

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 ITS 2025-2	MADISON & ST. CLAIR	7	1
		ILLINOIS	CONTRACT NO. 76U11	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED  
HIGHWAY PLANS

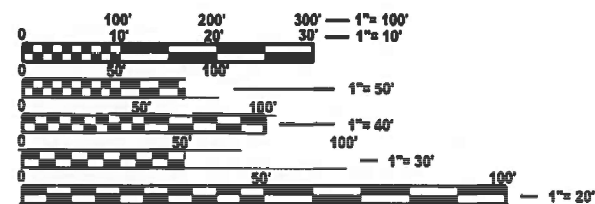
VARIOUS ROUTES  
SECTION DIST 8 ITS 2025-2  
DYNAMIC MESSAGE SIGN REPLACEMENT  
MADISON & ST. CLAIR COUNTIES

C-98-168-24



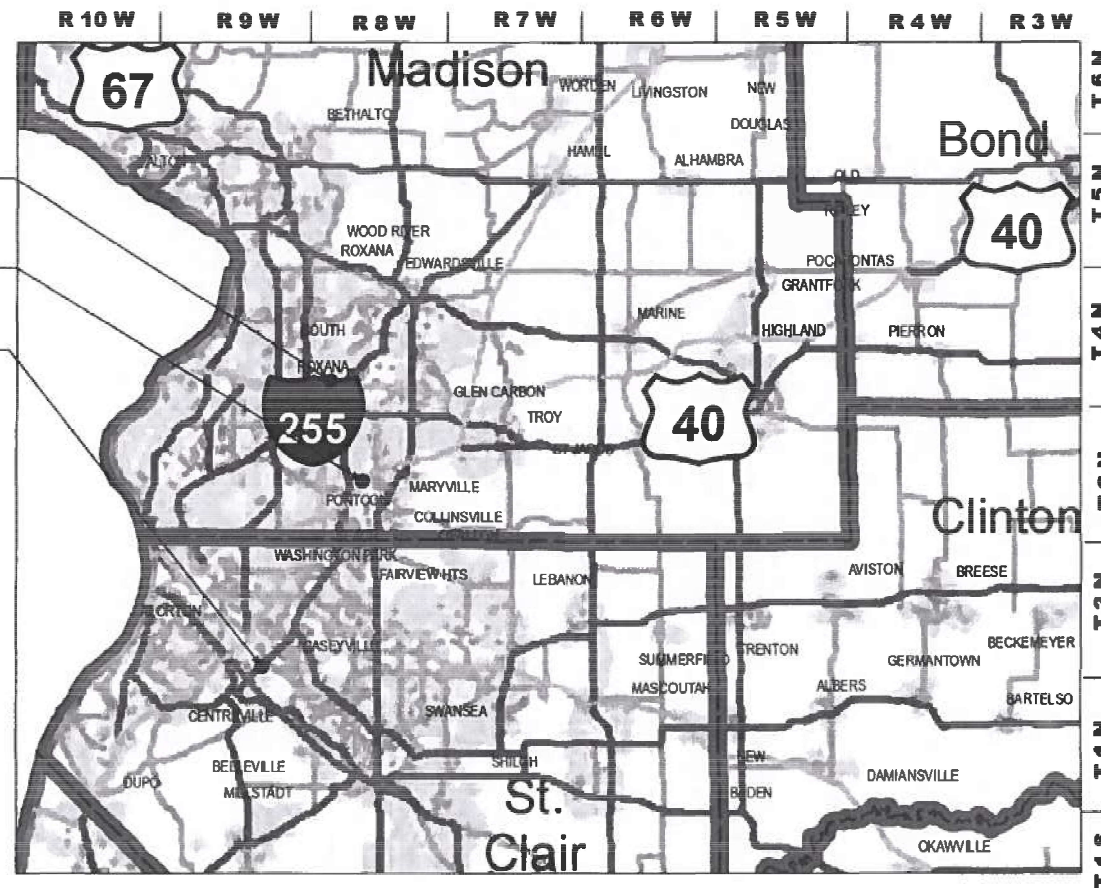
ROADWAY CLASSIFICATION

INTERSTATE	
ADT	
I-270 WB (MP 8.0)	- 25200
I-55/70 WB (MP 12.3)	- 22800
I-255 NB (MP 17.0)	- 22400



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

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



PROJECT ENGINEER RICHARD BARBEE  
PROJECT MANAGER CHERYL KEPLAR

CONTRACT NO. 76U11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 15 2024  
*[Signature]*  
REGIONAL ENGINEER

June 28, 2024 *[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

June 28, 2024 *[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

- 1 - COVER SHEET
- 2 - INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 3 - SUMMARY OF QUANTITIES & SCHEDULE OF QUANTITIES
- 4 - DMS I-55/70 WB MP 12.3
- 5 - DMS I-270 WB MP 8.0
- 6 - DMS I-255 NB MP 17.0
- 7 - TYPE 334 CABINET DETAIL

