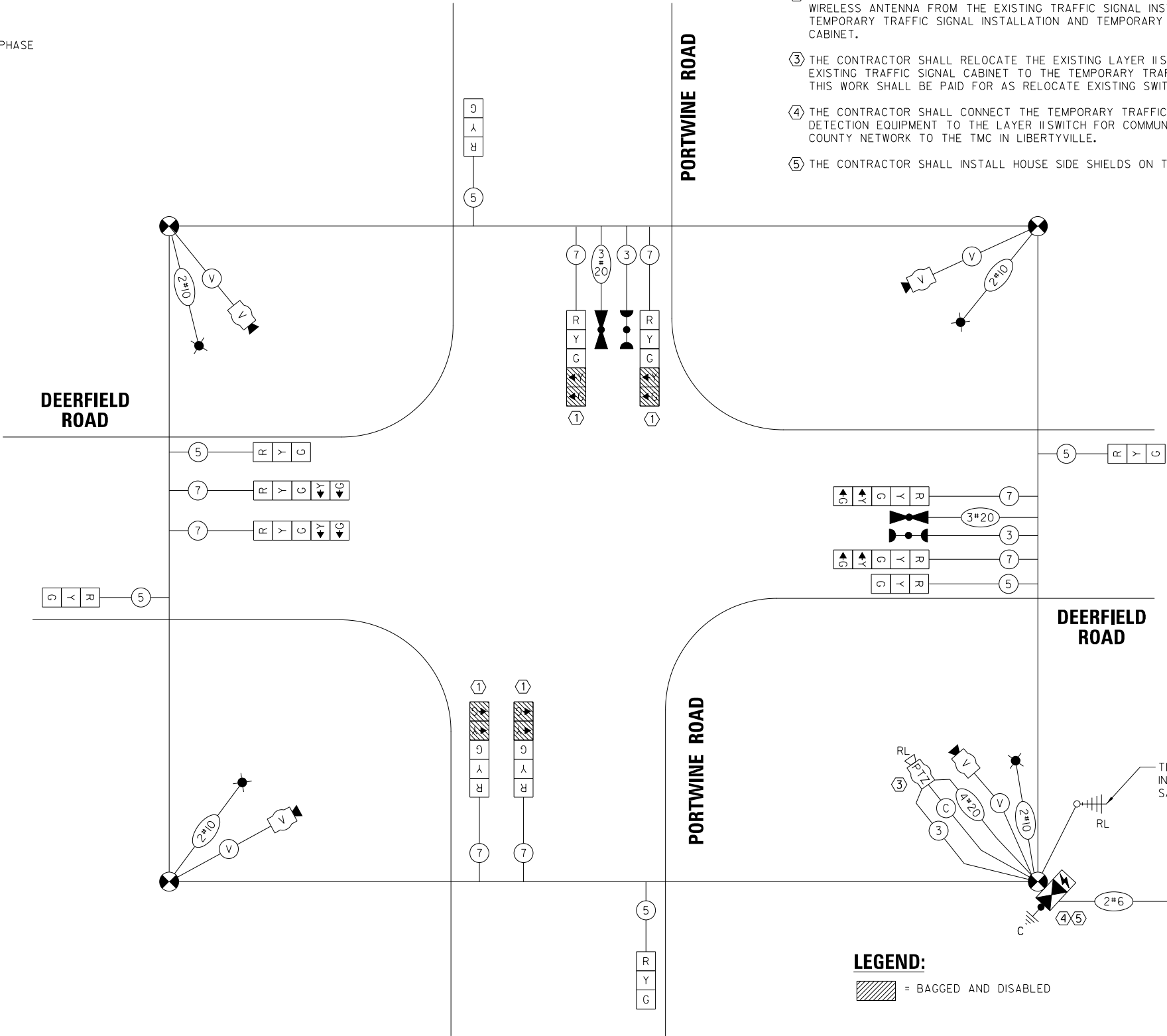
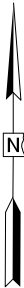
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default	PLOT SCALE = 28'
	PLOT DATE = 8/7/2026

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEAD SECTIONS.
- THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, AND WIRELESS ANTENNA FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND TEMPORARY TRAFFIC SIGNAL CABINET.
- THE CONTRACTOR SHALL RELOCATE THE EXISTING LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL CABINET TO THE TEMPORARY TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR AS RELOCATE EXISTING SWITCH (SPECIAL).
- THE CONTRACTOR SHALL CONNECT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AND DETECTION EQUIPMENT TO THE LAYER II SWITCH FOR COMMUNICATION OVER THE LAKE COUNTY NETWORK TO THE TMC IN LIBERTYVILLE.
- THE CONTRACTOR SHALL INSTALL HOUSE SIDE SHIELDS ON THE STREET LIGHTS.



MOT EXISTING CONDITION,
MOT PRE-STAGE

TEMPORARY CABLE PLAN

(NOT TO SCALE)

LEGEND:

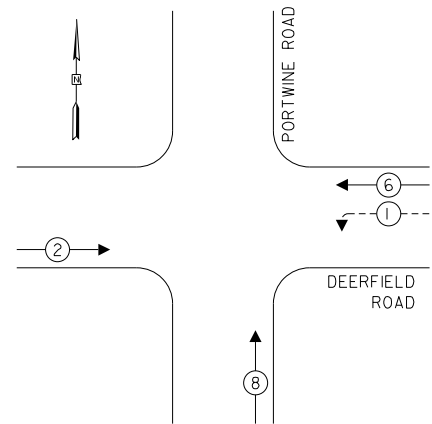
[Hatched Box] = BAGGED AND DISABLED

MAINTENANCE OF TRAFFIC
TEMPORARY CABLE PLAN
DEERFIELD ROAD AT PORTWINE ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	468
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

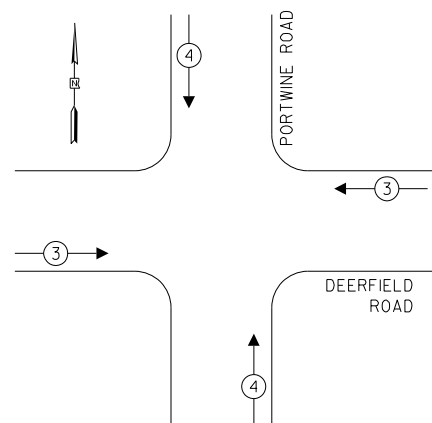
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←(*) PROTECTED PHASE
- ←(*)--- PROTECTED/PERMITTED PHASE
- ←(*)→ PEDESTRIAN PHASE
- ←(*) OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↓↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	10	24.0
(GREEN)	12	12	40	57.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
TOTAL =				760.6

ENERGY COSTS TO:
VILLAGE OF RIVERWOODS
300 Portwine Road
Riverwoods, IL 60015

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

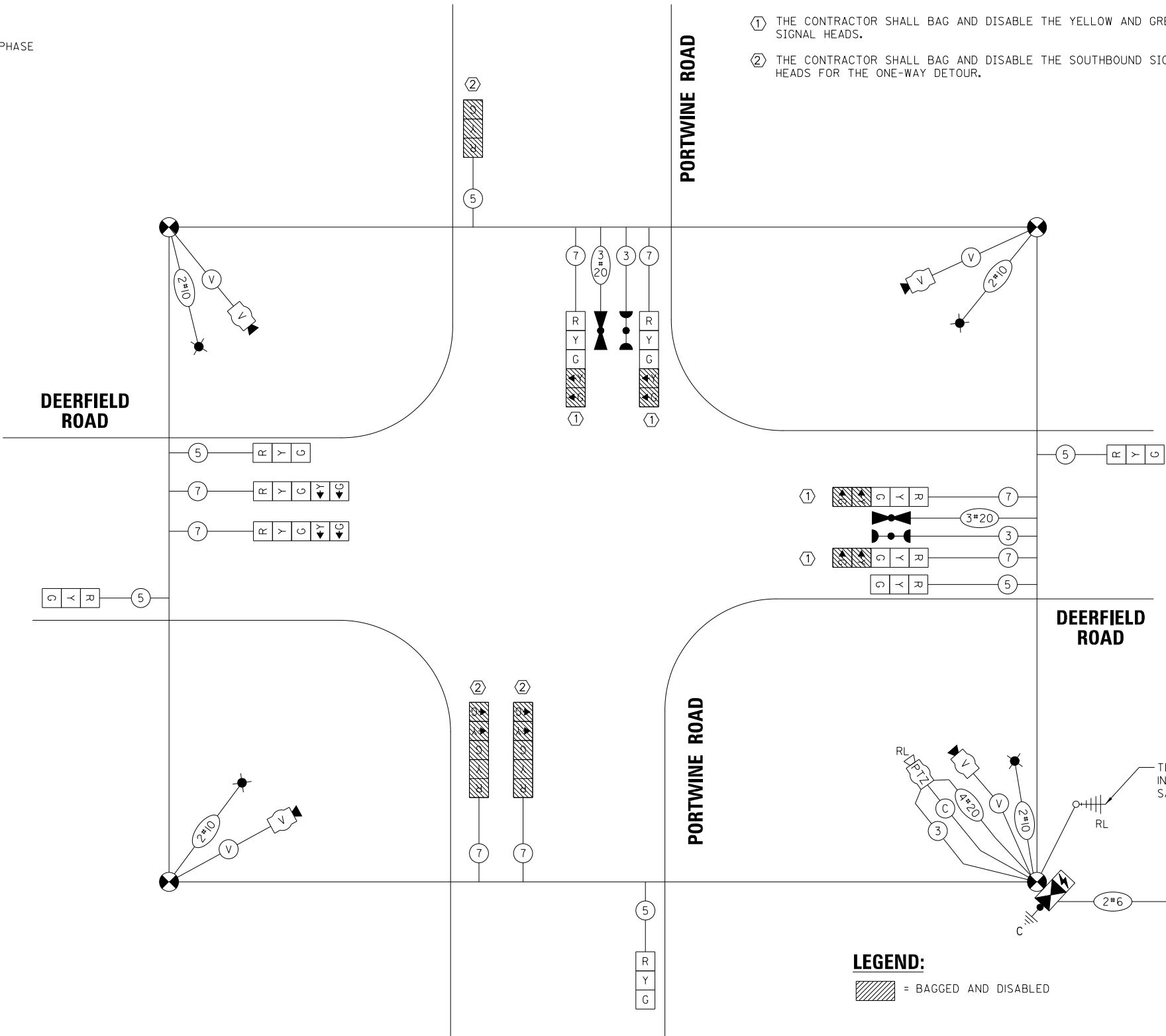
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default	PLOT SCALE = 28'
	PLOT DATE = 8/7/2026

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.
- THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS FOR THE ONE-WAY DETOUR.



YEAR 2 MOT – STAGE 1

TEMPORARY CABLE PLAN
(NOT TO SCALE)

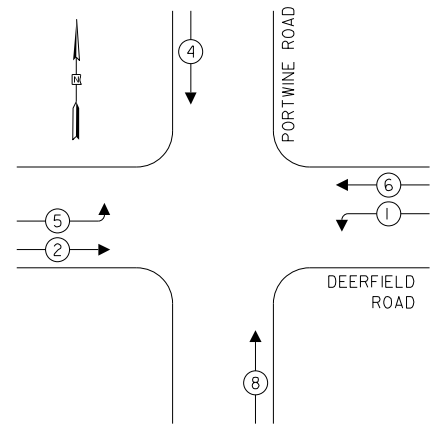
LEGEND:

▨ = BAGGED AND DISABLED

MAINTENANCE OF TRAFFIC TEMPORARY CABLE PLAN DEERFIELD ROAD AT PORTWINE ROAD			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	469
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

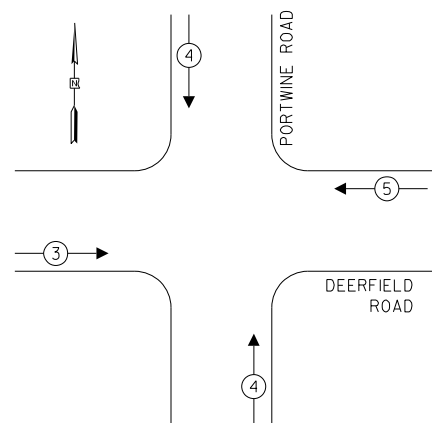
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←(*) PROTECTED PHASE
- ←-(*)- PROTECTED/PERMITTED PHASE
- ←-(*)-> PEDESTRIAN PHASE
- ←-(*)- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	↓ ↑	←

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

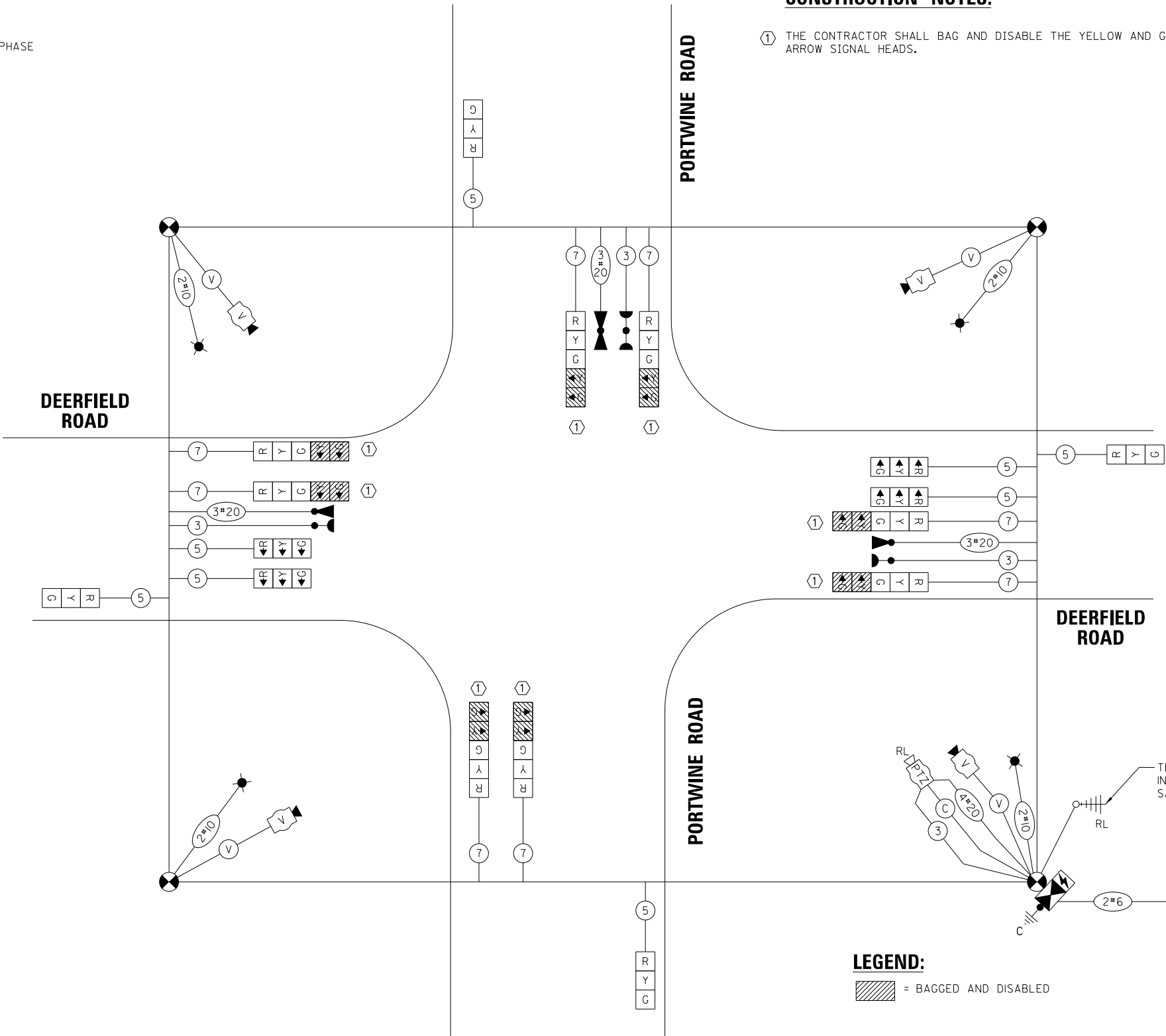
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	10	32.0
(GREEN)	16	12	40	76.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
TOTAL =				801.8

ENERGY COSTS TO:
VILLAGE OF RIVERWOODS
300 Portwine Road
Riverwoods, IL 60015

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.



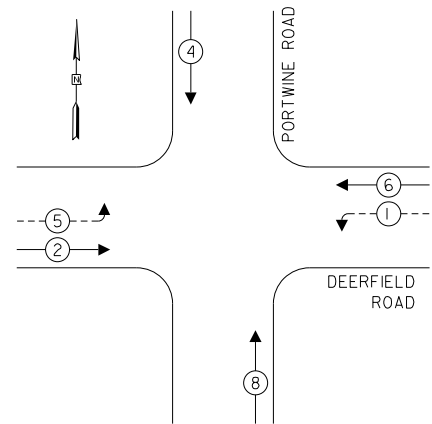
YEAR 2 MOT – STAGE 2,
YEAR 2 MOT – STAGE 2A
TEMPORARY CABLE PLAN
(NOT TO SCALE)

LEGEND:

[Hatched Box] = BAGGED AND DISABLED

FILE NAME =	USER NAME = amussick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TEMPORARY CABLE PLAN DEERFIELD ROAD AT PORTWINE ROAD	F.A.U. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
N:\LCDOT\190304.0003A\Traffic\PORTWINE	SI0_TCB3.190304.0003A.dgn	DRAWN -	REVISED -			I257	I5-00038-07-WR	LAKE	1090	470	
default	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 6IK62					
	PLOT DATE = 8/7/2026	DATE -	REVISED -			SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

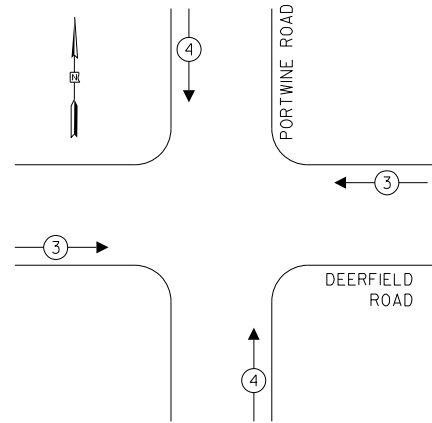
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←(*) PROTECTED PHASE
- ←(*)-- PROTECTED/PERMITTED PHASE
- ←(*)→ PEDESTRIAN PHASE
- ←(*) OL OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↓↑

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	10	32.0
(GREEN)	16	12	40	76.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
			TOTAL =	881.8

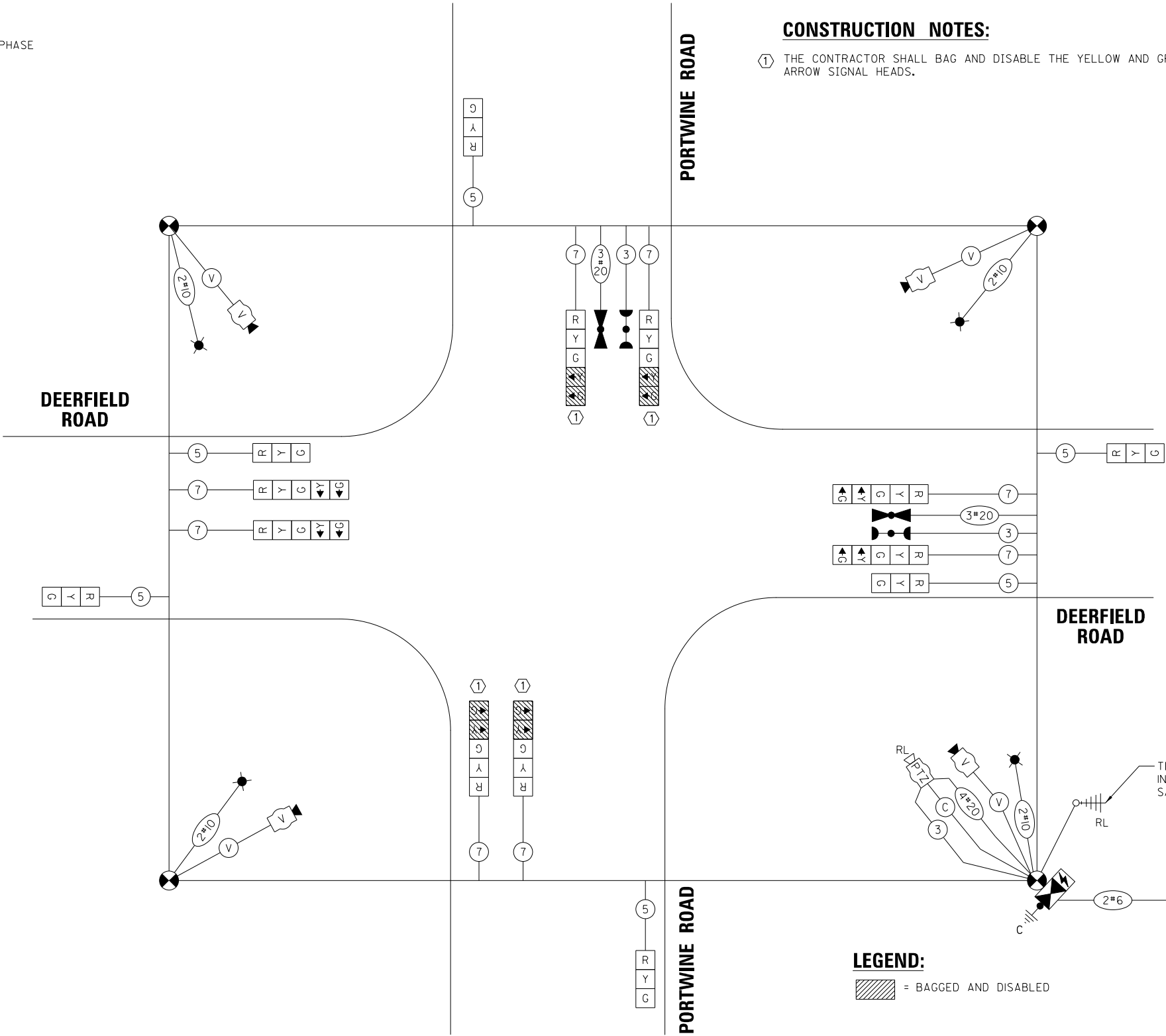
ENERGY COSTS TO:

VILLAGE OF RIVERWOODS
300 Portwine Road
Riverwoods, IL 60015

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.