**HIGHWAY STANDARDS**

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
- 701400-12 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-13 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
- 701446-11 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701901-09 TRAFFIC CONTROL DEVICES

**GENERAL NOTES**

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:  
AMEREN ILLINOIS  
AT&T ILLINOIS  
VILLAGE OF CAHOKIA  
CHARTER COMMUNICATIONS, INC.  
DEPARTMENT OF CENTRAL MANAGEMENT SERVICES  
CITY OF COLLINSVILLE  
VILLAGE OF GLEN CARBON  
LEVEL 3 COMMUNICATIONS, LLC  
VILLAGE OF MARYVILLE  
CITY OF TROY
2. NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
3. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING, INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES, AND/OR ELECTRICAL CABLES ASSOCIATED WITH TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS. IF ANY OF THESE EXIST WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
4. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
5. ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
6. REMOVED DYNAMIC MESSAGE BOARDS (DMS) SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

**COMMITMENTS**

NONE

MODEL: GENNOTE (Sheet)  
FILE NAME: c:\p\work\work\tdaniel.hopkins@illinois.gov\0984637\0876\11-shi-gennote.dgn

USER NAME = daniel.hopkins	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -			VAR	DIST 8 ITS 2025-2	MADISON & ST. CLAIR	7	2
PLOT DATE = 4/18/2024	CHECKED -	REVISED -	SCALE:	SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 76U11				
DATE -	REVISED -				ILLINOIS FED. AID PROJECT				

100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				MADISON COUNTY	ST. CLAIR COUNTY
				TRAFFIC SIGNS 0044	TRAFFIC SIGNS 0044
				URBAN	URBAN
67100100	MOBILIZATION	L SUM	1	0.67	0.33
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.67	0.33
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	0.67	0.33
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.67	0.33
X0323917	CABINET, MODEL 334	EACH	3	2	1
X0325485	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	3	2	1

REV. - MS

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	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	VAR	DIST 8 ITS 2025-2	MADISON & ST. CLAIR	7	3
	CHECKED -	REVISED -		CONTRACT NO. 76U11										
PLOT DATE = 12/14/2022	DATE -	REVISED -		ILLINOIS   FED. AID PROJECT										

12" DIA. YELLOW LED FLASHING BEACON (TYP.) WITH TUNNEL VISOR AND RETRO REFLECTIVE BACKPLATE TO BE FURNISHED AND INSTALLED BY DMS SIGN MANUFACTURER (INCLUDED IN THE COST OF DMS SIGN)

PROPOSED DMS

EXISTING SIGN STRUCTURE

CONTRACTOR TO REMOVE EXISTING DMS AND DISPOSE OF OFFSITE

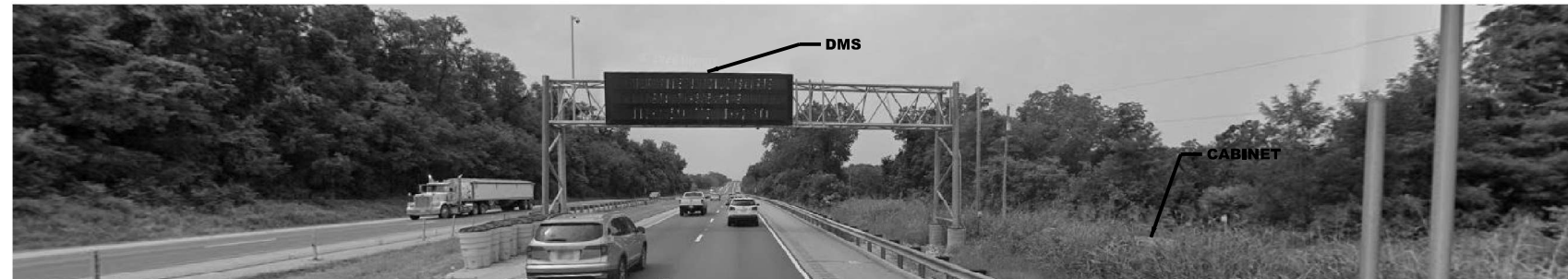
CONTRACTOR TO INSTALL PROPOSED DMS ON EXISTING SIGN STRUCTURE

ELEVATION

**SIGN STRUCTURES - ALTERNATE TRUSS DETAILS FOR DMS ALUMINUM TRUSS & STEEL POST**

**NOTE:**

THE CONTRACTOR SHALL SUBMIT COMPLETE ELECTRICAL DESIGN DETAILS AND CALCULATIONS SEALED BY AN ILLINOIS LICENSED ELECTRICAL AND STRUCTURAL ENGINEER TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OF ANY MATERIALS.