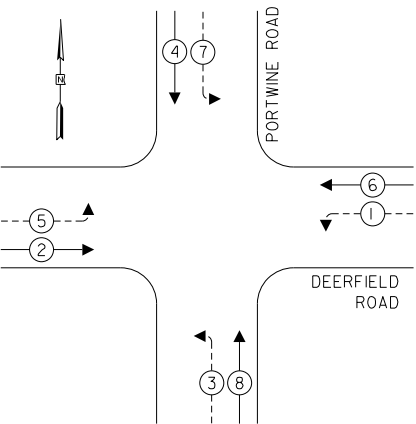
LEGEND:

[Hatched Box] = BAGGED AND DISABLED

MOT – STAGE 3
TEMPORARY CABLE PLAN
(NOT TO SCALE)

FILE NAME =	USER NAME = amussick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TEMPORARY CABLE PLAN DEERFIELD ROAD AT PORTWINE ROAD					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\PORTWINE	TS11.TCB4.190304.0003A.dgn	DRAWN -	REVISED -		I257	I5-00038-07-WR	LAKE	1090	471					
default	PLOT SCALE = 20'	CHECKED -	REVISED -							CONTRACT NO. 6IK62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -		SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO STA.				
									ILLINOIS FED. AID PROJECT					

TEMPORARY CONTROLLER SEQUENCE



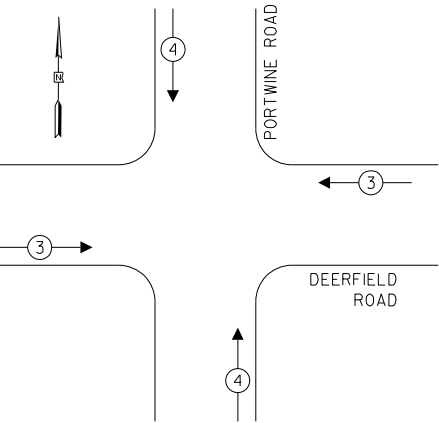
LEGEND:

- ←(*) PROTECTED PHASE
- ←(*)- - - PROTECTED/PERMITTED PHASE
- ←(*)→ PEDESTRIAN PHASE
- ←(*) OL OVERLAP

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL ENERGIZE AND UNBAG THE YELLOW AND GREEN LEFT TURN ARROW SIGNAL HEADS.

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↓↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	10	24.0
(GREEN)	12	12	40	57.6
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
			TOTAL =	752.6

ENERGY COSTS TO:

VILLAGE OF RIVERWOODS

300 Portwine Road
Riverwoods, IL 60015

ENERGY SUPPLY: CONTACT: XXX

PHONE: XXX

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: ---

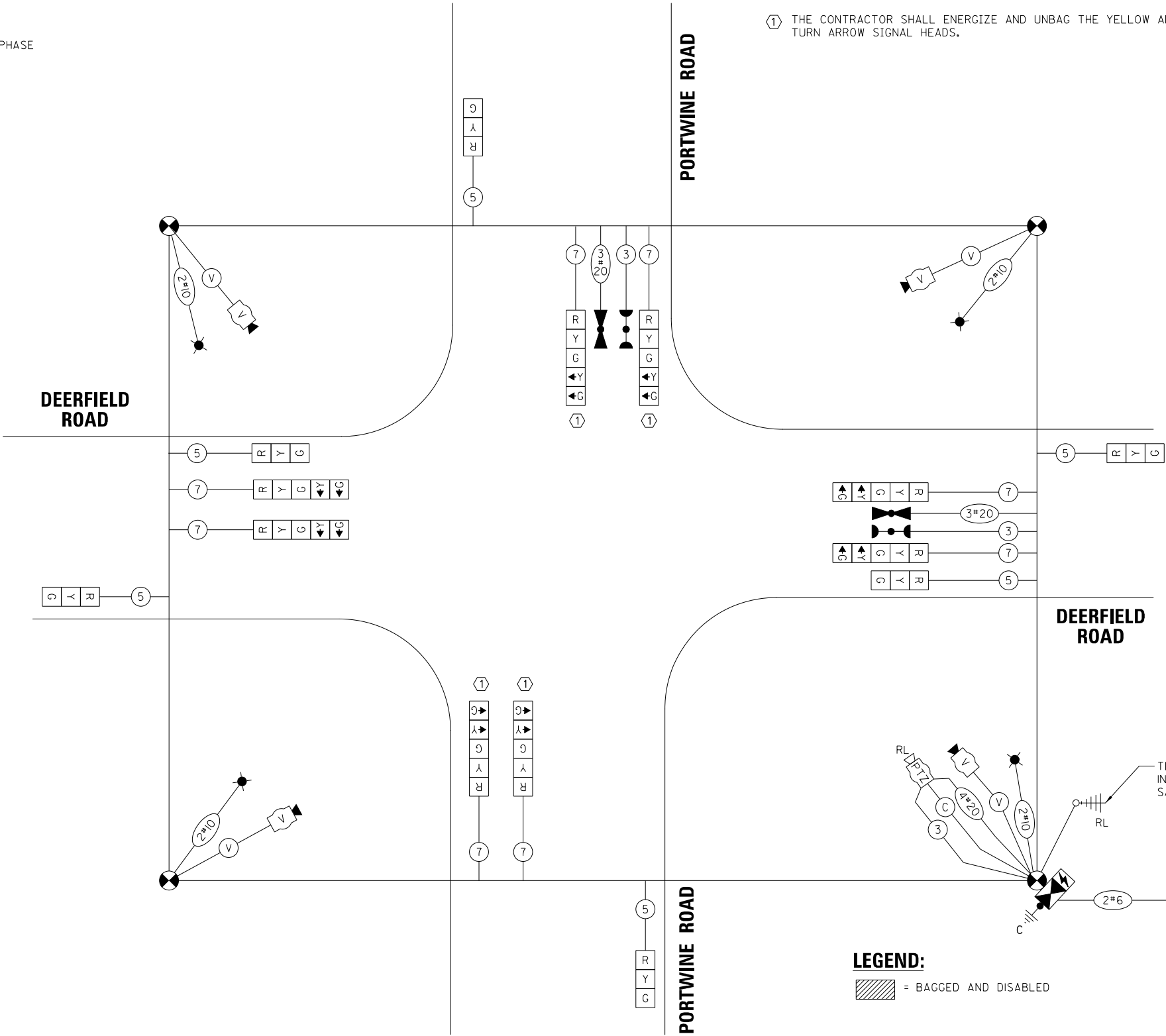
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default	PLOT SCALE = 20'
	PLOT DATE = 8/7/2026

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT – FINAL CONDITION
TEMPORARY CABLE PLAN

(NOT TO SCALE)



LEGEND:

[Hatched Box] = BAGGED AND DISABLED

MAINTENANCE OF TRAFFIC TEMPORARY CABLE PLAN DEERFIELD ROAD AT PORTWINE ROAD			
SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	472
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL EQUIPMENT DATA

ITEM	STATIONING	OFFSET	ELEV. OF FDN	POSSIBLE UTILITY CONFLICT
MA1	I66+69.44	28.04' LT	655.49	-
MA2	I67+58.78	55.32' LT	655.38	-
MA3	I67+81.59	41.99' RT	656.05	-
MA4	I66+73.85	55.37' RT	655.11	-
PI	I66+87.61	37.62' LT	655.50	-
P2	I67+68.64	36.24' LT	656.06	-
P3	I67+63.64	50.13' RT	655.82	-
P4	I66+50.48	38.01' RT	655.29	-
HI	I66+77.87	28.10' LT	655.72	-
H2	I67+62.20	46.00' LT	655.50	-
H3	I67+71.92	49.98' RT	655.98	-
H4	I66+58.50	43.78' RT	655.28	-
CI	I66+55.13	46.85' RT	655.11	-
SI	I66+43.60	38.64' RT	654.98	-

CONSTRUCTION NOTES:

- ① LUMINAIRE ARMS SHALL BE 20 FEET IN LENGTH.
- ② ALL PUSHBUTTONS SHALL BE APS.
- ③ THE CONTRACTOR SHALL INSTALL HOUSE SIDE SHIELDS ON THE STREET LIGHTS.



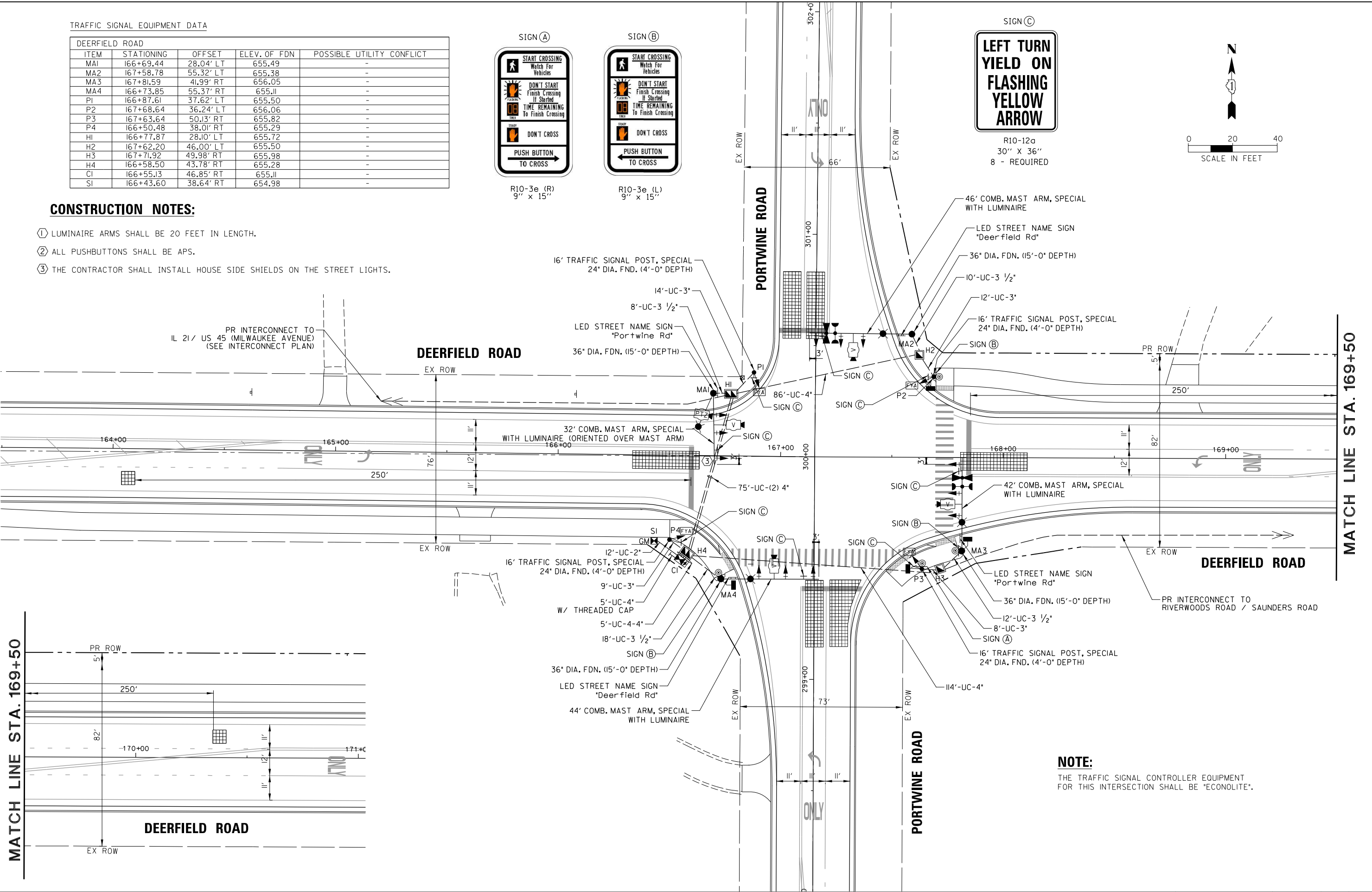
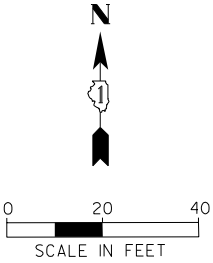
R10-3e (R)
9" x 15"



R10-3e (L)
9" x 15"

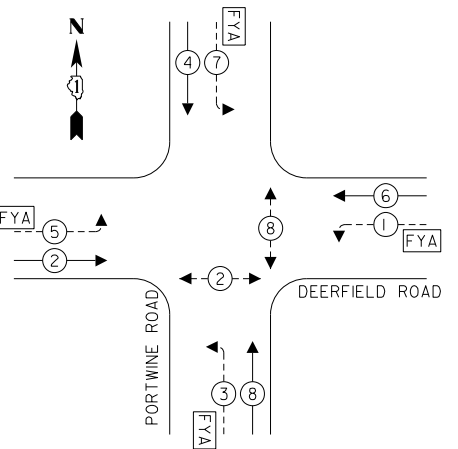


R10-12a
30" x 36"
8 - REQUIRED

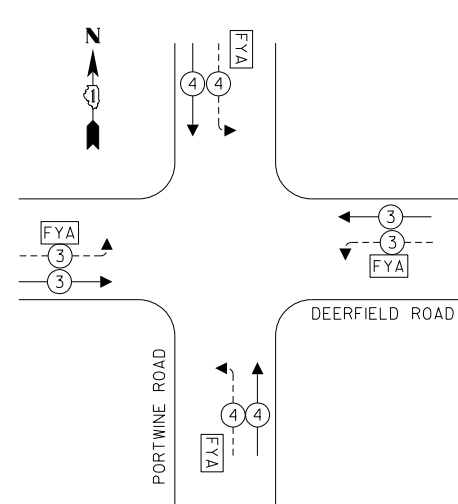


NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT
FOR THIS INTERSECTION SHALL BE "ECONOLITE".

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	8	11	50	44.0
(YELLOW)	4	20	5	4.0
(GREEN)	4	12	45	21.6
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	16	10	10	16.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	4	165	50	330.0
PTZ	1	60	100	60.0
TOTAL =				1114.6

ENERGY COSTS TO:

VILLAGE OF RIVERWOODS
300 Portwine Road
Riverwoods, IL 60015

ENERGY SUPPLY: CONTACT: JAZZMINE WADE
PHONE: (847) 748-4315
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

LEGEND:

- ← (*) PROTECTED PHASE
- ← (*) - - - PROTECTED/PERMITTED PHASE
- ← (*) → PEDESTRIAN PHASE
- ← (*) OL OVERLAP
- [FYA] FLASHING YELLOW ARROW

PROPOSED INTERCONNECT TO
IL 21/US 45 (MILWAUKEE AVENUE)

DEERFIELD ROAD

PORTWINE ROAD

DEERFIELD ROAD

CABLE PLAN
(NOT TO SCALE)

NOTE:

ALL RED SIGNAL INDICATIONS
SHALL HAVE A LENS COVER.

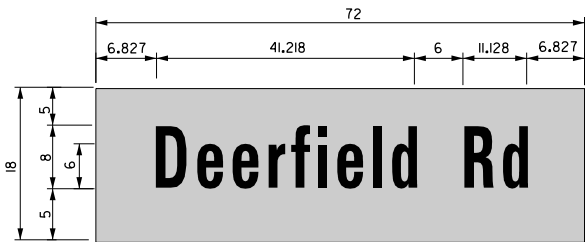
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
DEERFIELD ROAD AT PORTWINE ROAD

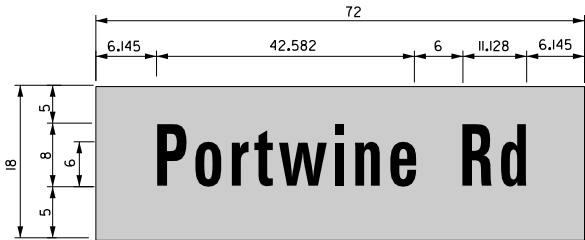
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	474
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\CDDOT\190304\0003A\Traffic\PORTWINE	TS14_CAB_190304.0003A.dgn	DRAWN -	REVISED -
default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

LED ILLUMINATED MAST ARM MOUNTED
STREET NAME SIGN



SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
72" x 18"	Deer field Rd	2	D



SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
72" x 18"	Portwine Rd	2	D

NOTE: THE LED ILLUMINATED STREET NAME SIGN SHALL BE PENDANT MOUNT.
FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE
DETAILS FOR ILLUMINATED STREET NAME SIGN.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	60
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	12
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	43
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	370
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,465
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,573
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,720
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,349
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	42
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	919
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	484
RELOCATE EXISTING SWITCH (SPECIAL)	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	162
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
LUMINAIRE, LED, SPECIAL	EACH	4
LUMINAIRE SHIELD	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	16
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	4
ILLUMINATED STREET NAME SIGN	EACH	4
RELOCATE EXISTING PTZ CAMERA	EACH	1
RELOCATE EXISTING RADIO INTERCONNECT SYSTEM	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4

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 CONTROLLER AND CABINET
- 4 EACH STEEL MAST ARM AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 4 EACH 3-SECTION SIGNAL HEAD
- 12 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 16 EACH LENS COVER

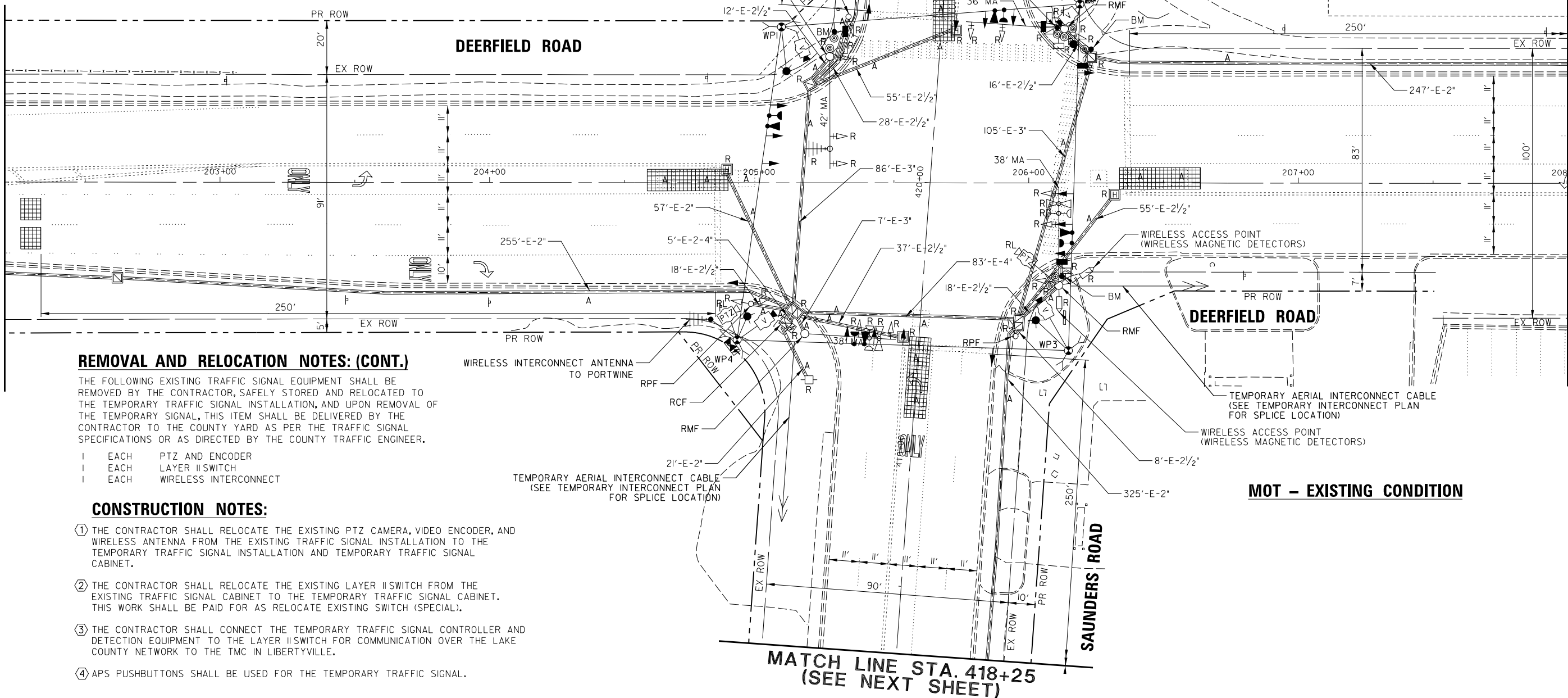
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE COUNTY AND UPON ENERGIZING THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, THESE ITEM(S) SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS OR AS DIRECTED BY THE COUNTY TRAFFIC ENGINEER.

- 1 EACH LIGHT DETECTOR AMPLIFIER
- 1 EACH CONTROLLER
- 1 EACH MALFUNCTION MANAGEMENT UNIT
- 1 EACH WIELESS ACCESS POINT AND PROCESSOR
- 1 EACH TRAFFICWARE VEHICLE COUNTING SYSTEM, COMPLETE (EXCEPT FOR MAGNETOMETERS EMBEDDED IN ROAD)

TEMPORARY TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
WP1	205+08.21	57.77' LT	-
WP2	206+18.94	66.31' LT	GAS MAIN (NICOR)
WP3	206+14.79	62.14' RT	-
WP4	204+91.88	58.28' RT	-

(SEE NEXT SHEET)
MATCH LINE STA. 202+20



REMOVAL AND RELOCATION NOTES: (CONT.)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND UPON REMOVAL OF THE TEMPORARY SIGNAL, THIS ITEM SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY YARD AS PER THE TRAFFIC SIGNAL SPECIFICATIONS OR AS DIRECTED BY THE COUNTY TRAFFIC ENGINEER.

- 1 EACH PTZ AND ENCODER
- 1 EACH LAYER IISWITCH
- 1 EACH WIRELESS INTERCONNECT

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, AND WIRELESS ANTENNA FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND TEMPORARY TRAFFIC SIGNAL CABINET.
- ② THE CONTRACTOR SHALL RELOCATE THE EXISTING LAYER IISWITCH FROM THE EXISTING TRAFFIC SIGNAL CABINET TO THE TEMPORARY TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR AS RELOCATE EXISTING SWITCH (SPECIAL).
- ③ THE CONTRACTOR SHALL CONNECT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AND DETECTION EQUIPMENT TO THE LAYER IISWITCH FOR COMMUNICATION OVER THE LAKE COUNTY NETWORK TO THE TMC IN LIBERTYVILLE.
- ④ APS PUSHBUTTONS SHALL BE USED FOR THE TEMPORARY TRAFFIC SIGNAL.

MOT – EXISTING CONDITION

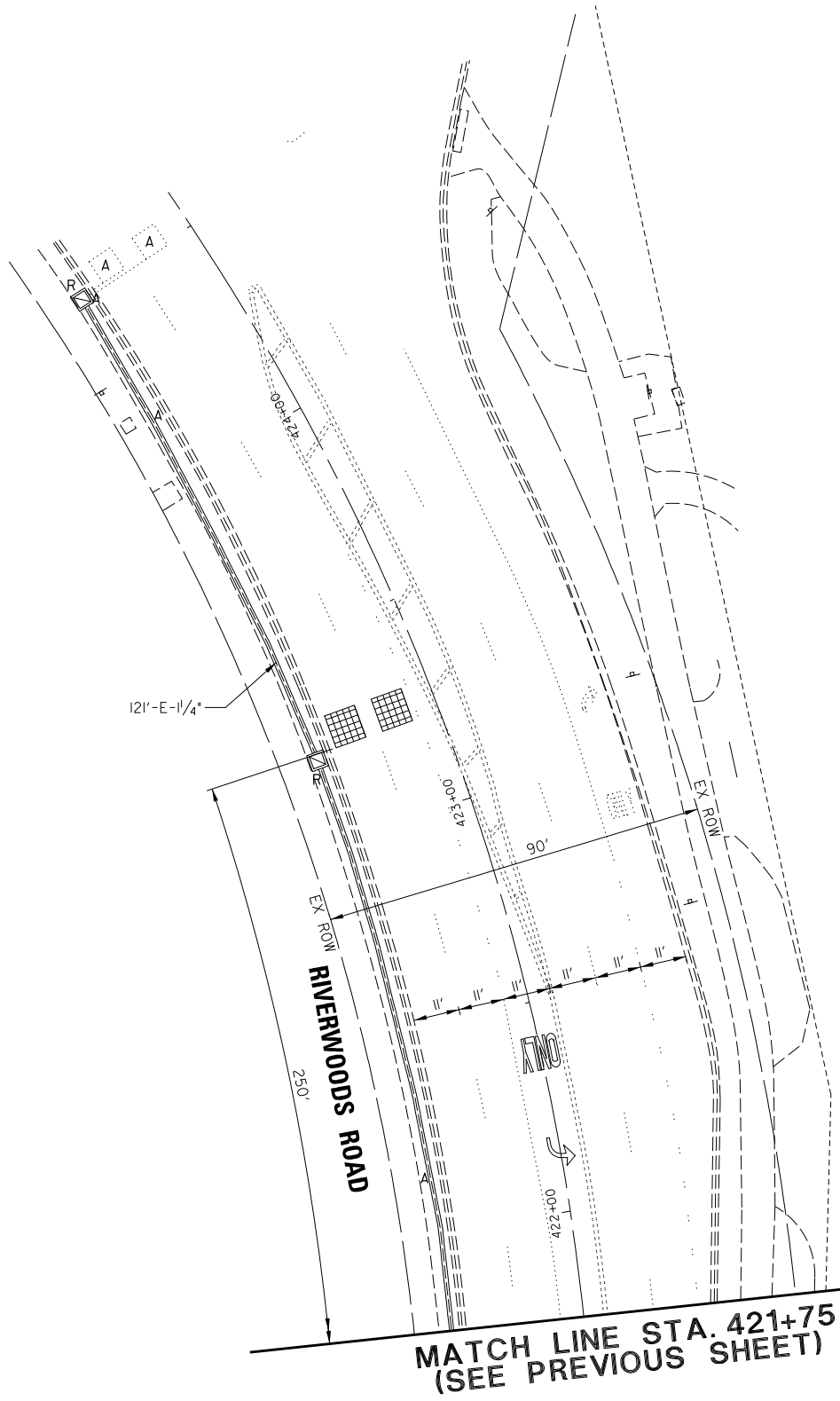
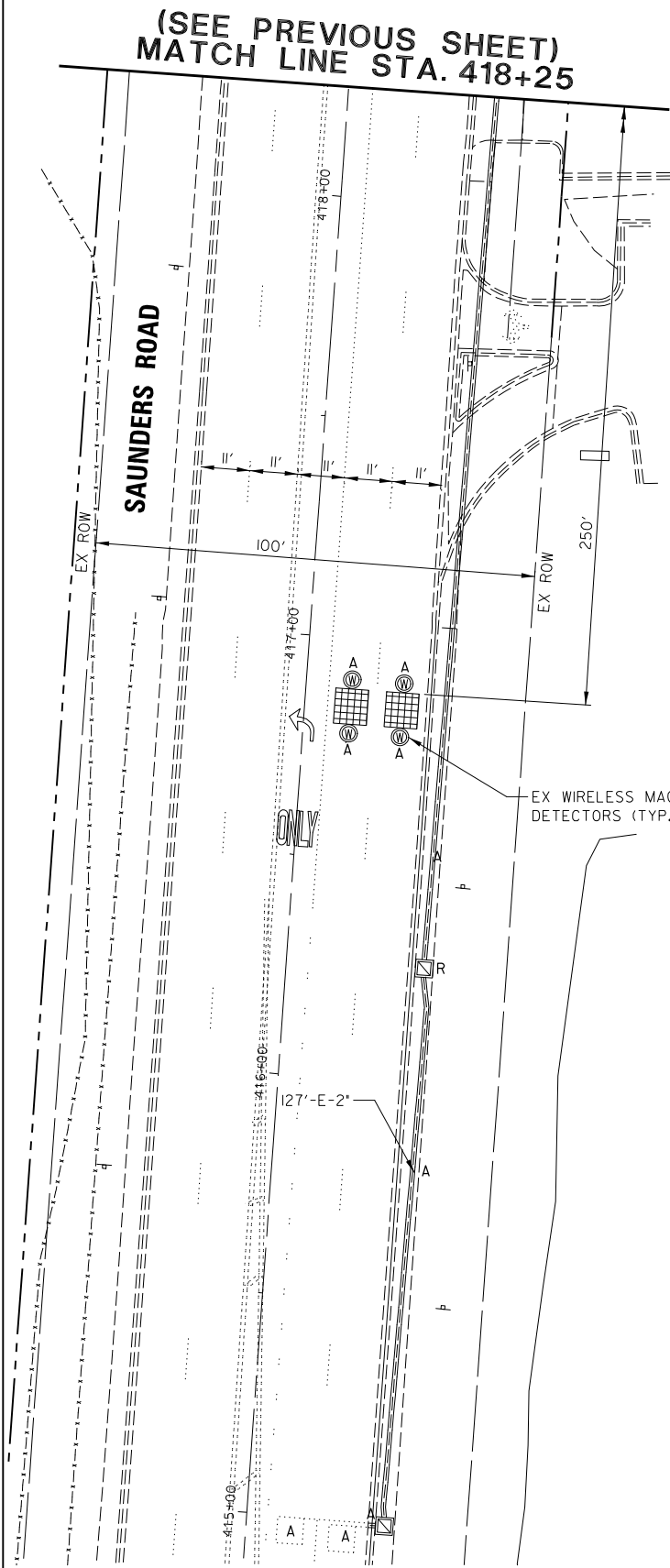
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N:\CDDOT\190304.0003A\Traffic\SAUNDERS_TSI.REM.190304.0003A.dgn		DRAWN -	REVISED -
	PLOT SCALE = 28'	CHECKED -	REVISED -
default	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL AND
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD

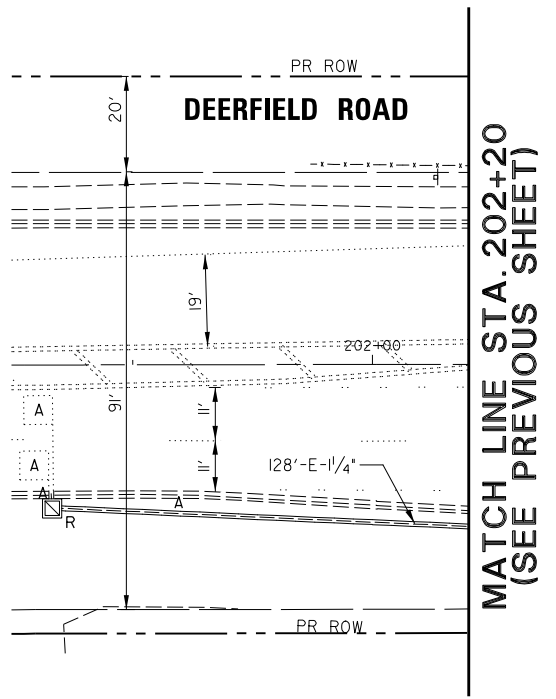
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	476
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

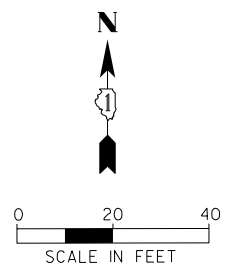
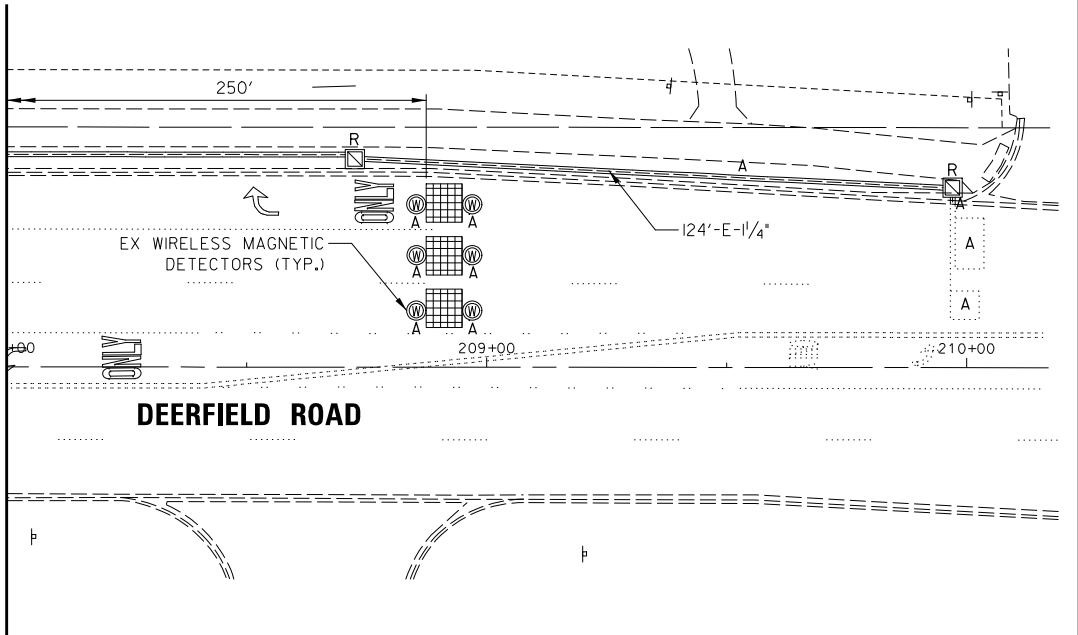


MATCH LINE STA. 421+75
(SEE PREVIOUS SHEET)

MOT – EXISTING CONDITION



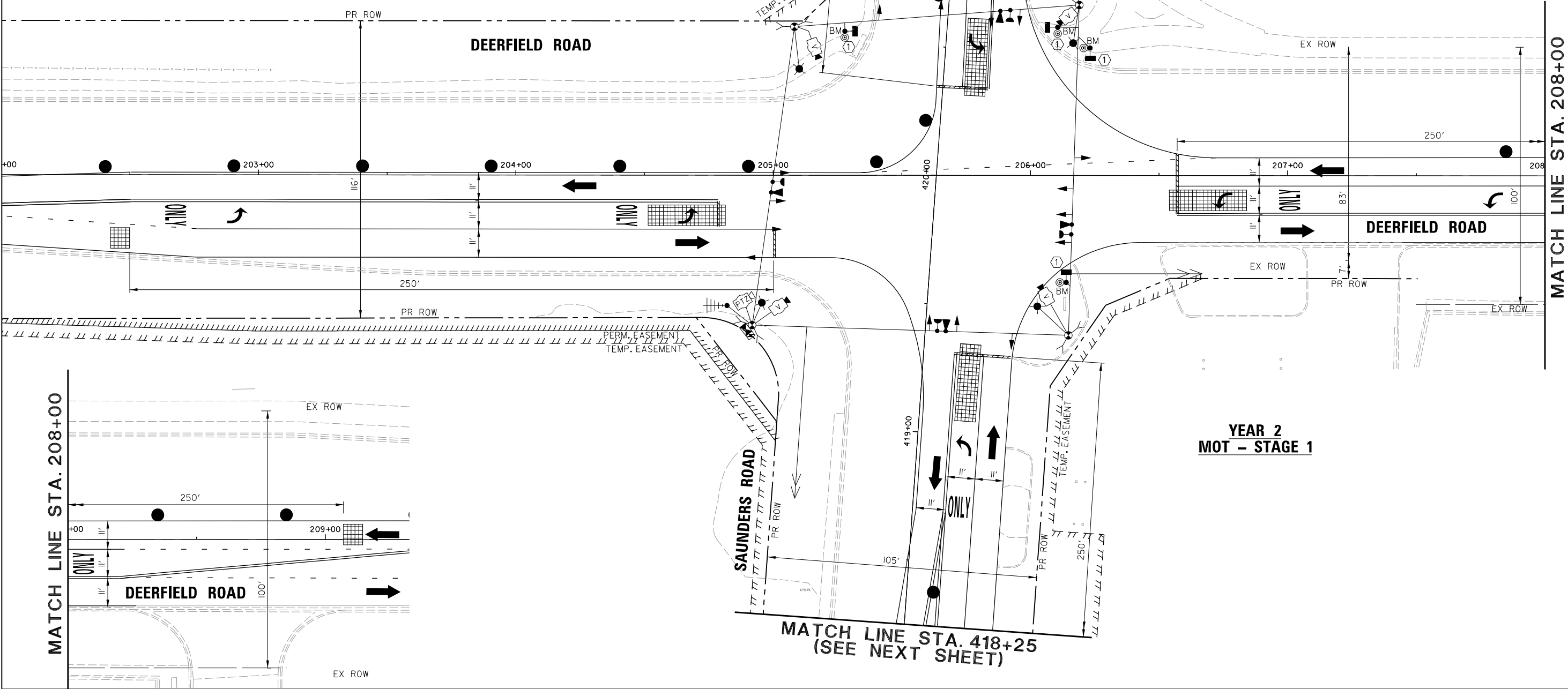
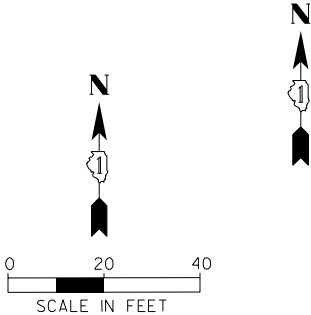
(SEE PREVIOUS SHEET)
MATCH LINE STA. 208+00



FILE NAME = N:\CDDOT\190304.0003A\Traffic\SAUNDERS.TS2_REM.190304.0003A.dgn default	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD	SCALE: 1" = 20'	SHEET OF SHEETS	STA. TO STA.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						1257	15-00038-07-WR	LAKE	1090	477
		PLOT SCALE = 28'	REVISED -						CONTRACT NO. 6IK62				
		PLOT DATE = 8/7/2026	REVISED -						ILLINOIS FED. AID PROJECT				