NOT TO SCALE

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PLOT DATE = 4/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

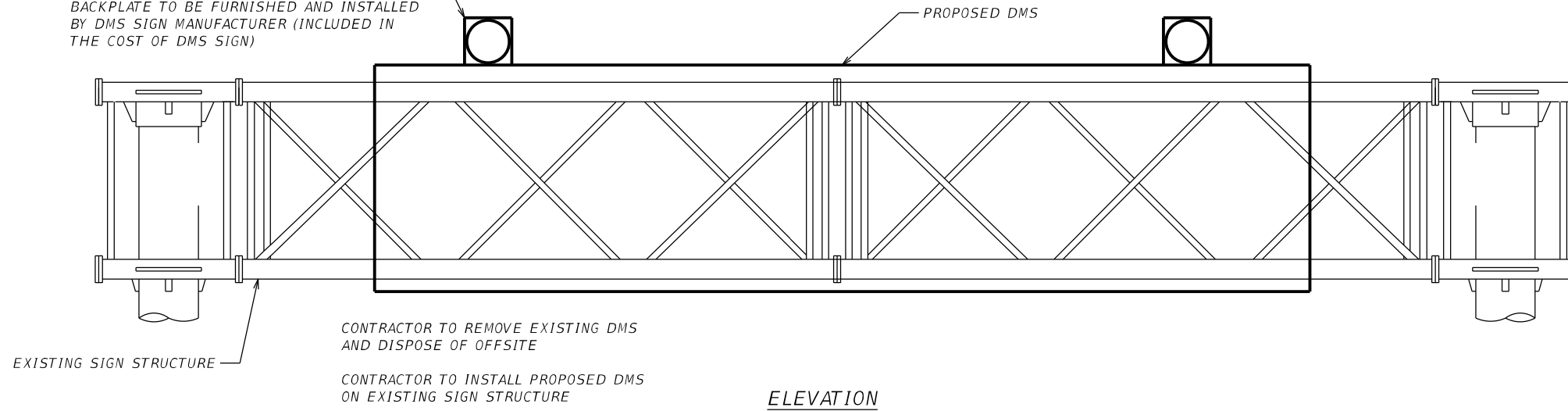
**TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN (DMS)  
WB I-55/70 MP 12.4**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 ITS 2025-2	MADISON & ST. CLAIR	7	4
CONTRACT NO. 76U11				
ILLINOIS FED. AID PROJECT				



12" DIA. YELLOW LED FLASHING BEACON (TYP.) WITH TUNNEL VISOR AND RETRO REFLECTIVE BACKPLATE TO BE FURNISHED AND INSTALLED BY DMS SIGN MANUFACTURER (INCLUDED IN THE COST OF DMS SIGN)



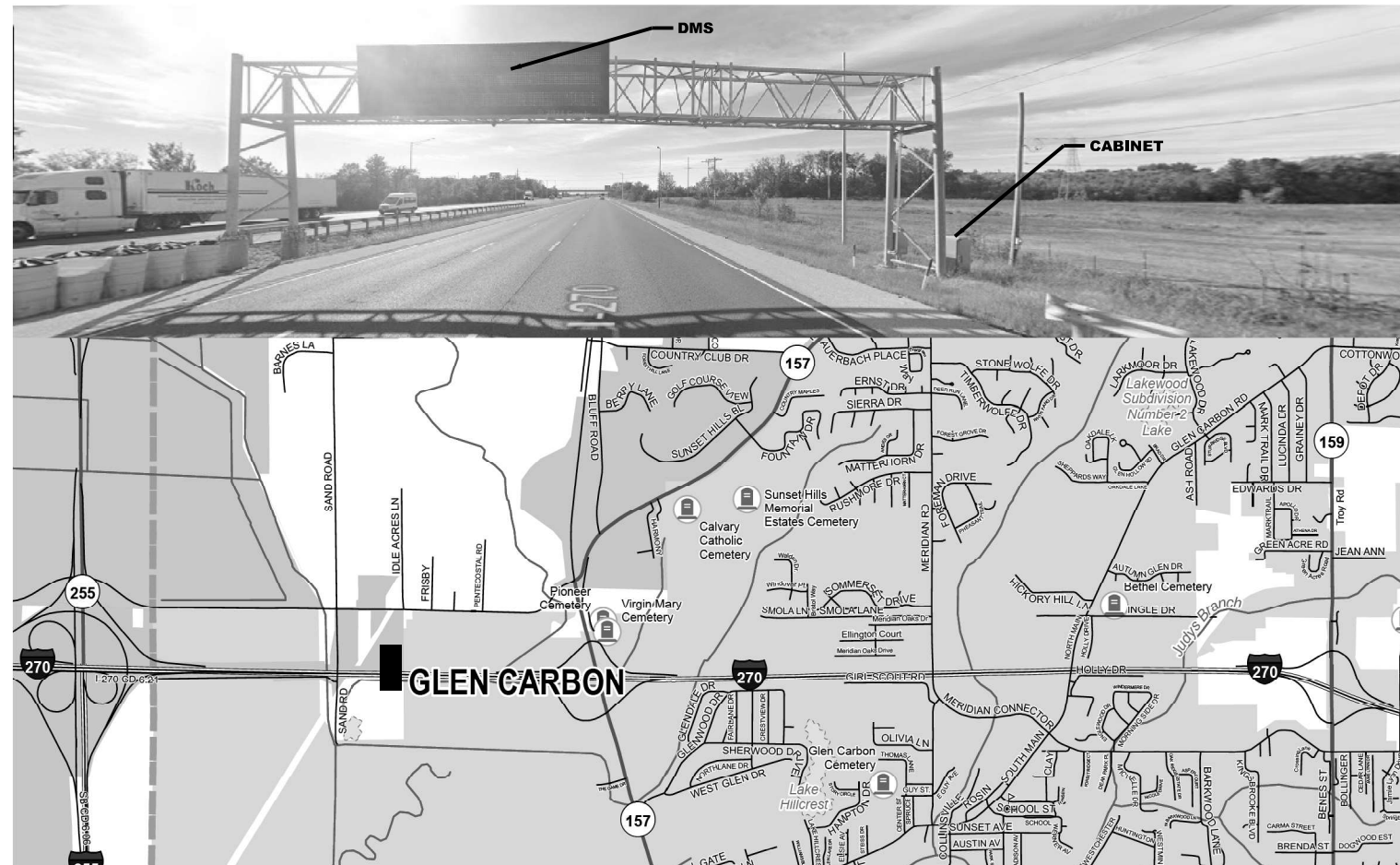
CONTRACTOR TO REMOVE EXISTING DMS AND DISPOSE OF OFFSITE

CONTRACTOR TO INSTALL PROPOSED DMS ON EXISTING SIGN STRUCTURE

ELEVATION

**SIGN STRUCTURES - ALTERNATE TRUSS DETAILS FOR DMS ALUMINUM TRUSS & STEEL POST**

NOTE: THE CONTRACTOR SHALL SUBMIT COMPLETE ELECTRICAL DESIGN DETAILS AND CALCULATIONS SEALED BY AN ILLINOIS LICENSED ELECTRICAL AND STRUCTURAL ENGINEER TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OF ANY MATERIALS.



NOT TO SCALE



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PLOT DATE = 4/18/2024	DATE -	REVISED -

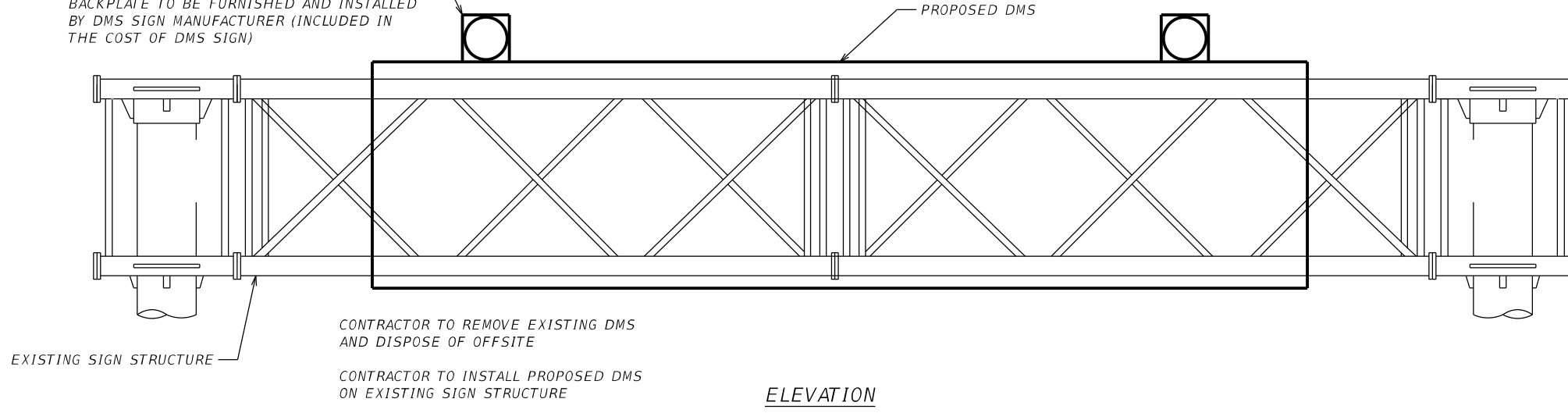
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN (DMS)**  
**WB I-270 MP 8.0**

SCALE: SHEET OF SHEETS STA. TO STA.

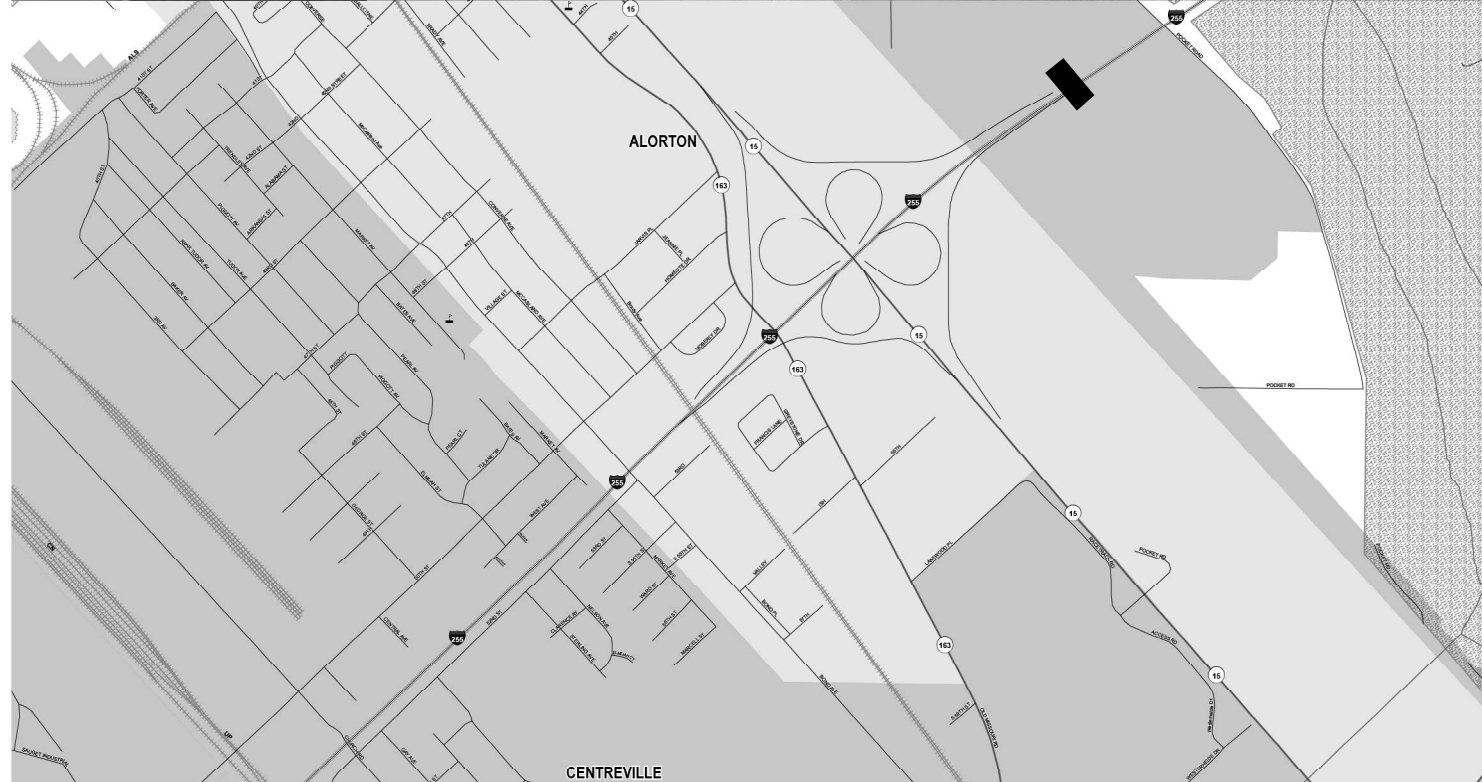
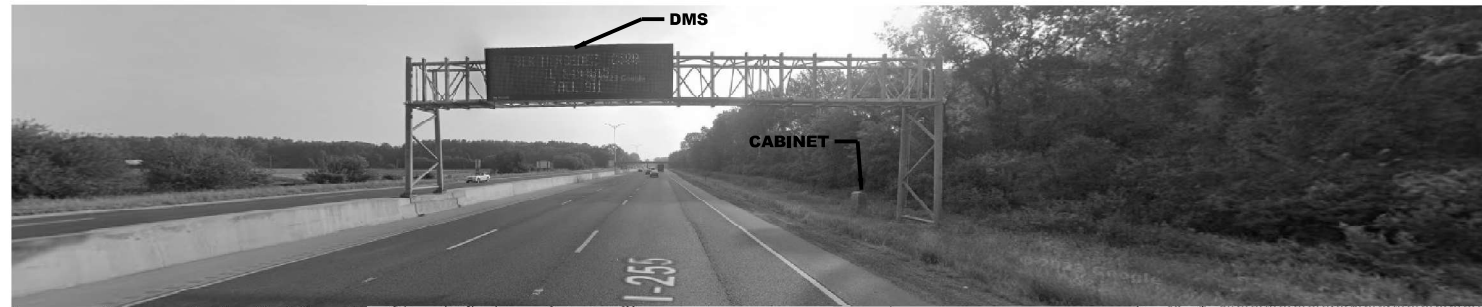
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VAR	DIST 8 ITS 2025-2	MADISON & ST. CLAIR	7	5
			CONTRACT NO. 76U11	
ILLINOIS FED. AID PROJECT				

12' DIA. YELLOW LED FLASHING BEACON (TYP.) WITH TUNNEL VISOR AND RETRO REFLECTIVE BACKPLATE TO BE FURNISHED AND INSTALLED BY DMS SIGN MANUFACTURER (INCLUDED IN THE COST OF DMS SIGN)



**SIGN STRUCTURES – ALTERNATE TRUSS DETAILS FOR DMS ALUMINUM TRUSS & STEEL POST**

NOTE:  
THE CONTRACTOR SHALL SUBMIT COMPLETE ELECTRICAL DESIGN DETAILS AND CALCULATIONS SEALED BY AN ILLINOIS LICENSED ELECTRICAL AND STRUCTURAL ENGINEER TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OF ANY MATERIALS.



NOT TO SCALE

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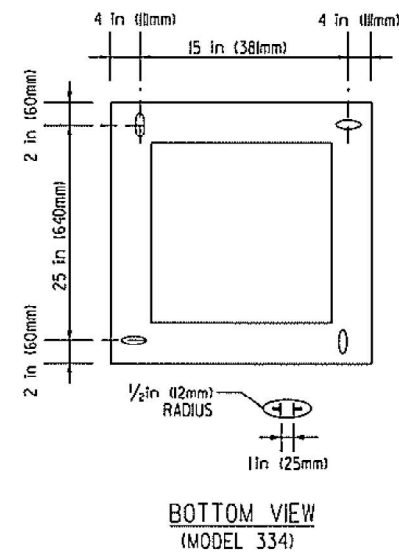
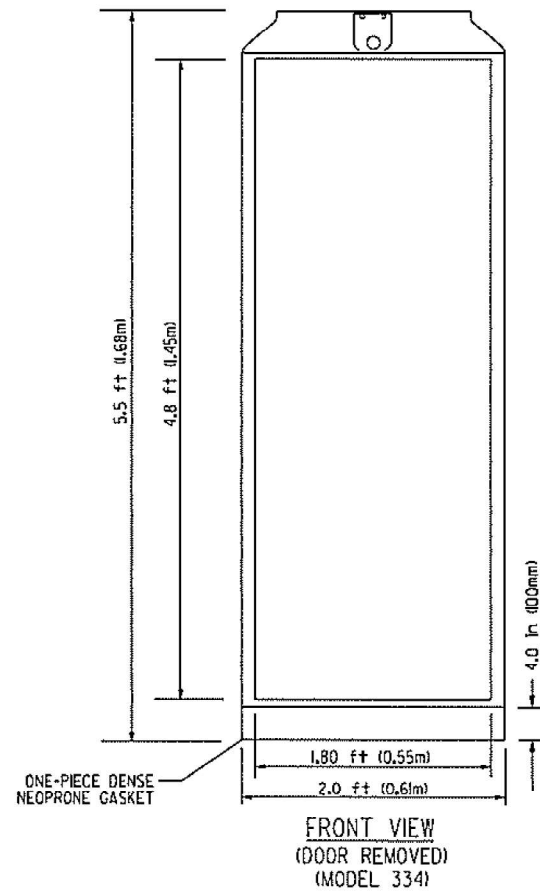
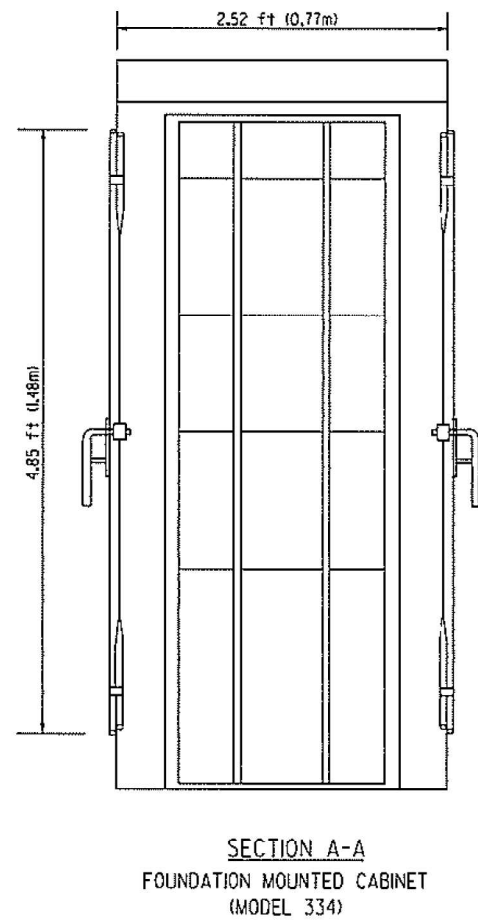
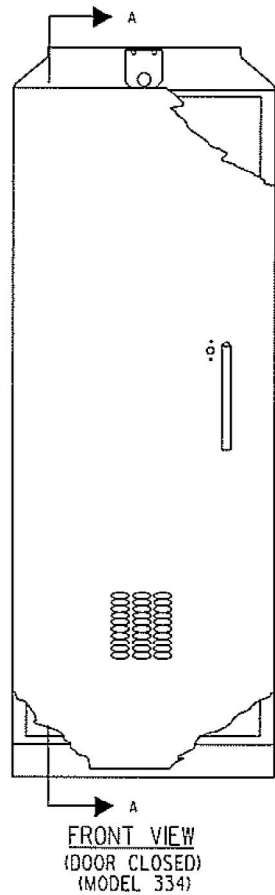
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PLOT DATE = 4/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

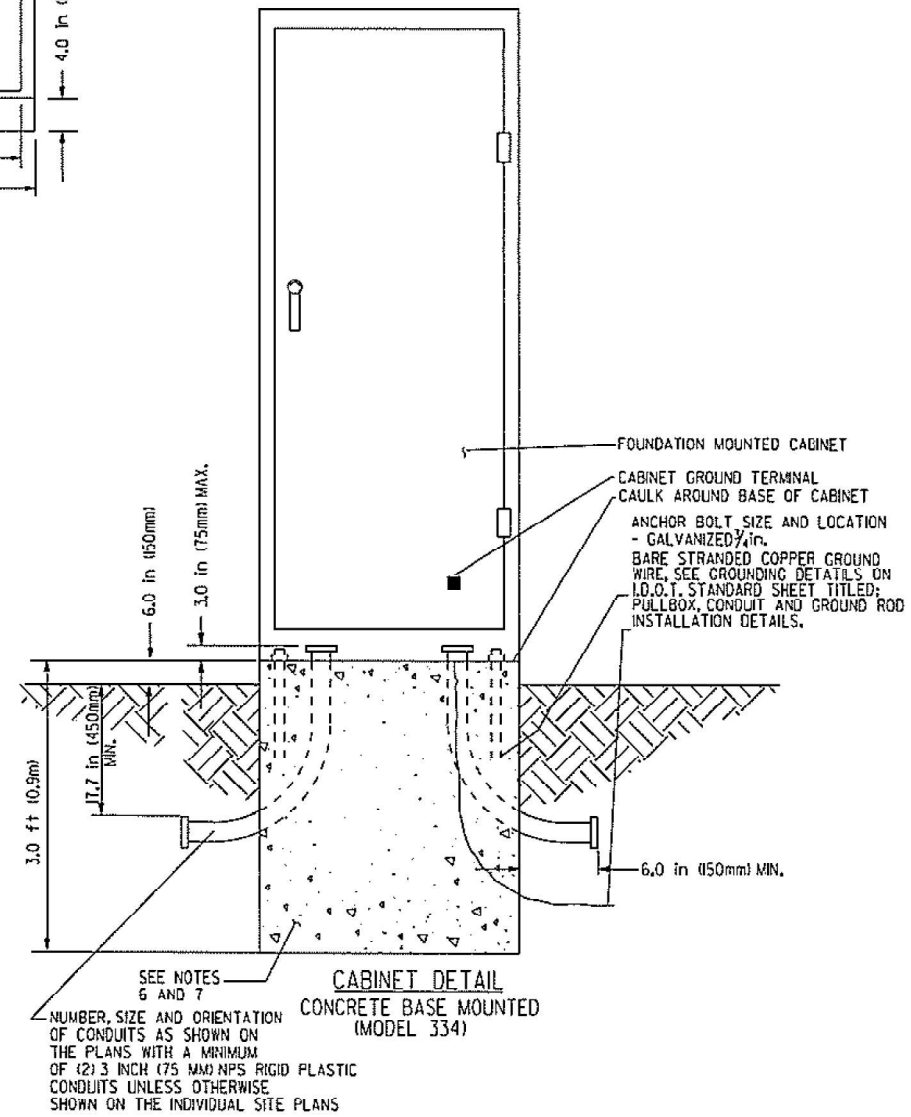
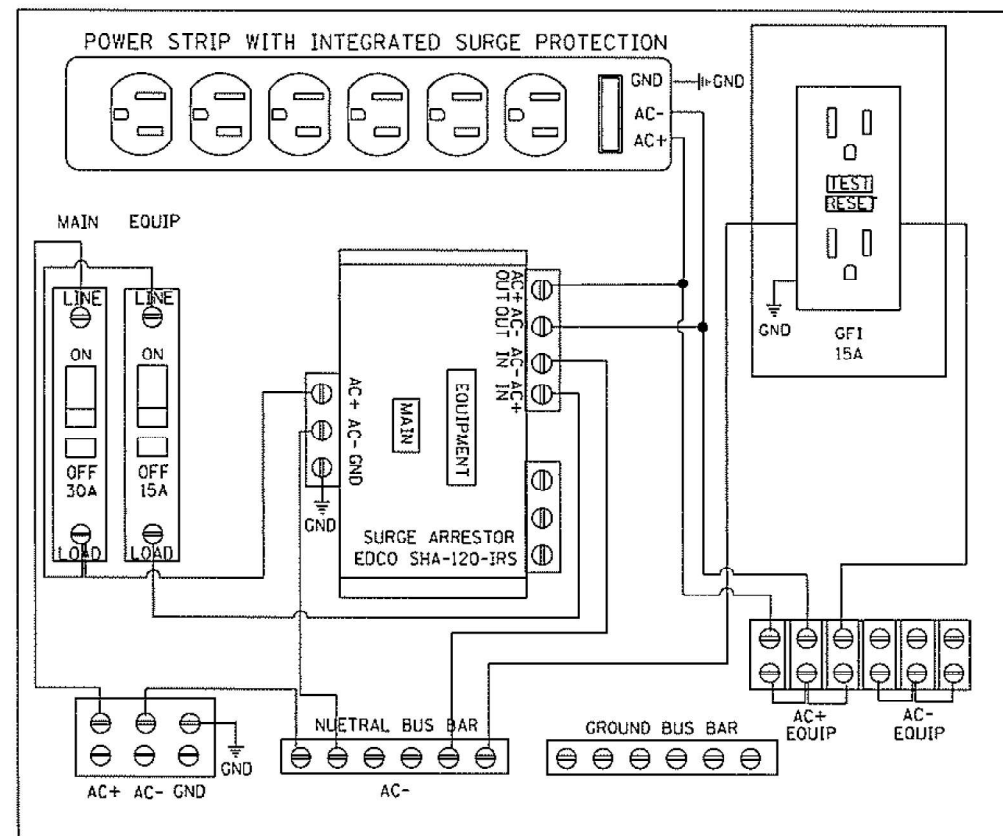
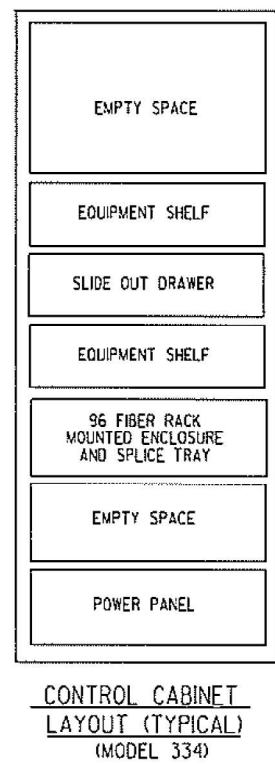
**TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN (DMS)  
NB I-255 MP 17.0**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 ITS 2025-2	MADISON & ST. CLAIR	7	6
CONTRACT NO. 76U11				
ILLINOIS FED. AID PROJECT				



- NOTES (MODEL 334 CABINET):**
- REFER TO SPECIAL PROVISIONS FOR CABINET DETAILS AND ADDITIONAL REQUIREMENTS.
  - CABINET ENTRIES INCLUDE VERTICAL ARRANGEMENT FOR MAJOR EQUIPMENT ITEMS ONLY.
  - THERE WILL BE ADDITIONAL ITEMS INSTALLED IN THE CABINET ON SIDE AND BACK PANELS AS PER THE SPECIAL PROVISIONS.
  - PROVIDE ALL UNUSED SPACE AT BOTTOM OF CABINET.
  - THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS.
  - CONCRETE BASE TO BE FORMED AT LEAST 6.0 in (150mm) BELOW THE GROUND SURFACE.
  - CONCRETE BASE MUST BE CAST IN PLACE.
  - THE CABINET SHALL BE EQUIPPED WITH A THERMOSTATICALLY CONTROLLER VENTILATION FAN, DELUXE PLEATED FILTER, POWER PANEL, 96 FIBER RACK MOUNTED ENCLOSURE WITH SPLICE TRAYS, 19" MOUNTING RAILS, EQUIPMENT SHELF, AND SLIDE OUT DRAWER WITH STORAGE.



TYPE 334 CABINET POWER PANEL DETAIL  
(POWER PANEL TO BE EQUIPPED WITH PLEXI-GLASS SAFETY SHIELD)

REV - MS

MODEL: 334 Cabinet (Sheet)  
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USER NAME = daniel.hopkins	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 4/18/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPE 334 CABINET DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 ITS 2025-2	MAISON & ST. CLAIR	7	7
CONTRACT NO. 76U11				
ILLINOIS FED. AID PROJECT				