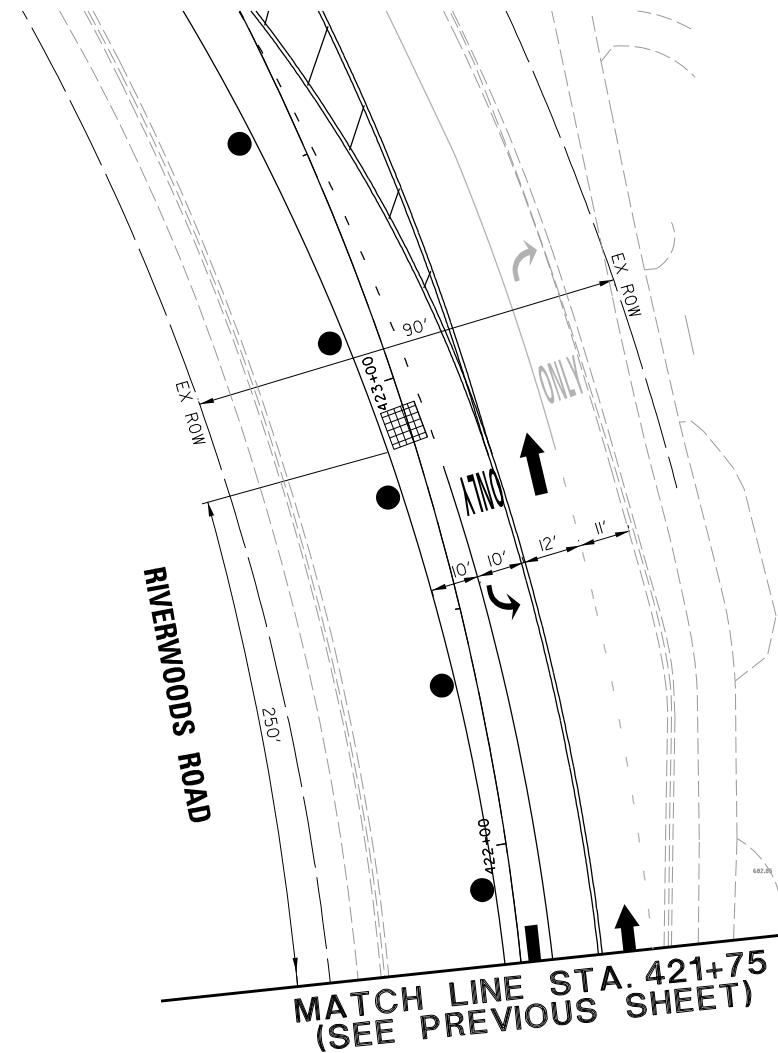
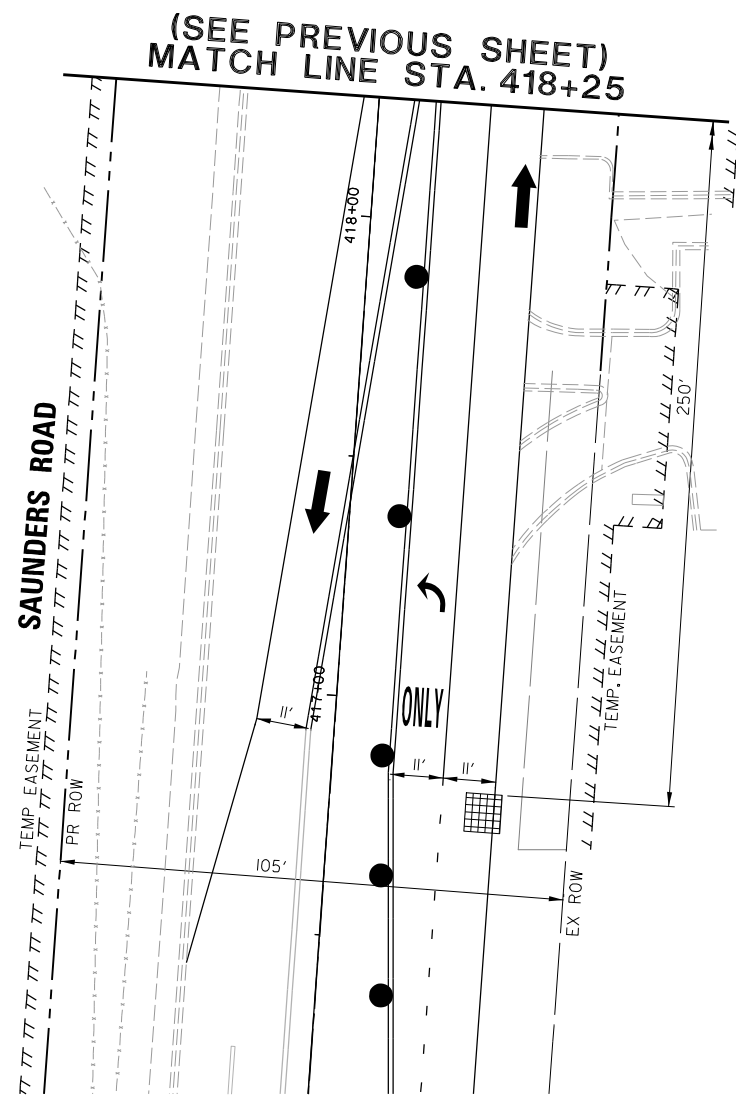
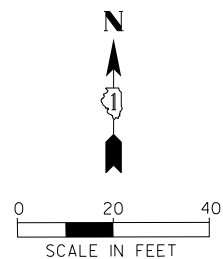
CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON DUE TO THE CROSSWALK CLOSURES AND INSTALL SIDEWALK CLOSED SIGNS.



YEAR 2
MOT – STAGE 1

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 2 – STAGE 1 (SHEET 1 OF 2) DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\SAUNDERS	TS3_YR2_MOT_Stage 1.dgn	DRAWN -	REVISED -		1257	15-00038-07-WR	LAKE	1090	478					
default	PLOT SCALE = 20'	CHECKED -	REVISED -		SCALE: 1" = 20'					CONTRACT NO. 61K62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -		SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT			



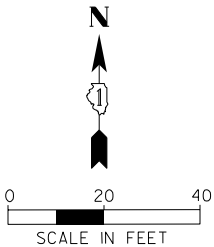
MOT – YEAR 2, STAGE 1

FILE NAME = N:\CDDOT\190304.0003A\Traffic\SAUNDERS.TS4_YR2_MOT_Stage 1.2.dgn default	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 2 – STAGE 1 (SHEET 2 OF 2) DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						1257	I5-00038-07-WR	LAKE	1090	479
	PLOT SCALE = 20'	CHECKED -	REVISED -						CONTRACT NO. 6IK62				
	PLOT DATE = 8/7/2026	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
				SCALE: 1" = 20'		SHEET	OF	SHEETS	STA.	TO STA.			

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON DUE TO THE CROSSWALK CLOSURES AND INSTALL SIDEWALK CLOSED SIGNS.
- ② THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN ARROW SIGNAL HEADS.

SIGN (A)
LEFT ON
GREEN
ARROW
ONLY
RIO-5
30" x 36"
4-REQUIRED



(SEE NEXT SHEET)
MATCH LINE STA. 421+75

RIVERWOODS ROAD

DEERFIELD ROAD

DEERFIELD ROAD

MATCH LINE STA. 208+00

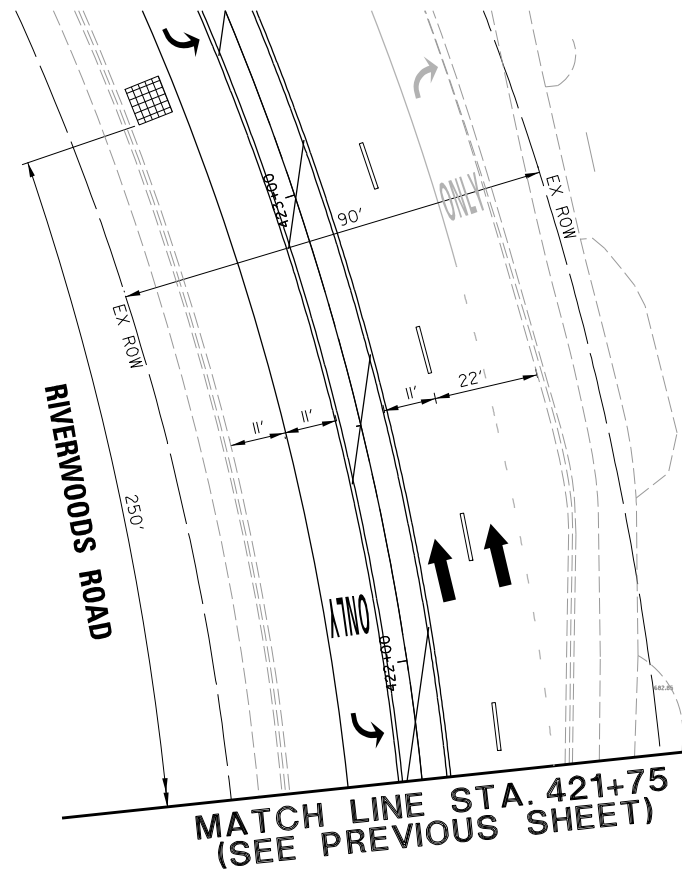
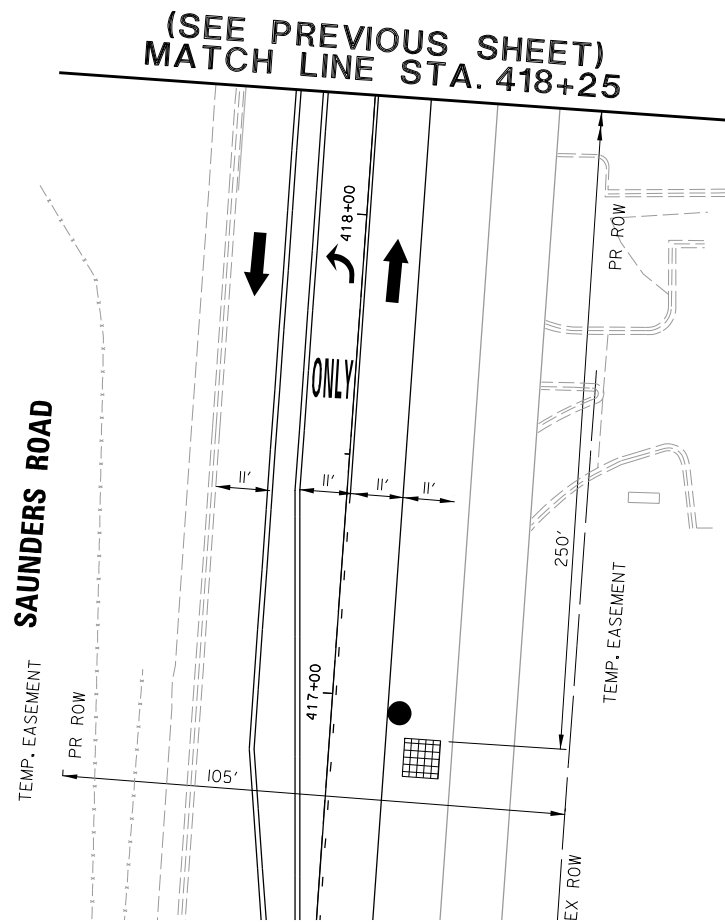
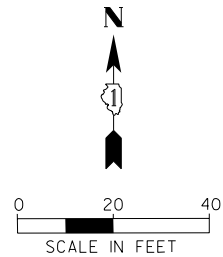
YEAR 2
MOT - STAGE 2

MATCH LINE STA. 418+25
(SEE NEXT SHEET)

SAUNDERS ROAD

MATCH LINE STA. 208+00

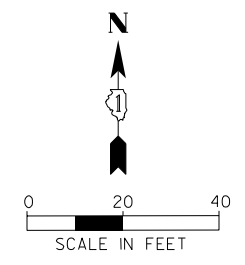
FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 2 – STAGE 2 (SHEET 1 OF 2) DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\L\CDOT\190304.0003A\Traffic\SAUNDERS	TS5_YR2_MOT_Stage 2.dgn	DRAWN -	REVISED -		1257	15-00038-07-WR	LAKE	1090	480				
default	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 61K62								
	PLOT DATE = 8/7/2026	DATE -	REVISED -										
					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.			
									ILLINOIS FED. AID PROJECT				



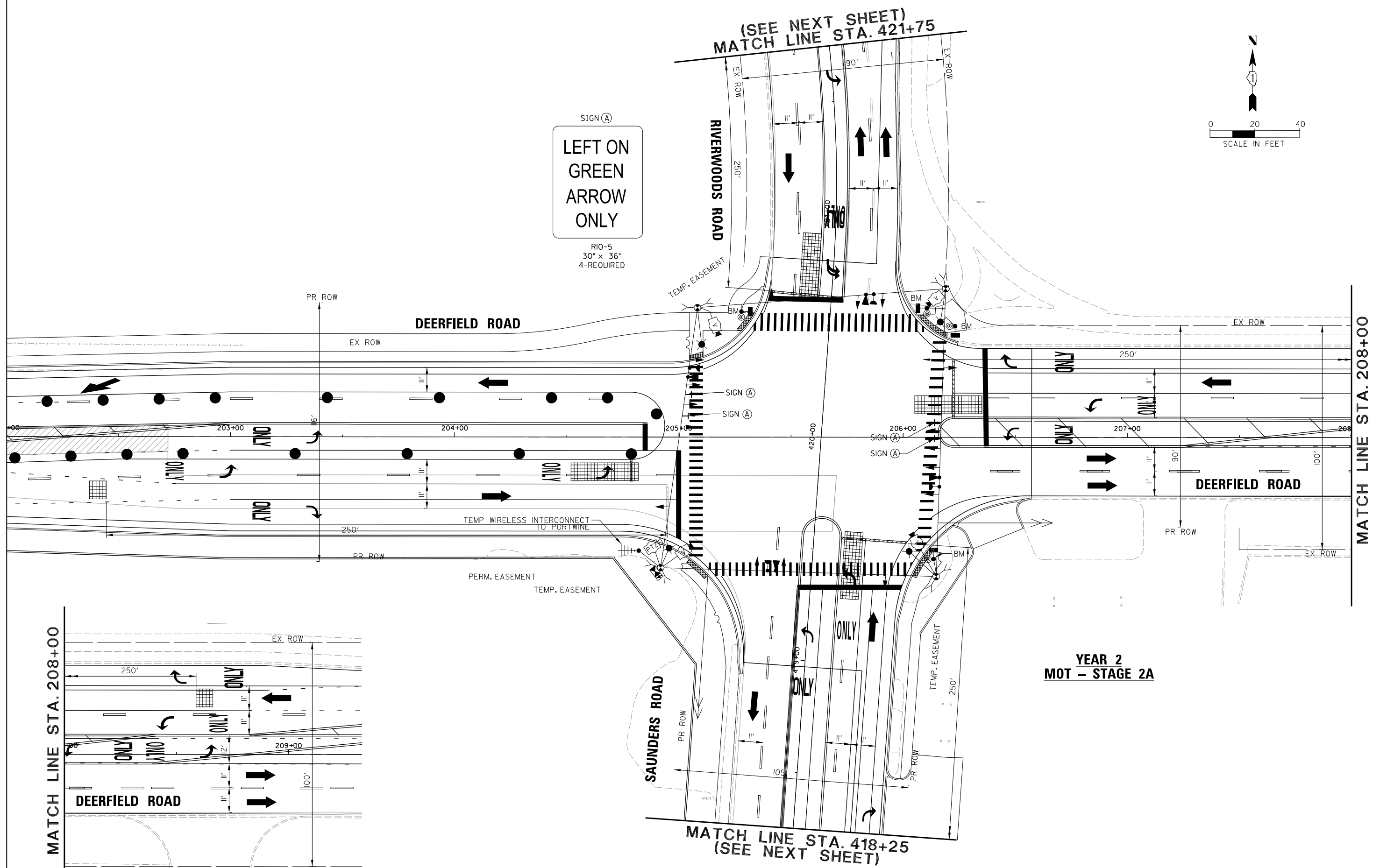
MOT – YEAR 2, STAGE 2

FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 2 – STAGE 2 (SHEET 2 OF 2) DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\SAUNDERS	TS6_YR2_MOT_Stage 2.2.dgn	DRAWN -	REVISED -		1257	15-00038-07-WR	LAKE	1090	481					
default	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 61K62									
	PLOT DATE = 8/7/2026	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									
					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.				

(SEE NEXT SHEET)
MATCH LINE STA. 421+75

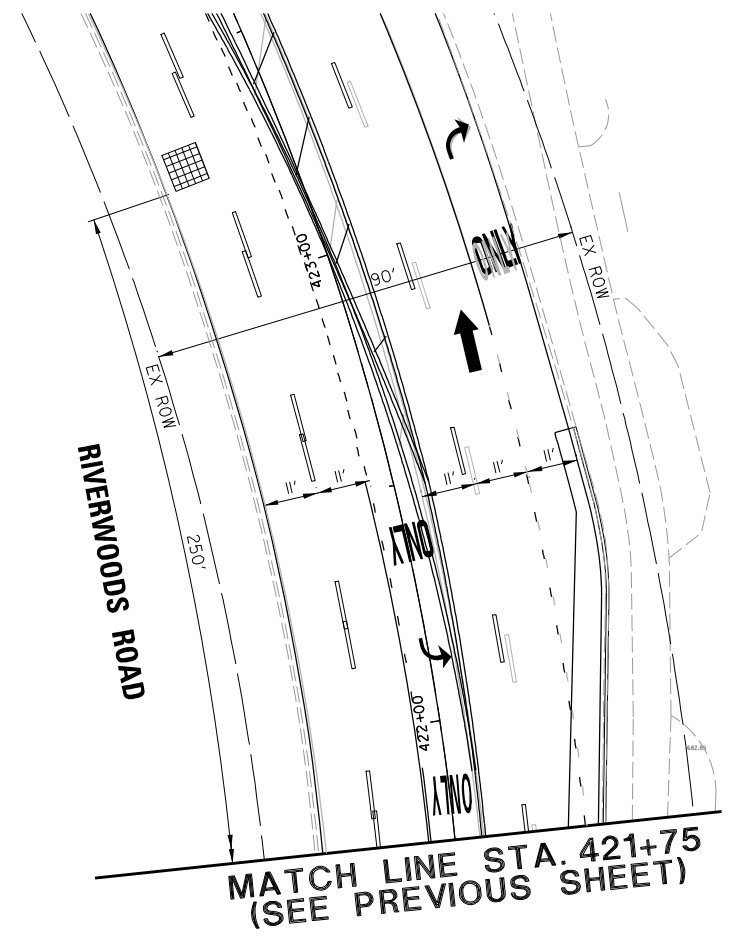
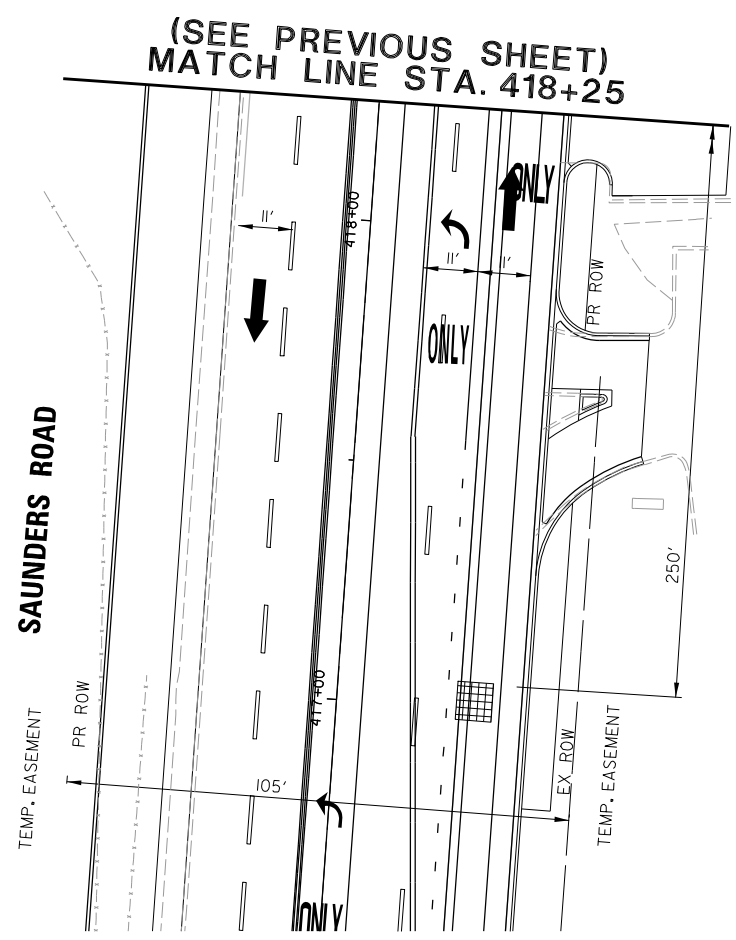
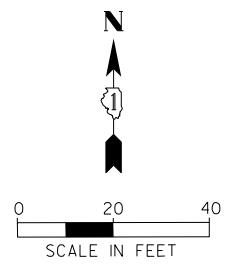


SIGN (A)
**LEFT ON
GREEN
ARROW
ONLY**
RIO-5
30" x 36"
4-REQUIRED



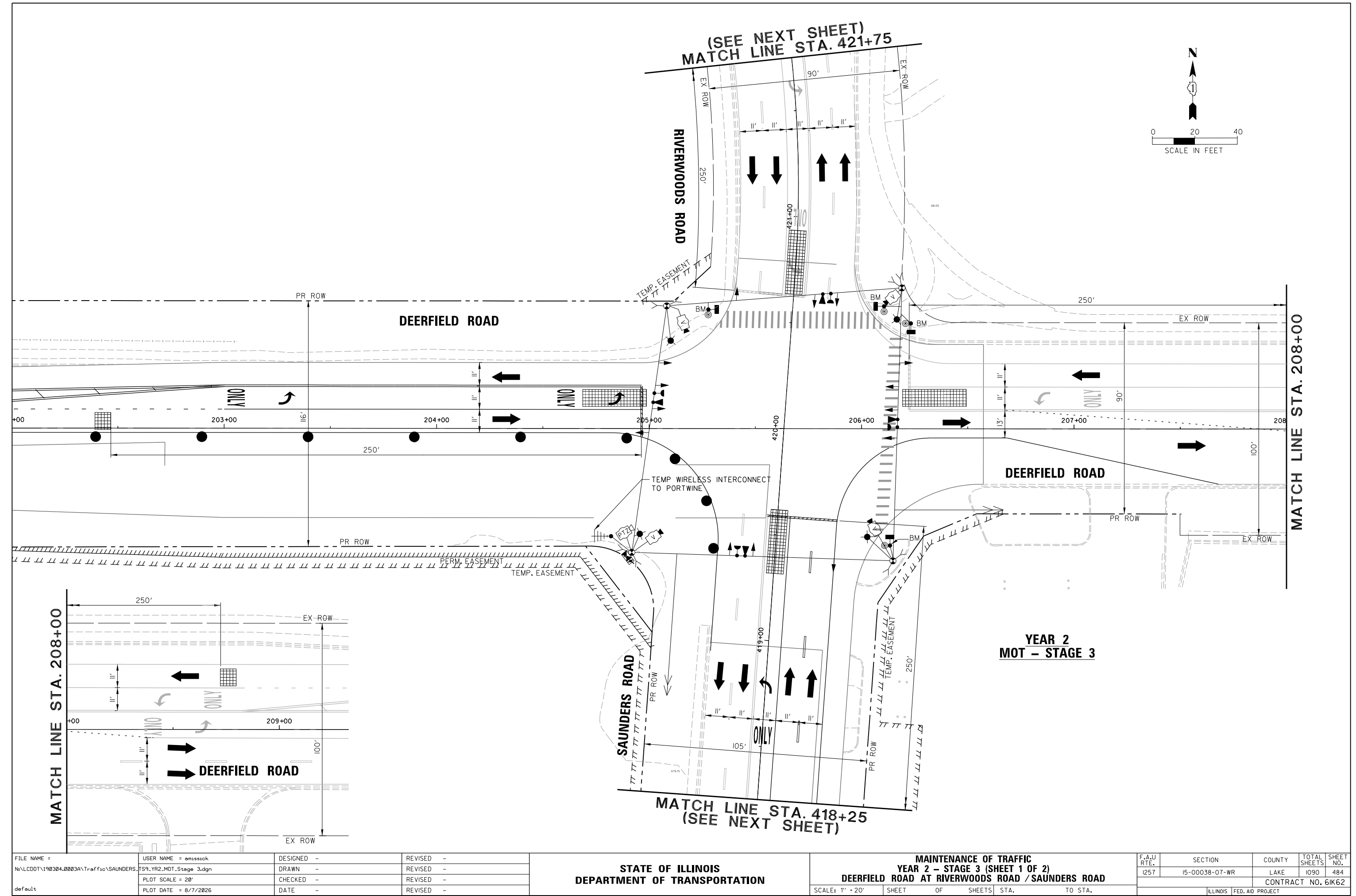
**YEAR 2
MOT - STAGE 2A**

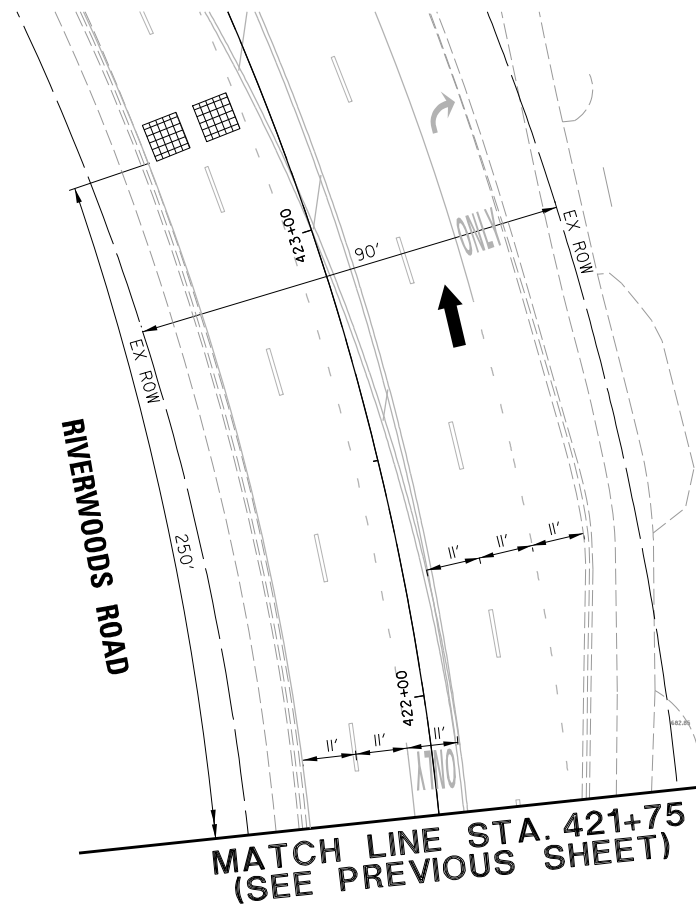
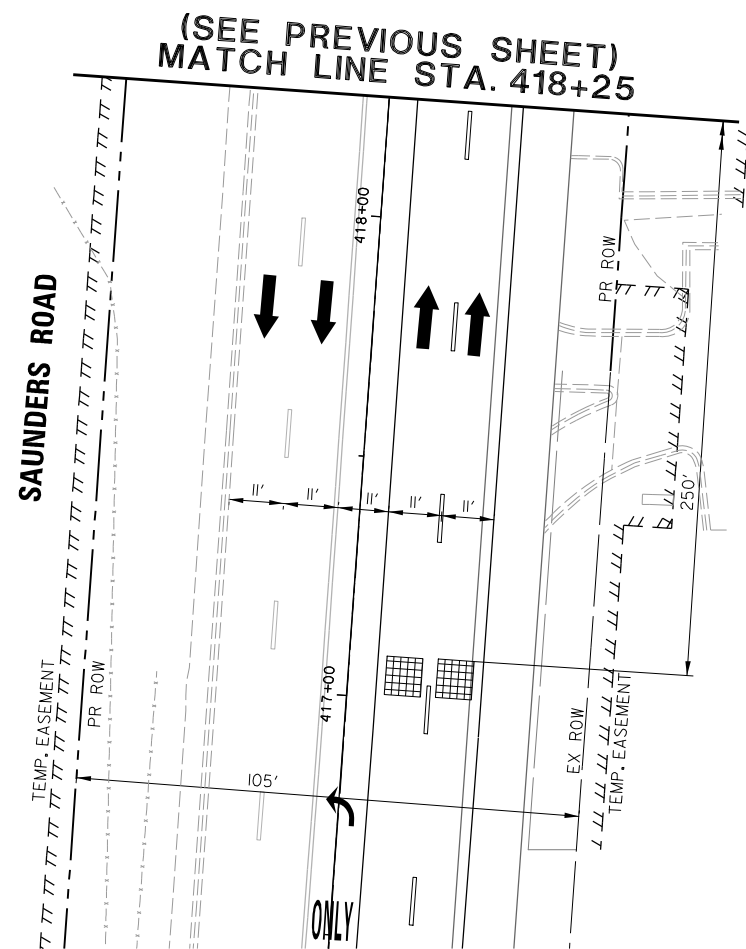
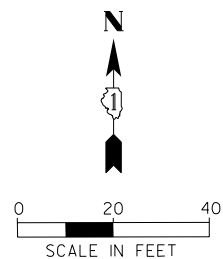
FILE NAME =		USER NAME = omisick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MAINTENANCE OF TRAFFIC YEAR 2 - STAGE 2A (SHEET 1 OF 2) DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\SAUNDERS		TS7_YR2_MOT_Stage 2a.dgn	DRAWN -	REVISED -			SCALE: 1" = 20'				I257	I5-00038-07-WR	LAKE	1090	482
default		PLOT SCALE = 28'	CHECKED -	REVISED -			SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61K62				
		PLOT DATE = 8/7/2026	DATE -	REVISED -							ILLINOIS FED. AID PROJECT				



MOT – YEAR 2, STAGE 2A

FILE NAME =	USER NAME = amissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 2 – STAGE 2A (SHEET 2 OF 2) DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\SAUNDERS.TSB_YR2_MOT_Stage 2a.2.dgn	TSB_YR2_MOT_Stage 2a.2.dgn	DRAWN -	REVISED -		1257	15-00038-07-WR	LAKE	1090	483				
	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 61K62								
default	PLOT DATE = 8/7/2026	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.			





MOT – YEAR 2, STAGE 3

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC YEAR 2 – STAGE 3 (SHEET 2 OF 2) DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\LCDOT\190304.0003A\Traffic\SAUNDERS.TS10_YR2_MOT_Stage 3.2.dgn		DRAWN -	REVISED -		1257	15-00038-07-WR	LAKE	1090	485					
	PLOT SCALE = 20'	CHECKED -	REVISED -							CONTRACT NO. 61K62				
default	PLOT DATE = 8/7/2026	DATE -	REVISED -							ILLINOIS FED. AID PROJECT				
					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.				

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL ENERGIZE AND UNBAG THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON, OR AS DIRECTED BY THE ENGINEER.

(SEE NEXT SHEET)
MATCH LINE STA. 421+75



RIVERWOODS ROAD

DEERFIELD ROAD

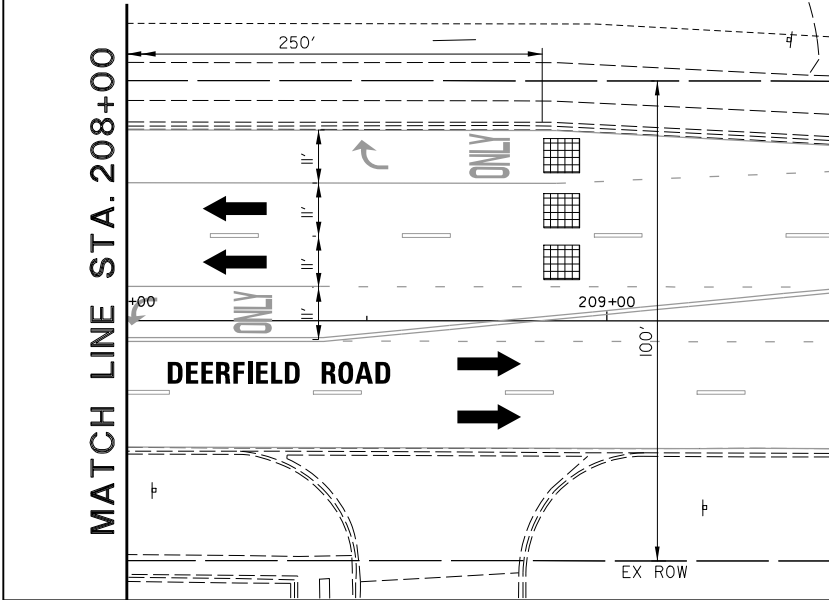
DEERFIELD ROAD

MATCH LINE STA. 208+00

MOT – FINAL CONDITION

MATCH LINE STA. 418+25
(SEE NEXT SHEET)

MATCH LINE STA. 208+00



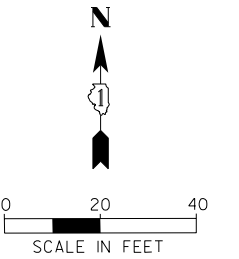
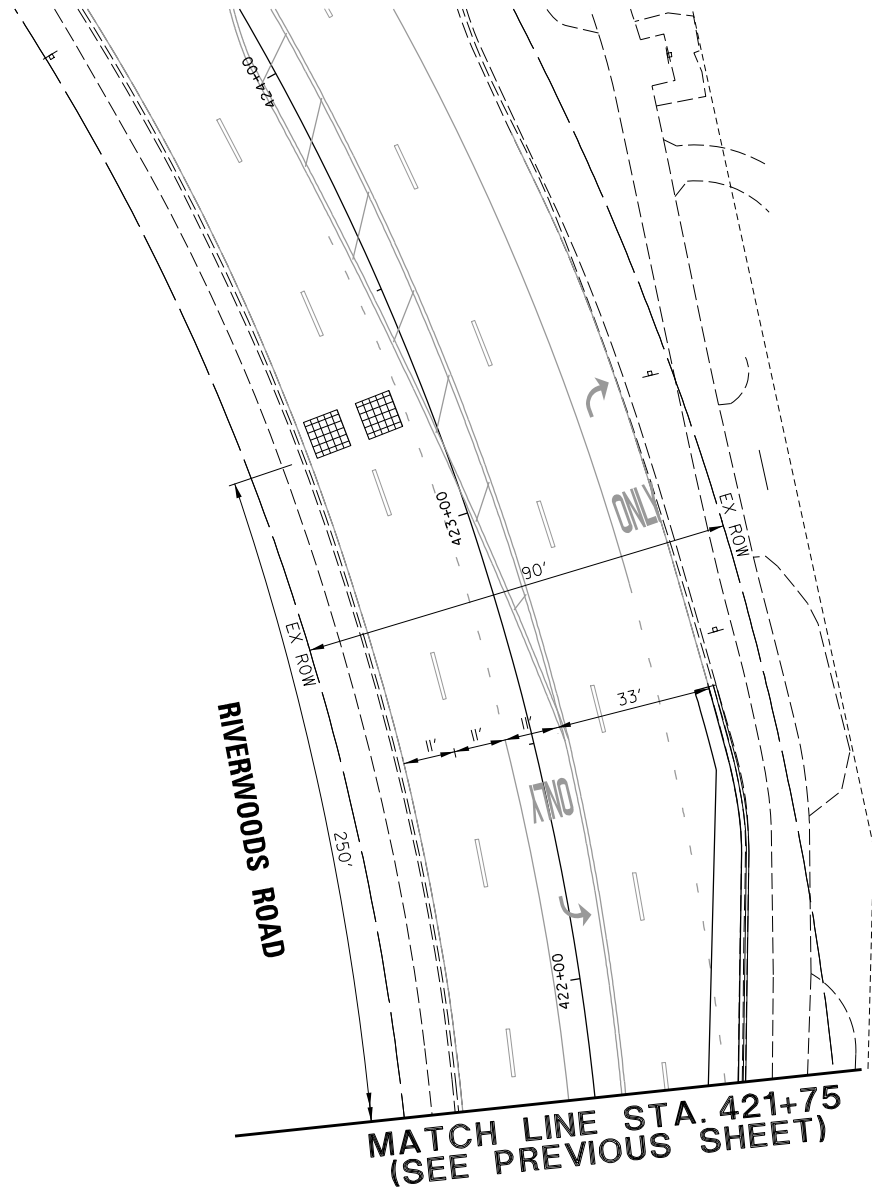
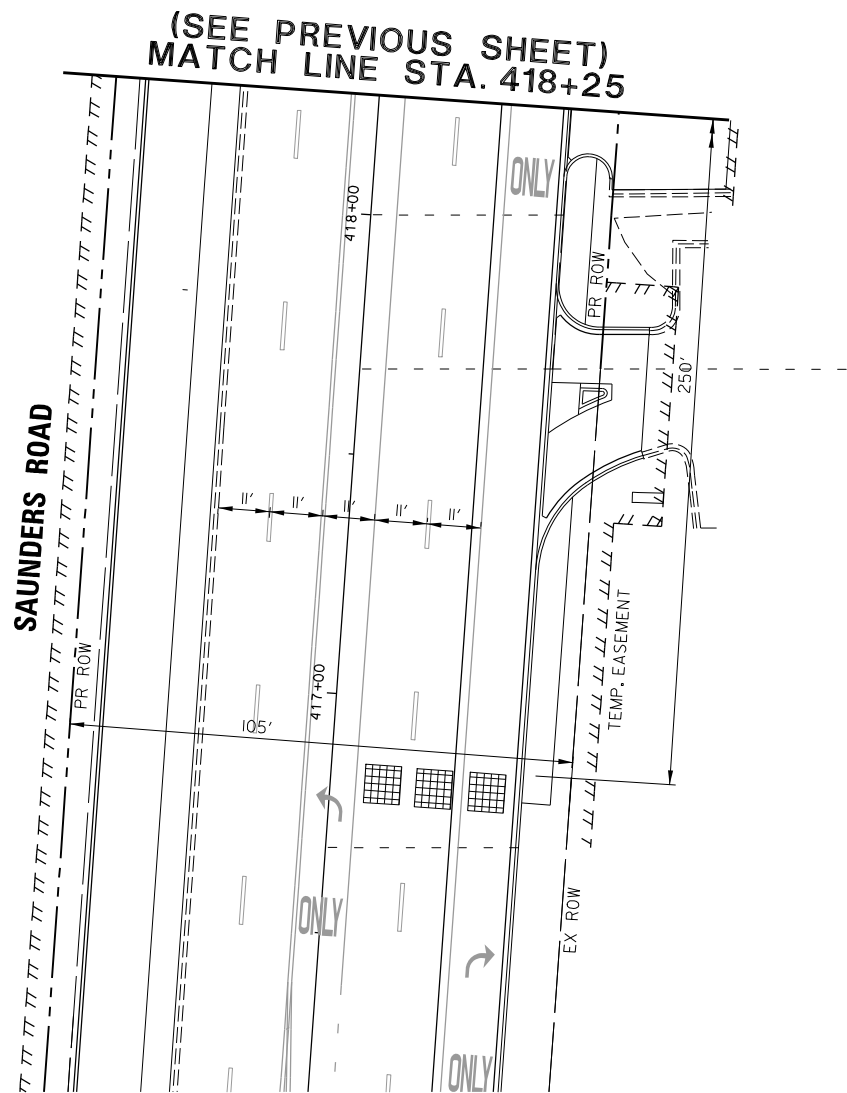
FILE NAME =	USER NAME = omisick	DESIGNED -	REVISED -
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default	PLOT SCALE = 20'	CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
FINAL CONDITION
DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD

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

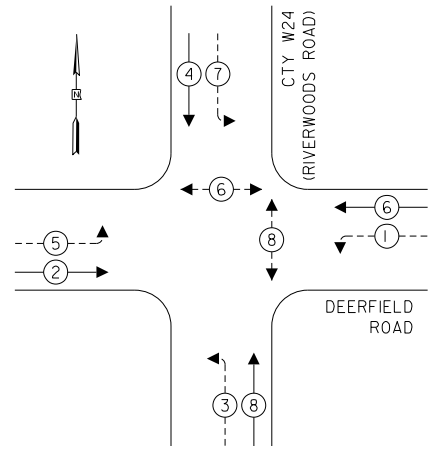
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	486
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				



MOT – FINAL CONDITION

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC				F.A.U	SECTION	COUNTY	TOTAL	SHEET
N:\LCDOT\190304.0003A\Traffic\SAUNDERS	TS12.MOT FINAL.190304.0003A.dgn	DRAWN -	REVISED -		FINAL CONDITION				RTE.			SHEETS	NO.
	PLOT SCALE = 20'	CHECKED -	REVISED -		DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD				1257	15-00038-07-WR	LAKE	1090	487
default	PLOT DATE = 8/7/2026	DATE -	REVISED -						CONTRACT NO. 61K62				
					SCALE: 1" = 20'				SHEET	OF	SHEETS	STA.	TO STA.
									ILLINOIS FED. AID PROJECT				

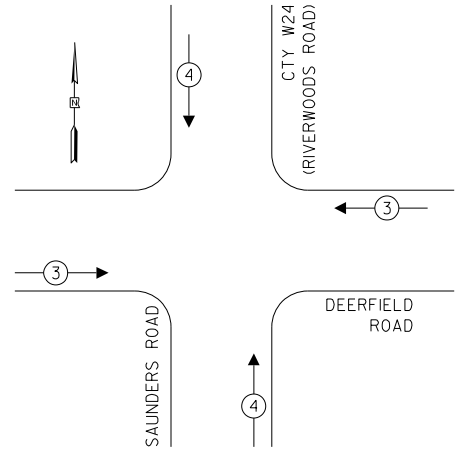
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←(*)→ PROTECTED PHASE
←(*)--- PROTECTED/PERMITTED PHASE
←(*)→ PEDESTRIAN PHASE
←(*) OL OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↑↓

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	10	32.0
(GREEN)	16	12	40	76.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
TOTAL =				897.8

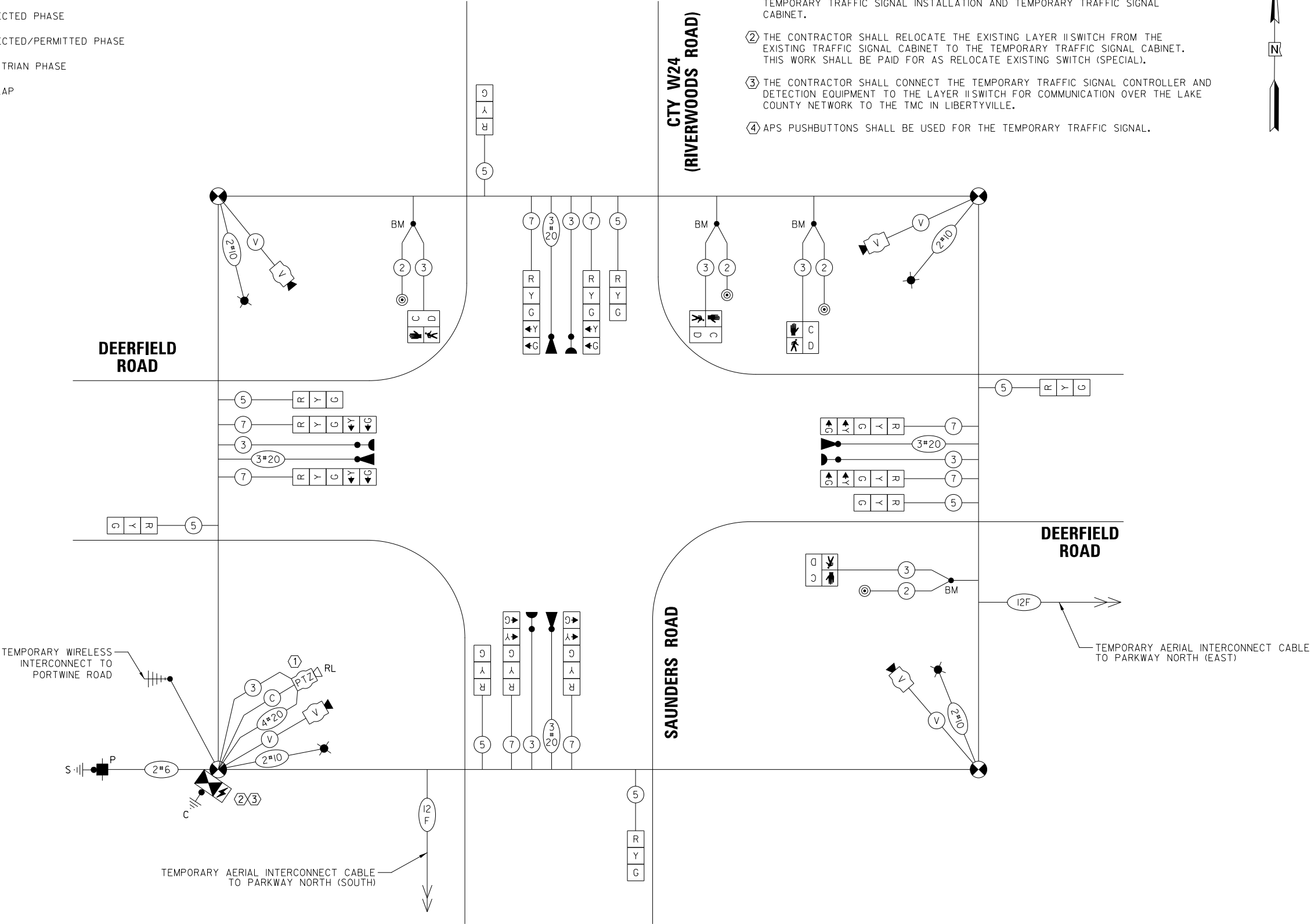
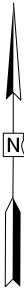
ENERGY COSTS TO:

LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, AND WIRELESS ANTENNA FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND TEMPORARY TRAFFIC SIGNAL CABINET.
- ② THE CONTRACTOR SHALL RELOCATE THE EXISTING LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL CABINET TO THE TEMPORARY TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR AS RELOCATE EXISTING SWITCH (SPECIAL).
- ③ THE CONTRACTOR SHALL CONNECT THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AND DETECTION EQUIPMENT TO THE LAYER II SWITCH FOR COMMUNICATION OVER THE LAKE COUNTY NETWORK TO THE TMC IN LIBERTYVILLE.
- ④ APS PUSHBUTTONS SHALL BE USED FOR THE TEMPORARY TRAFFIC SIGNAL.



YEAR 2 MOT EXISTING CONDITION

TEMPORARY CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

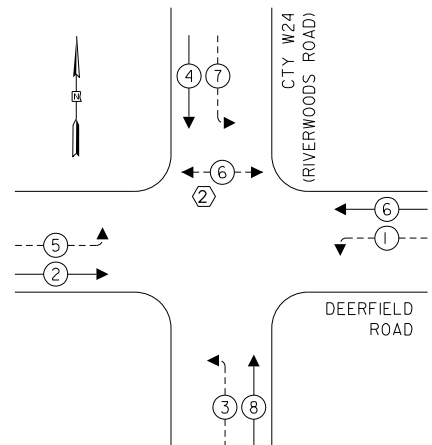
MAINTENANCE OF TRAFFIC
TEMPORARY CABLE PLAN
DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	I5-00038-07-WR	LAKE	1090	488
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

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

FILE NAME =	USER NAME = omissick	DESIGNED -	REVISED -
N:\LCDOT\190304.0003A\Traffic\SAUNDERS-TS13-TCB1-190304.0003A.dgn		DRAWN -	REVISED -
default		CHECKED -	REVISED -
		DATE -	REVISED -

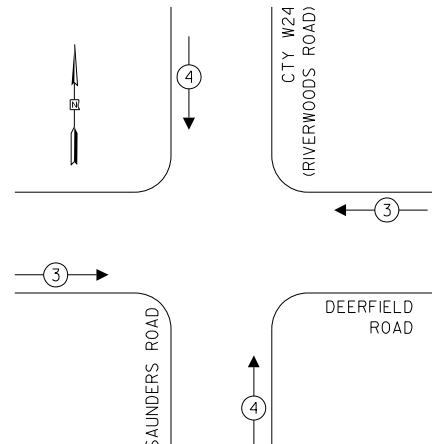
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←[*] PROTECTED PHASE
- ←[*]--- PROTECTED/PERMITTED PHASE
- ←[*]→ PEDESTRIAN PHASE
- ←[*] OL OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↑↓

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	10	24.0
(GREEN)	12	12	40	57.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
TOTAL =				848.6

ENERGY COSTS TO:

LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = omissick
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default	PLOT SCALE = 28'
	PLOT DATE = 8/7/2026

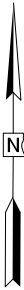
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CTY W24
(RIVERWOODS ROAD)

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON DUE TO THE CROSSWALK CLOSURES AND INSTALL SIDEWALK CLOSED SIGNS DURING MOT PRE-STAGE.
- THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON DUE TO THE CROSSWALK CLOSURES AND INSTALL SIDEWALK CLOSED SIGNS DURING MOT STAGE 1.



DEERFIELD
ROAD

SAUNDERS ROAD

DEERFIELD
ROAD

TEMPORARY WIRELESS
INTERCONNECT TO
PORTWINE ROAD

TEMPORARY AERIAL INTERCONNECT CABLE
TO PARKWAY NORTH (SOUTH)

TEMPORARY AERIAL INTERCONNECT CABLE
TO PARKWAY NORTH (EAST)

YEAR 2 MOT – PRE-STAGE AND STAGE 1

TEMPORARY CABLE PLAN

(NOT TO SCALE)

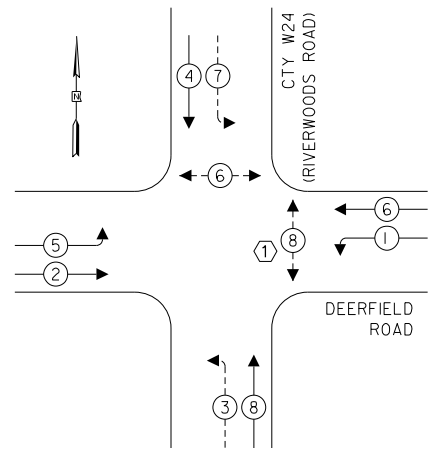
LEGEND:

[Hatched Box] = BAGGED AND DISABLED

MAINTENANCE OF TRAFFIC TEMPORARY CABLE PLAN DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	489
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE



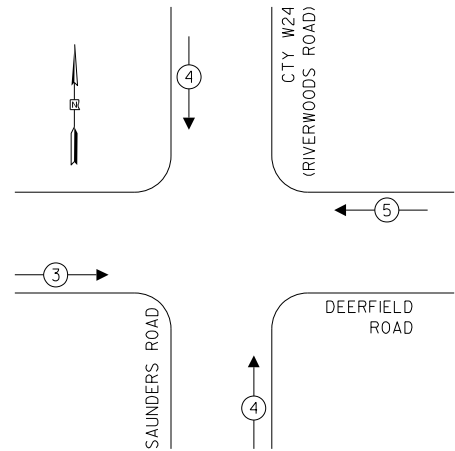
LEGEND:

- ←(*) PROTECTED PHASE
- ←(---*) PROTECTED/PERMITTED PHASE
- ←(---*)→ PEDESTRIAN PHASE
- ←(---*) OL OVERLAP

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON DUE TO THE CROSSWALK CLOSURES AND INSTALL SIDEWALK CLOSED SIGNS DURING MOT STAGE 2. THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON SHALL BE UNBAGGED AND ACTIVATED DURING MOT STAGE 2A.
- THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN ARROW SIGNAL HEADS.

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	↕	←

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	10	24.0
(GREEN)	12	12	40	57.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
TOTAL =				848.6

ENERGY COSTS TO:

LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = omissick
N:\LCDOT\190304.0003A\Traffic\SAUNDERS-TS15-TCB3.190304.0003A.dgn	
default	PLOT SCALE = 28'
	PLOT DATE = 8/7/2026

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CTY W24
(RIVERWOODS ROAD)

DEERFIELD
ROAD

SAUNDERS ROAD

DEERFIELD
ROAD

YEAR 2 MOT – STAGE 2,
YEAR 2 MOT – STAGE 2A
TEMPORARY CABLE PLAN

(NOT TO SCALE)

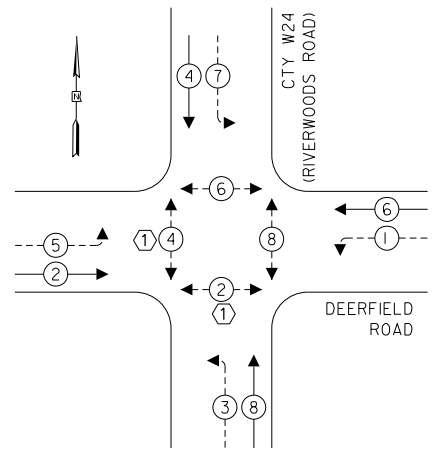
LEGEND:

▨ = BAGGED AND DISABLED



LEGEND:
▨ = BAGGED AND DISABLED

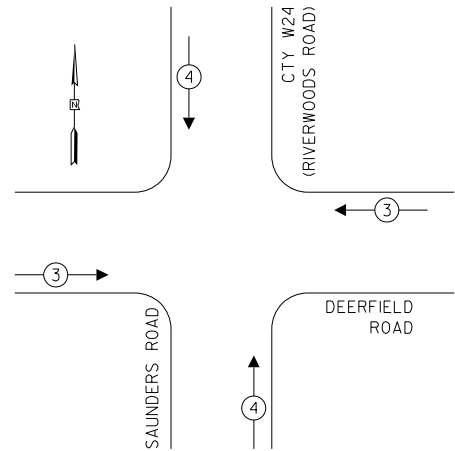
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ←(*) PROTECTED PHASE
- ←(---*) PROTECTED/PERMITTED PHASE
- ←(---*)→ PEDESTRIAN PHASE
- ←(---*) OL OVERLAP

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↑↓

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	10	24.0
(GREEN)	12	12	40	57.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	165	50	330.0
TOTAL =				928.6

ENERGY COSTS TO:

LAKE COUNTY DIVISION OF TRANSPORTATION
600 W Winchester Road
Libertyville, IL 60048

ENERGY SUPPLY: CONTACT: XXX
PHONE: XXX
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = omissick
N:\LCDOT\190304.0003A\Traffic\SAUNDERS-TS16-TCB4.FINAL.190304.0003A.dgn	
default	PLOT SCALE = 28'
	PLOT DATE = 8/7/2026

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

YEAR 2 MOT – STAGE 3
YEAR 2 MOT – FINAL CONDITION
TEMPORARY CABLE PLAN
(NOT TO SCALE)

CTY W24
(RIVERWOODS ROAD)

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON DUE TO THE CROSSWALK CLOSURES AND INSTALL SIDEWALK CLOSED SIGNS DURING MOT STAGE 3. PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON SHALL BE UNBAGGED AND ACTIVATED DURING MOT FINAL CONDITION.



DEERFIELD
ROAD

DEERFIELD
ROAD

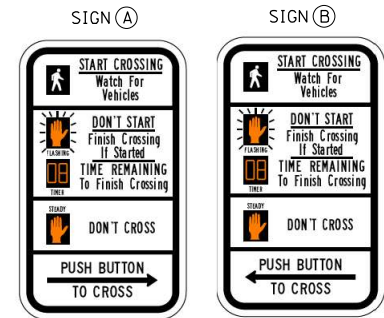
SAUNDERS ROAD

LEGEND:

▨ = BAGGED AND DISABLED

DEERFIELD ROAD				
ITEM	STATIONING	OFFSET	ELEV. OF FDN	POSSIBLE UTILITY CONFLICT
MA1	205+03.20	42.01' LT	679.37	-
MA2	206+21.3	61.29' LT	681.16	GAS (NICOR)
MA3	206+28.37	46.60' LT	681.19	GAS (NICOR), FIBER OPTIC
MA4	206+17.53	53.99' RT	680.31	-
MA5	205+16.48	80.92' RT	680.01	-
MA6	205+00.25	58.00' RT	679.34	-
P1	205+28.99	56.51' LT	679.92	-
P2	206+10.85	55.97' LT	680.92	-
P3	206+20.57	48.52' LT	680.95	-
P4	206+10.52	64.74' RT	680.14	-
P5	205+08.05	66.54' RT	679.34	-
H1	205+16.49	58.19' LT	679.56	-
H2	206+07.03	58.59' LT	681.17	-
H3	206+17.99	59.02' RT	680.89	-
H4	204+97.19	66.30' RT	678.97	-
CI	204+93.77	69.62' RT	678.75	-
SI	204+82.31	55.12' RT	678.63	-

- ① LUMINAIRE ARMS SHALL BE 20 FEET IN LENGTH.
- ② ALL PUSHBUTTONS SHALL BE APS.



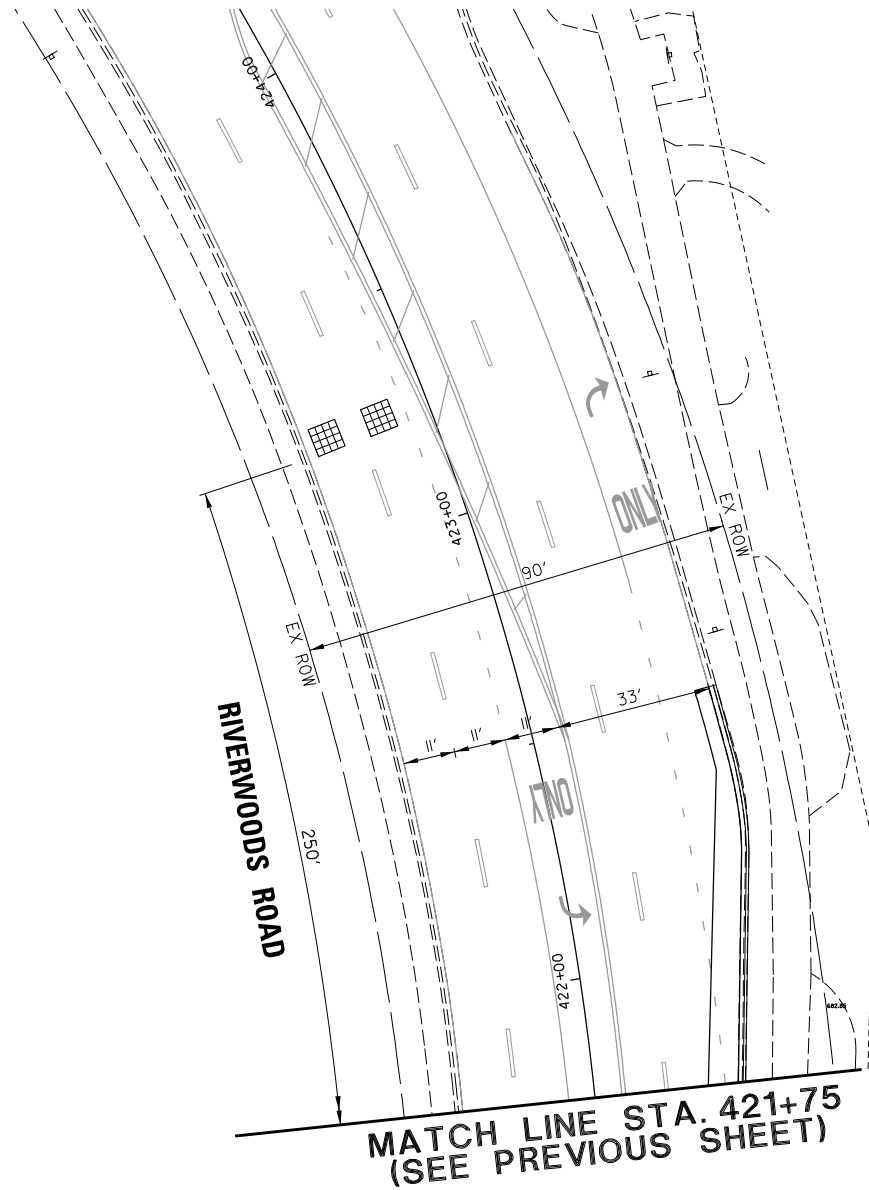
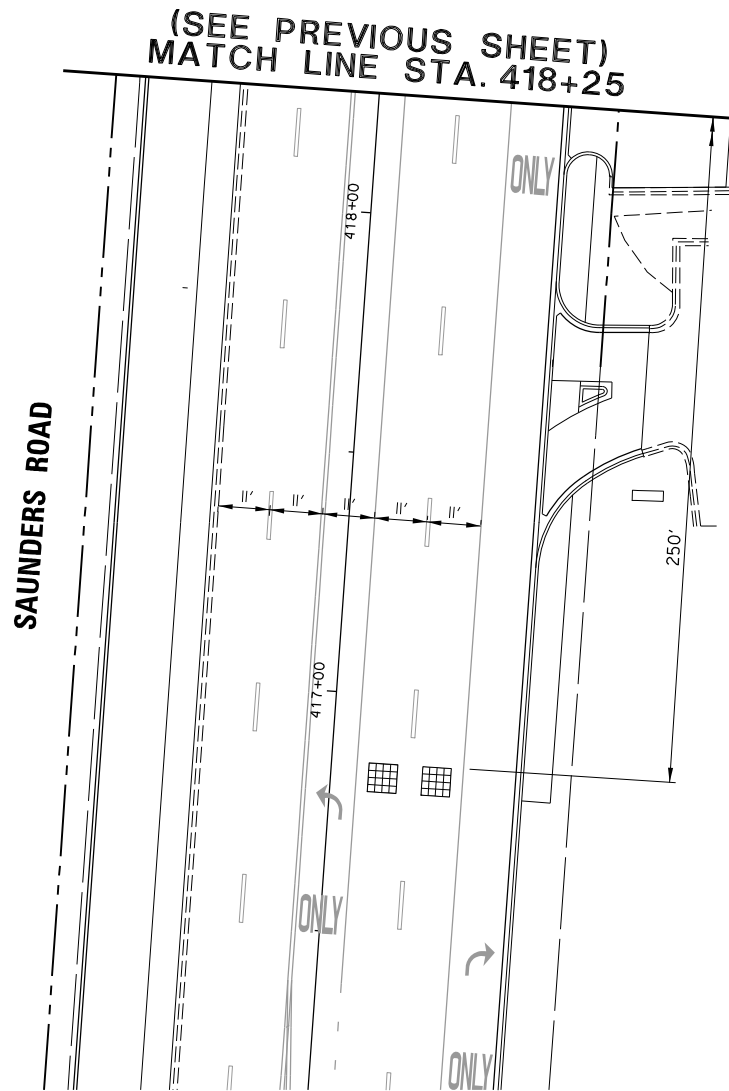
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT
FOR THIS INTERSECTION SHALL BE "ECONOLITE".

SIGN (C)



LEFT TURN
YIELD ON
FLASHING
YELLOW
ARROW

R10-12a
30" X 36"
8 - REQUIRED



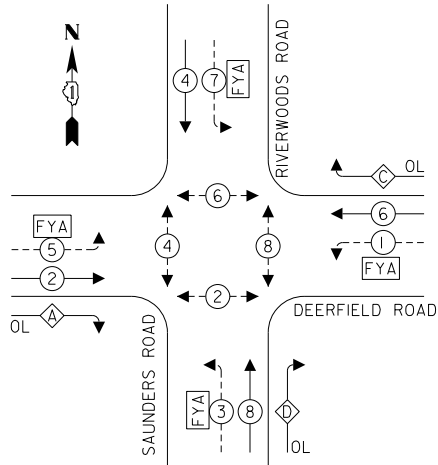
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default		CHECKED -	REVISED -
	PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2) DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD			
SCALE: 1" = 20'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	493
CONTRACT NO. 61K62				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



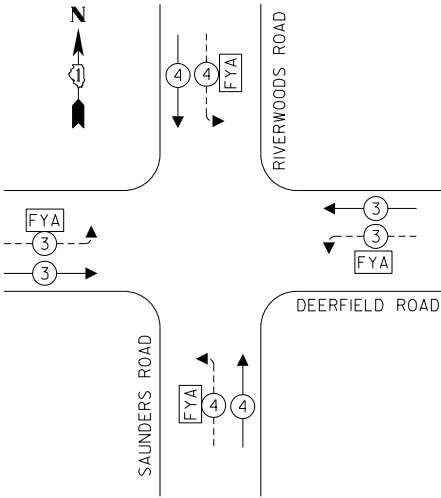
RIGHT TURN OVERLAP
PHASE DESIGNATION:

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

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP
- FLASHING YELLOW ARROW

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



CONSTRUCTION NOTES:

- LUMINAIRE ARMS SHALL BE 20 FEET IN LENGTH.
- ALL PUSHBUTTONS SHALL BE APS.

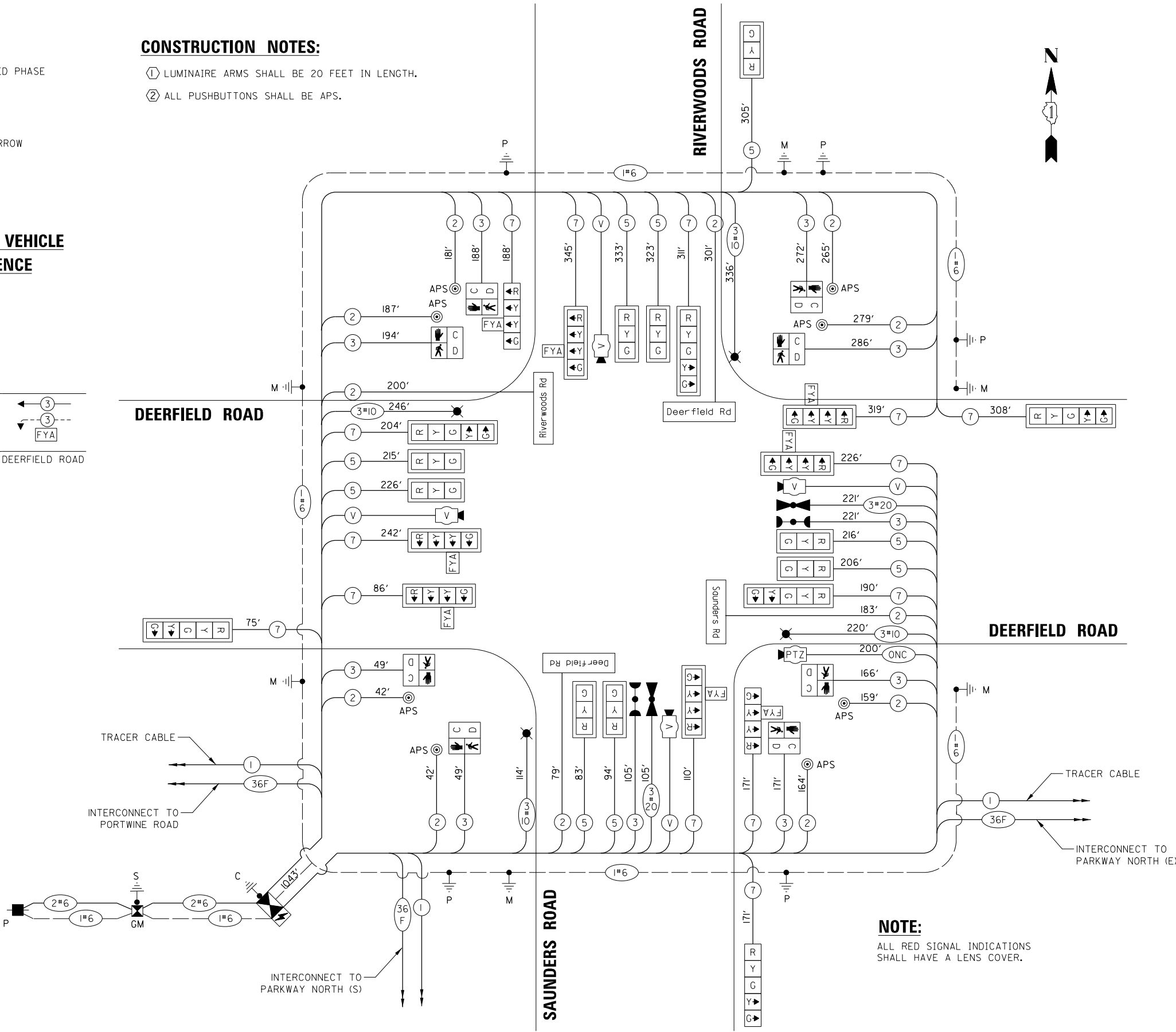
TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
SOLID ARROW (RED)	8	10	50	8.0
(GREEN & YELLOW)	28	10	10	28.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	4	165	50	330.0
PTZ	1	60	100	60.0
TOTAL =				1259.7

ENERGY COSTS TO:

LAKE COUNTY DIVISION OF TRANSPORTATION
18 N County Street
Waukegan, IL 60085
ENERGY SUPPLY: CONTACT: JAZZMINE WADE
PHONE: (847) 748-4315
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

CABLE PLAN
(NOT TO SCALE)



NOTE:

ALL RED SIGNAL INDICATIONS
SHALL HAVE A LENS COVER.

FILE NAME =	USER NAME = omisick
N:\CDDOT\190304.0003A\Traffic\SAUNDERS-TS19-CAB_190304.0003A.dgn	
PLOT SCALE = 20'	
PLOT DATE = 8/7/2026	

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

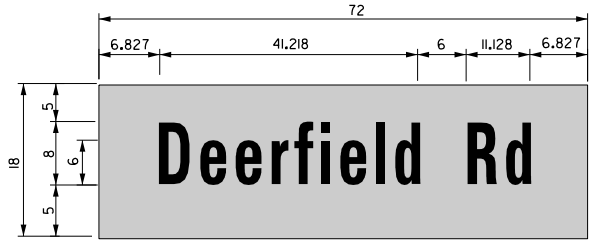
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
DEERFIELD ROAD AT RIVERWOODS ROAD / SAUNDERS ROAD

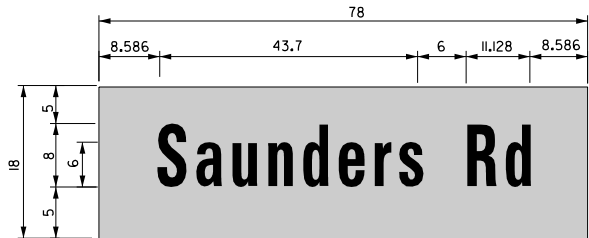
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	494
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

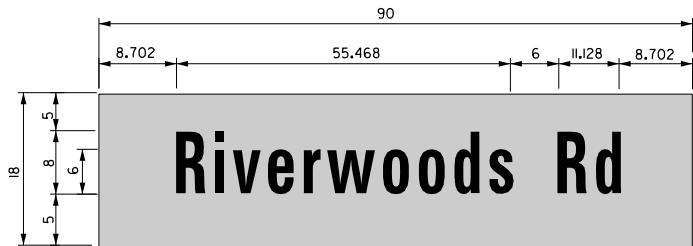
LED ILLUMINATED MAST ARM MOUNTED
STREET NAME SIGN



SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
72" x 18"	Deerfield Rd	2	D

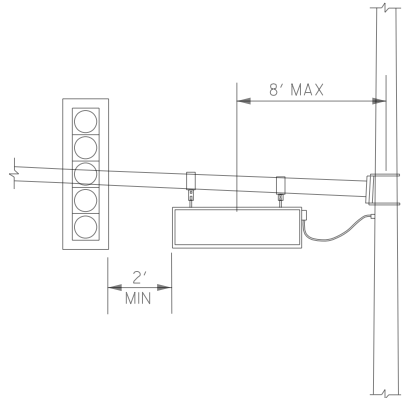


SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
78" x 18"	Saunders Rd	1	D



SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
90" x 18"	Riverwoods Rd	1	D

NOTE: THE LED ILLUMINATED STREET NAME SIGN SHALL BE PENDANT MOUNT.
FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE
DETAILS FOR ILLUMINATED STREET NAME SIGN.



PENDANT MOUNT
ILLUMINATED STREET NAME SIGN

NOTE: LED STREET NAME SIGN SHALL BE 2-SIDED AND
PENDANT MOUNT TO THE STEEL MAST ARM ASSEMBLY.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	60
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	47
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	34
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	88
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	474
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,093
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,711
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,896
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,956
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	55
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,162
CONCRETE FOUNDATION, TYPE A	FOOT	24
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	20
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	326
RELOCATE EXISTING SWITCH (SPECIAL)	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	200
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
LUMINAIRE, LED, SPECIAL	EACH	4
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. (SPECIAL)	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT. (SPECIAL)	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT. (SPECIAL)	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	20
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	2
ILLUMINATED STREET NAME SIGN	EACH	4
RELOCATE EXISTING PTZ CAMERA	EACH	1
RELOCATE EXISTING RADIO INTERCONNECT SYSTEM	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4

REMOVAL 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.

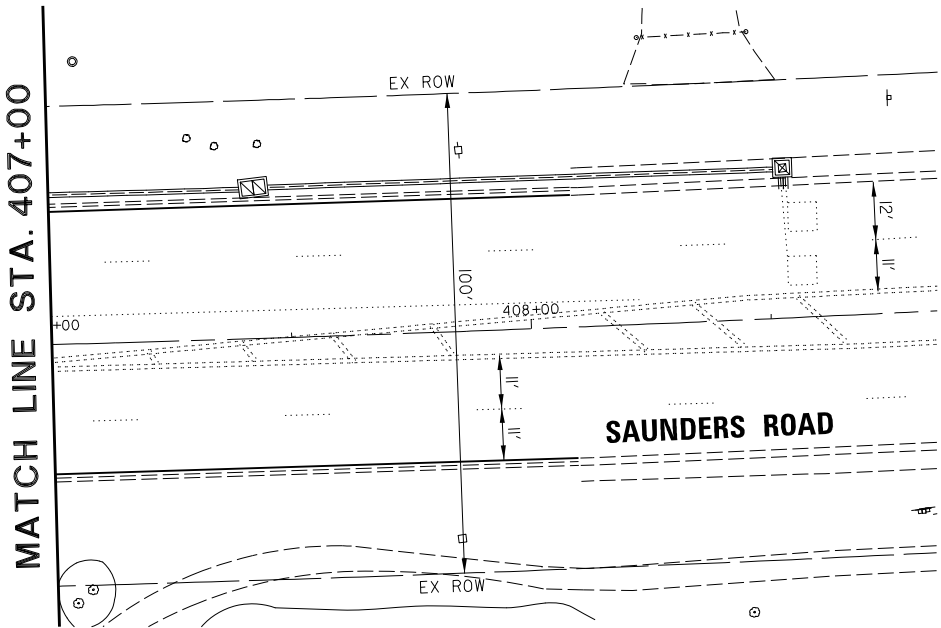
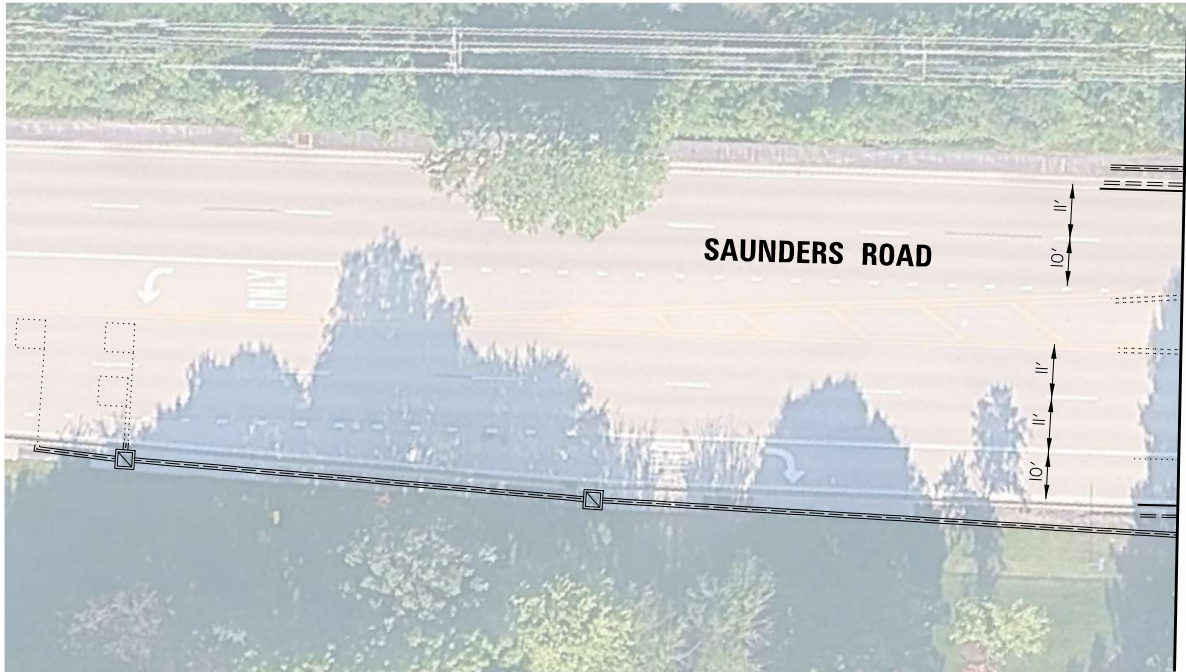
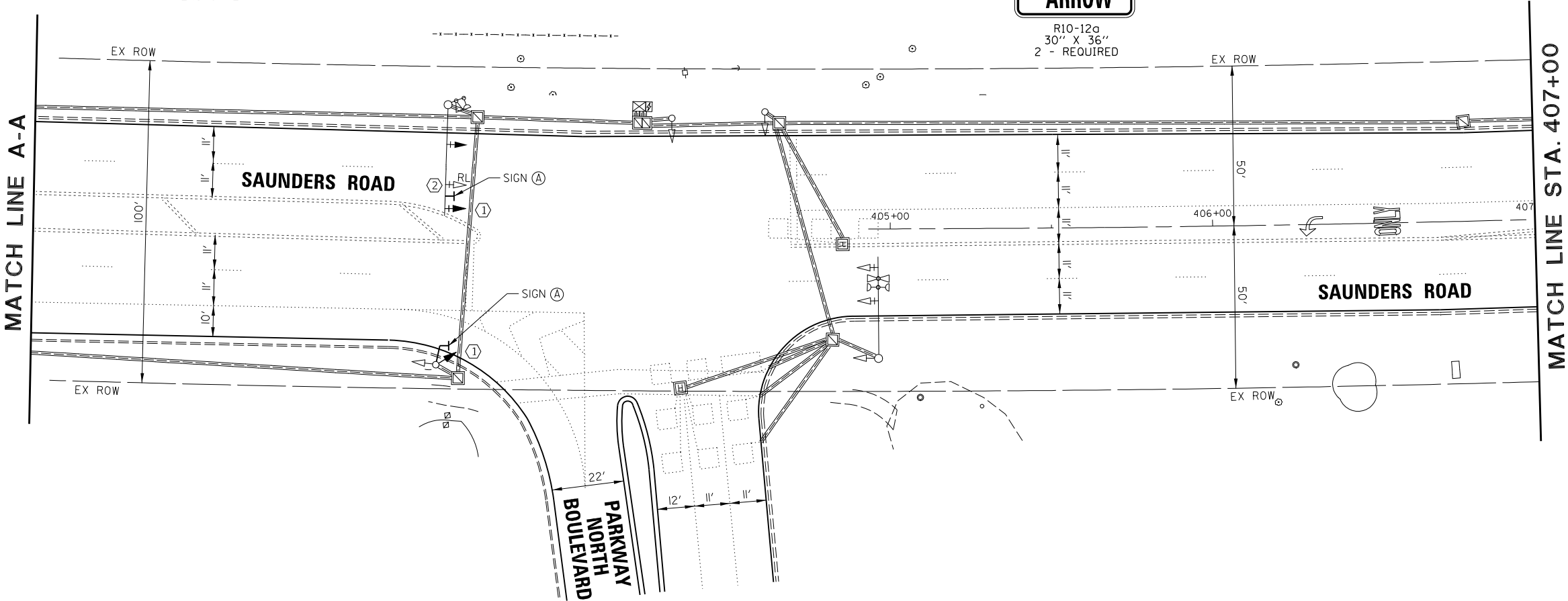
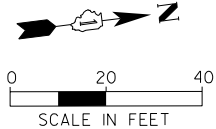
- 2 EACH 5-SECTION SIGNAL HEAD
- 1 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH LENS COVER

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL REMOVE THE 5-SECTION SIGNAL HEAD AND REPLACE WITH 4-SECTION LEFT TURN SIGNAL HEAD WITH FLASHING YELLOW ARROW UTILIZING EXISTING CABLES.
- 2 CONTRACTOR SHALL RELOCATE THE EXISTING SIGNAL HEAD CENTERED OVER THE LANE



R10-12a
30" X 36"
2 - REQUIRED



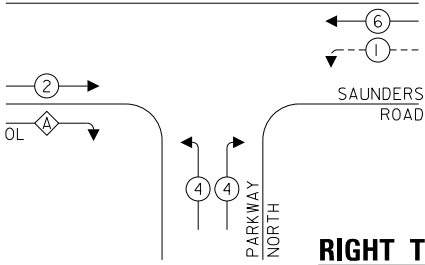
FILE NAME =	USER NAME = amissick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN SAUNDERS ROAD AT PARKWAY NORTH	F.A.U RTE.					
N:\L\CDOT\190304.0003A\Traffic\SAUNDERS-	PKWY NORTH.TSL.FYA.190304.0003A.dgn	DRAWN -	REVISED -			SECTION					
	PLOT SCALE = 20'	CHECKED -	REVISED -			I257	I5-00038-07-WR		LAKE	I090	496
default	PLOT DATE = 8/7/2026	DATE -	REVISED -			SCALE: 1" = 20'		SHEET	OF	SHEETS	STA.
						CONTRACT NO. 61K62					
						ILLINOIS FED. AID PROJECT					

EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE

LEGEND:

- ← (⊙) ← PROTECTED PHASE
- ← - - (⊙) - - PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) OL OVERLAP
- [FYA] FLASHING YELLOW ARROW

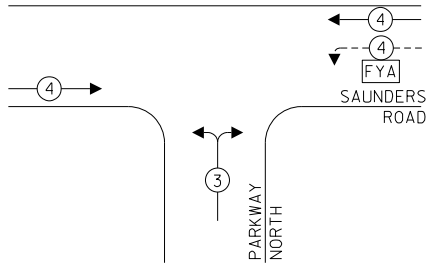


RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER A = PERMISSIVE PHASE 2 + PROTECTED PHASE 4

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	8	11	50	44.0
(YELLOW)	8	20	5	8.0
(GREEN)	8	12	45	43.2
SOLID ARROW (RED)	2	10	50	10.0
(GREEN & YELLOW)	8	10	10	8.0
FLASHING ARROW	2	10	5	1.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	165	50	-
PTZ	-	60	100	-
TOTAL =				239.2

ENERGY COSTS TO:

VILLAGE OF DEERFIELD

850 WAUKEGAN ROAD
DEERFIELD, IL 60015

ENERGY SUPPLY: CONTACT: JAZZMINE WADE
PHONE: (847) 748-4315
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

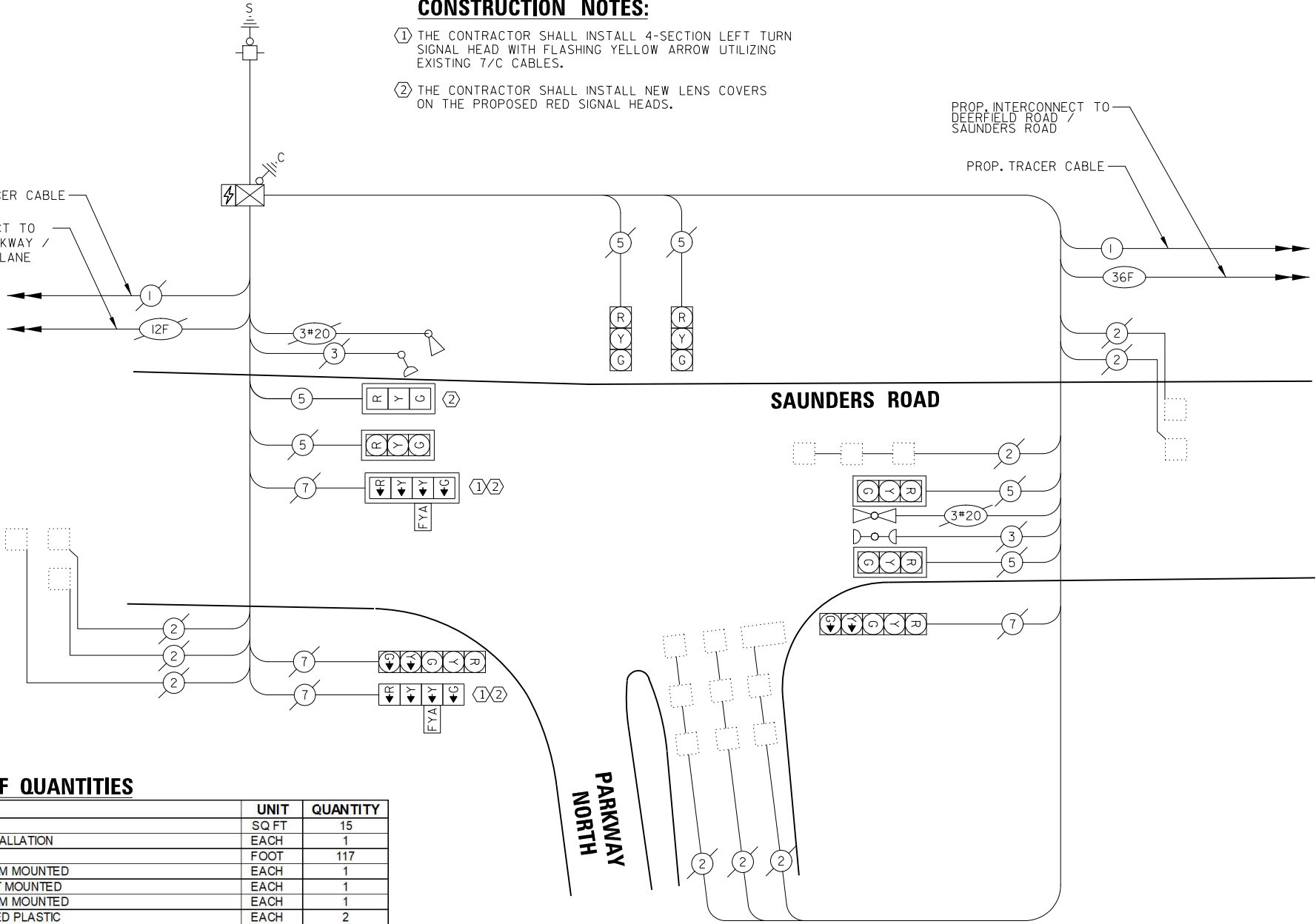
SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	117
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	3
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL INSTALL 4-SECTION LEFT TURN SIGNAL HEAD WITH FLASHING YELLOW ARROW UTILIZING EXISTING 7/C CABLES.
- THE CONTRACTOR SHALL INSTALL NEW LENS COVERS ON THE PROPOSED RED SIGNAL HEADS.

TRACER CABLE
INTERCONNECT TO
BAXTER PARKWAY /
THORNGATE LANE



CABLE PLAN

(NOT TO SCALE)

REMOVAL 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.

- 2

EACH

5-SECTION SIGNAL HEAD
- 1

EACH

TRAFFIC SIGNAL BACKPLATE
- 2

EACH

LENS COVER
- 1

EACH

PTZ CAMERA

CONSTRUCTION NOTES:

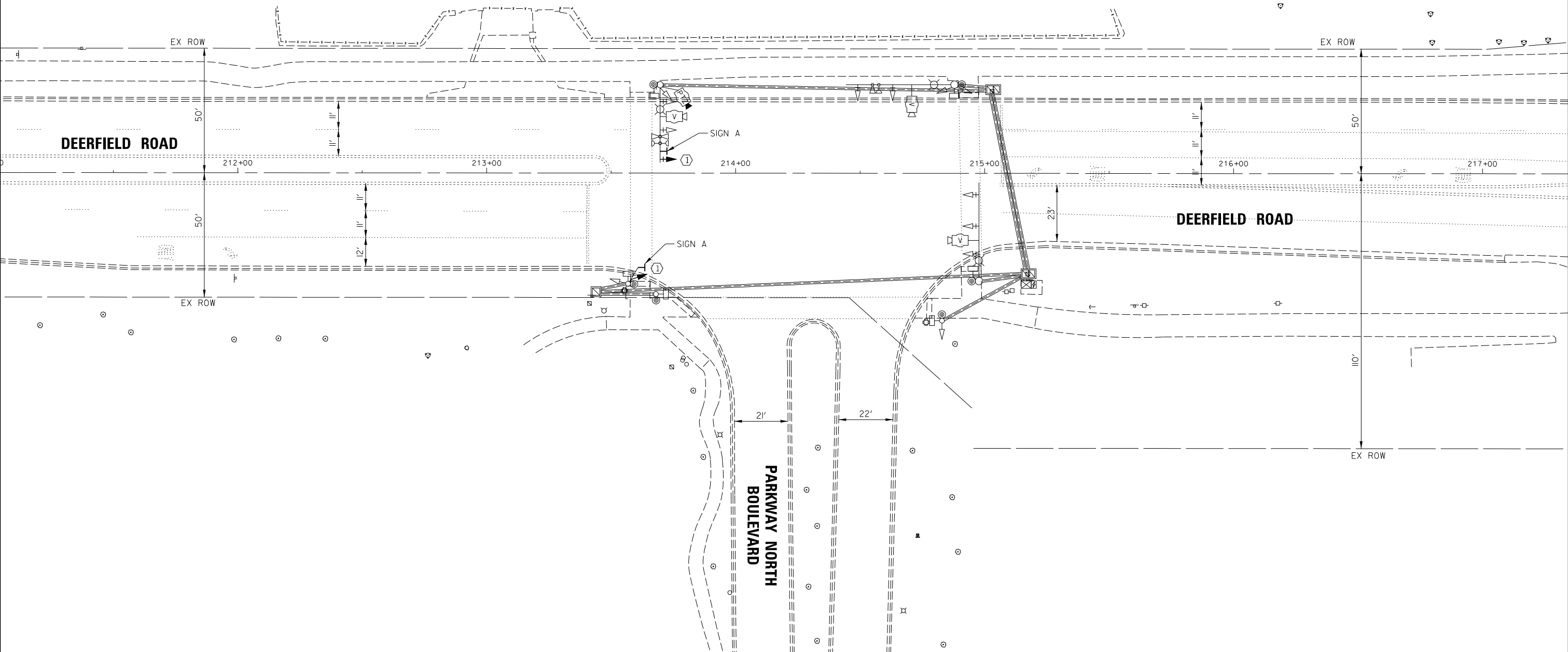
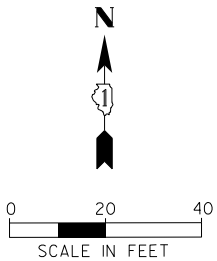
- ①

THE CONTRACTOR SHALL REMOVE THE 5-SECTION SIGNAL HEAD AND REPLACE WITH 4-SECTION LEFT TURN SIGNAL HEAD WITH FLASHING YELLOW ARROW UTILIZING EXISTING CABLES.

SIGN ①

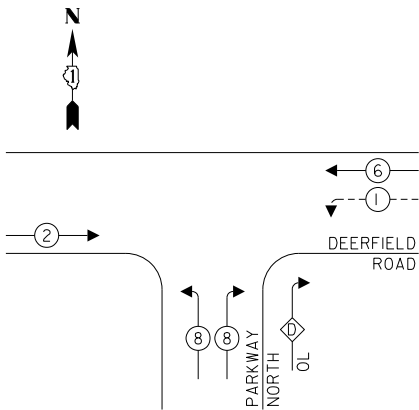
LEFT TURN
YIELD ON
FLASHING
YELLOW
ARROW

R10-12a
30" X 36"
2 - REQUIRED

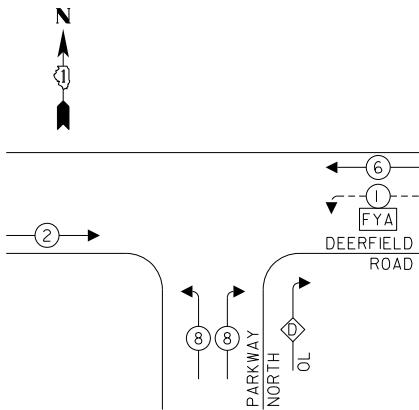


FILE NAME = N:\LCDOT\190304.0003A\Traffic\DEERFIELD	USER NAME = omissick N:\LCDOT\190304.0003A\Traffic\DEERFIELD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN DEERFIELD ROAD AT PARKWAY NORTH			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1257	I5-00038-07-WR	LAKE	1090	498
		PLOT SCALE = 20'	REVISIED -					CONTRACT NO. 6IK62				
		PLOT DATE = 8/7/2026	REVISIED -					ILLINOIS FED. AID PROJECT				
default					SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.		

EXISTING CONTROLLER SEQUENCE



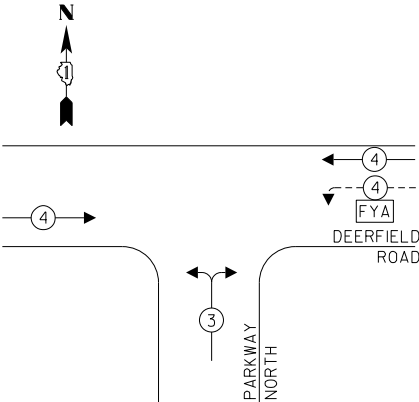
PROPOSED CONTROLLER SEQUENCE



RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
SOLID ARROW (RED)	2	10	50	10.0
(GREEN & YELLOW)	8	10	10	8.0
FLASHING ARROW	2	10	5	1.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	3	165	50	247.5
PTZ	1	60	100	60.0
TOTAL =				864.3

ENERGY COSTS TO:

VILLAGE OF DEERFIELD

850 WAUKEGAN ROAD

DEERFIELD, IL 60015

ENERGY SUPPLY: CONTACT: JAZZMINE WADE

PHONE: (847) 748-4315

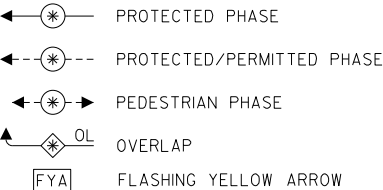
COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	2
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1

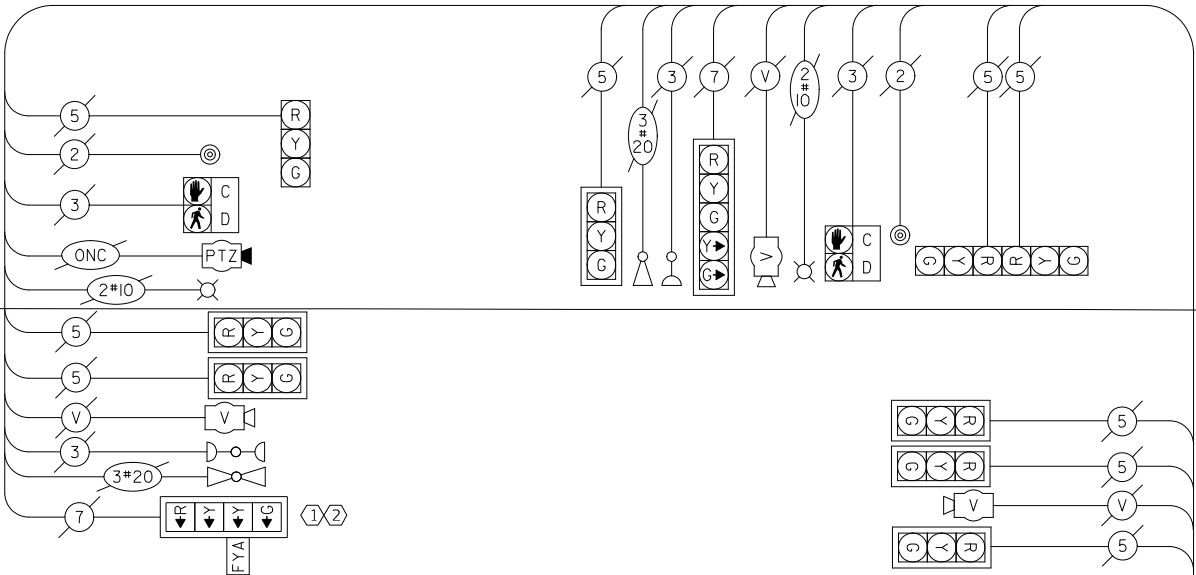
LEGEND:



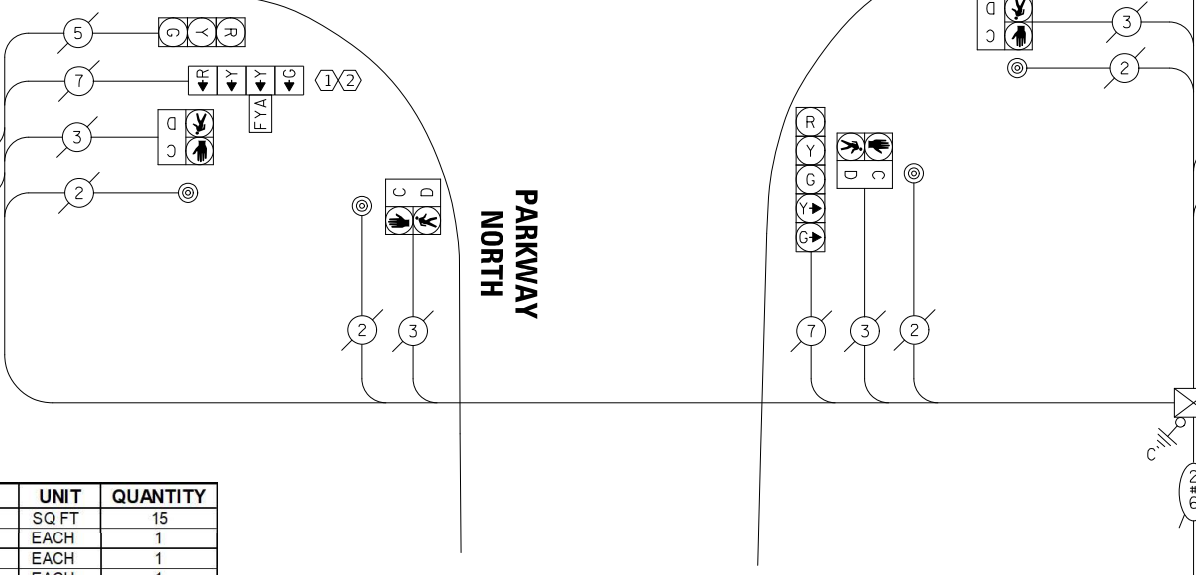
CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL INSTALL 4-SECTION LEFT TURN SIGNAL HEAD WITH FLASHING YELLOW ARROW UTILIZING EXISTING 7/C CABLES.
- THE CONTRACTOR SHALL INSTALL NEW LENS COVERS ON THE PROPOSED RED SIGNAL HEADS.

DEERFIELD ROAD



PARKWAY NORTH



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
DEERFIELD ROAD AT PARKWAY NORTH BOULEVARD

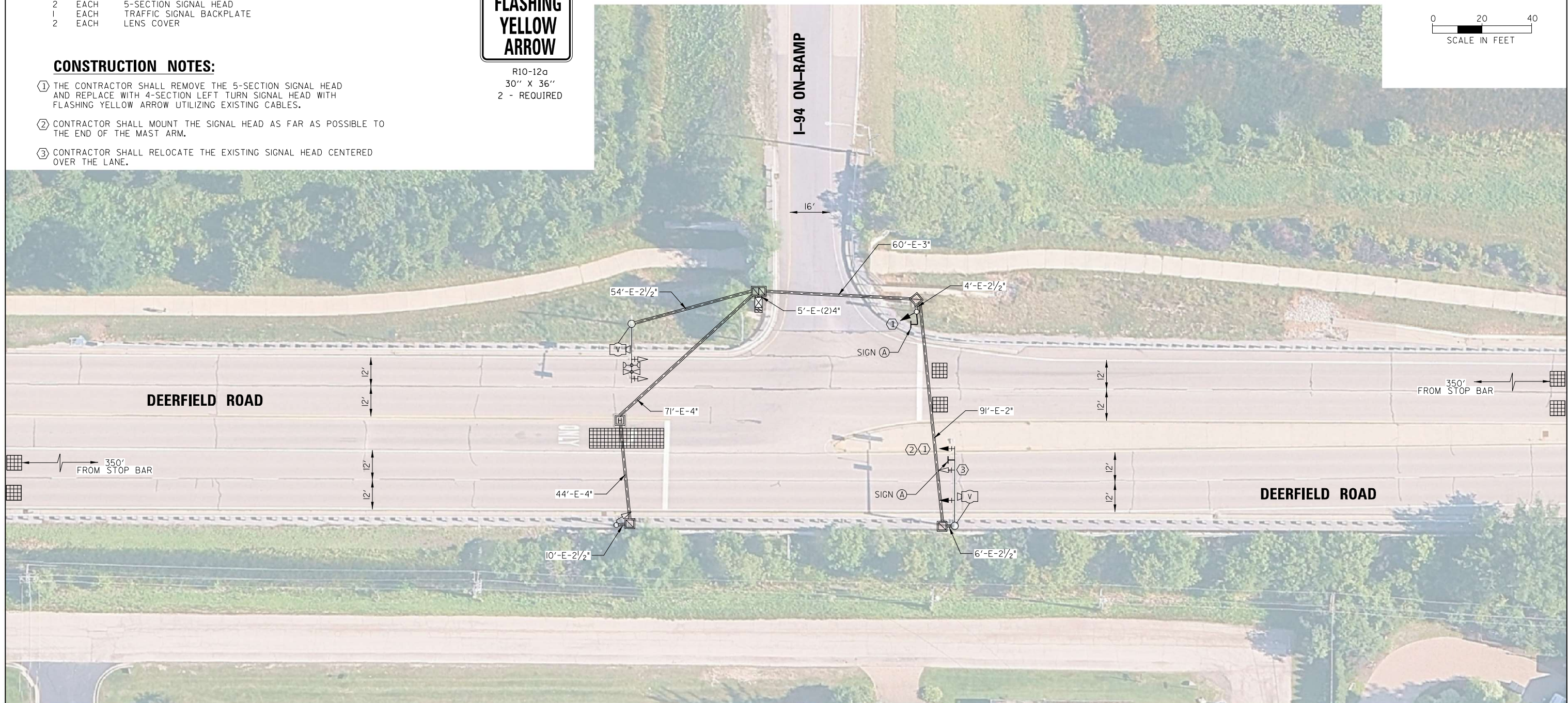
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I257	I5-00038-07-WR	LAKE	1090	499
CONTRACT NO. 6IK62				
ILLINOIS FED. AID PROJECT				

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.

CONSTRUCTION NOTES:

- SIGN (A)

R10-12a
30" X 36"
2 - REQUIRED



FILE NAME =	USER NAME = amssick	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN DEERFIELD ROAD AT I-94 ON RAMP	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\CDDOT\190304.0003A\Traffic\DEERFIELD	I94 On Ramp.TSI_FYA.190304.0003A.dgn	DRAWN -	REVISED -			1257	I5-00038-07-WR	LAKE	1090	500
	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 61K62				
default	PLOT DATE = 8/7/2026	DATE -	REVISED -			SCALE: 1" = 20'	SHEET OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT