

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

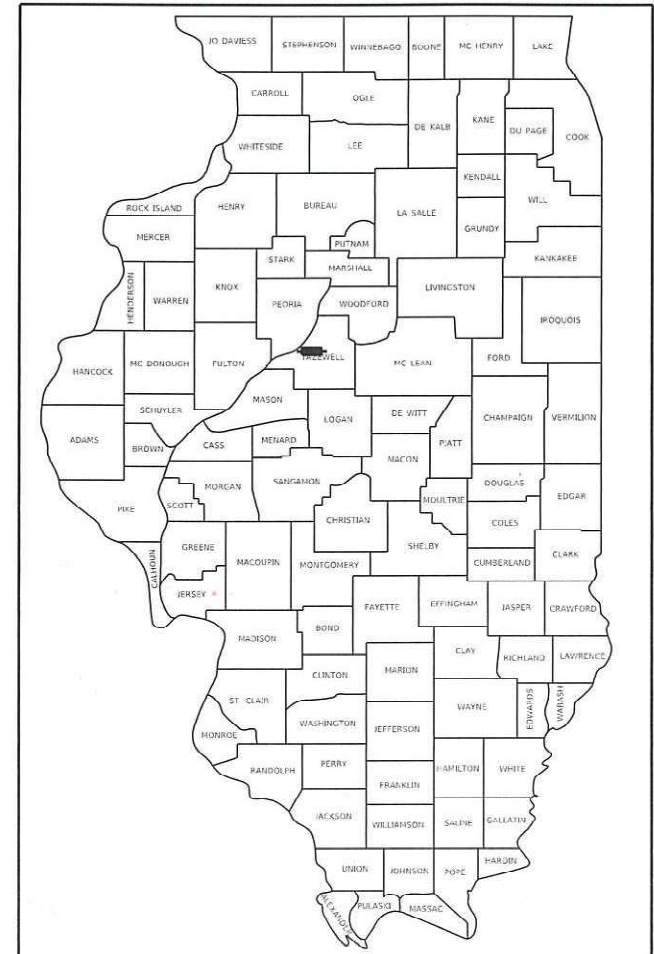
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS, MED	TAZEWELL	41	1
		ILLINOIS	CONTRACT NO. 68H12	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAP ROUTE 655 (IL 9)
SECTION (117)TS, MED
PROJECT HSIP-9P6J(347)
TYPE of IMPROVEMENT
TAZEWELL COUNTY

D-94-033-22



LOCATION OF SECTION INDICATED THUS: - [Black Box] -

DESCRIPTION OF WORK
THIS PROJECT CONSISTS OF THE INSTALLATION OF TRAFFIC SIGNAL MAST ARMS, CONCRETE FOUNDATIONS, TRAFFIC SIGNAL HEADS, CONDUIT, HANDHOLES, ELECTRIC CABLES, SIGNING, PAVEMENT MARKINGS, SIDEWALK, CURB AND GUTTER, RIPRAP, THE RECONSTRUCTION OF THE MEDIAN ON NB 14TH ST., AND ALL OTHER RELATED COLLATERAL WORK NECESSARY TO COMPLETE THE IMPROVEMENTS ON THIS PROJECT.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

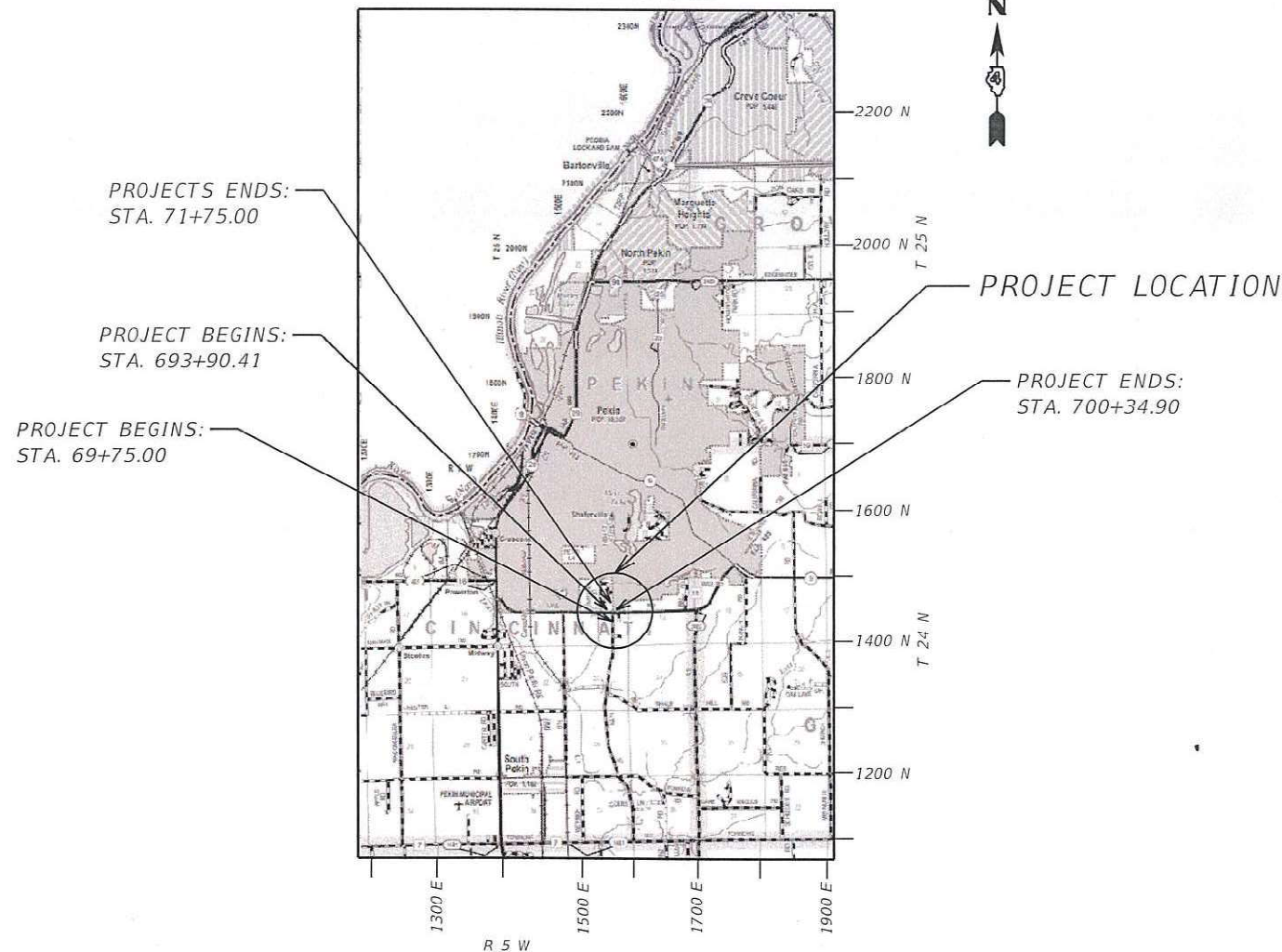
SUBMITTED MAY 13 20 22
Kensel A. Jarnett
REGIONAL ENGINEER

July 1, 2022 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2022 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

C-94-050-22



GROSS LENGTH = 644.47 FT. = 0.12 MILE
NET LENGTH = 644.47 FT. = 0.12 MILE

DESIGN DESIGNATION

FAP 655

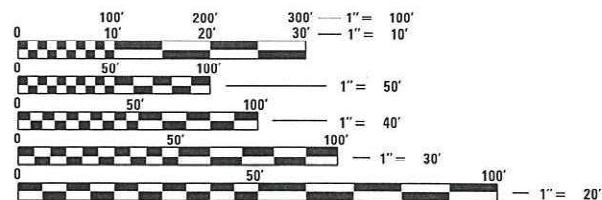
TRAFFIC DATA

VFW RD: ADT=5100 (2019)

MU=6.5%

SU=6.0%

14TH ST: ADT=3950 (2018)



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

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

PROJECT ENGINEER LEONEL CRESPO
PROJECT MANAGER BEN TELLEFSON

CONTRACT NO. 68H12

INDEX OF SHEETS

SHT NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & LIST OF STANDARDS
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5-10	SUMMARY OF QUANTITIES
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20	BENCHMARKS & CONTROL POINTS
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23-24	PROPOSED PLANS
25-35	PROPOSED TRAFFIC SIGNAL PLANS
36-37	PAVEMENT MARKING PLANS
38	MEDIAN ISLAND AND OUTLET DETAIL

SHT. NO.	DISTRICT 4 STANDARDS
39	281001 RIPRAP DITCH FOR EROSION PROTECTION
40-41	780001 TYPICAL PAVEMENT MARKINGS

LIST OF HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS ABBREVIATIONS & PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF INCH & FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701101-05	OFF-RD OPER., MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > OR = 45MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
814001-03	HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-07	STEEL COMB. MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

MODEL: D:\p\h\...
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USER NAME = Crespole	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VFV AND 14TH STREET INDEX OF SHEETS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 80.0000 ' / in.	DRAWN -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	655	(117)TS, MED	TAZEWELL	41	2
PLOT DATE = 5/13/2022	CHECKED -	REVISED -						CONTRACT NO. 68H12			
	DATE -	REVISED -						ILLINOIS		FED. AID PROJECT	

GENERAL NOTES:

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

All elevations shown on the plans are established from U.S.G.S. mean sea level datum.

COMMITMENTS

There are no commitments for this project.

EARTH EXCAVATION - INCIDENTAL TO CURB, GUTTER, & DRIVEWAY

Earth excavation and backfill for proposed curb and gutters and driveway pavements shall be included in the unit cost of the various items.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Borrow Site Review)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form - D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required waste site environmental clearances and six weeks for the required borrow site environmental clearances.

FINAL FINISH ON P.C. CONCRETE PAVEMENT, TYPE B

A Type "B" final finish, obtained in accordance with Article 420.09(e)(2) of the Standard Specifications, shall be provided for the Portland Cement Concrete Pavement.

SAW CUT - 18" (450 mm) SHOULDER REMOVAL - IN-PLACE WHEEL SAW GRINDING PERMITTED

A full depth saw cut shall be required at the joint between the pavement that is to be left in place and the existing shoulder that is to be removed. The Contractor may have the option of using a wheel saw to grind up the existing shoulder and leave the finely ground pieces on site under the new shoulder and on the foreslope, with the approval of the Engineer. Maximum size of pieces shall be no more than 3" (75 mm). Larger pieces shall be picked up/removed from the jobsite. No additional compensation will be allowed for variations in assumed thickness. This work shall not be paid for separately, but shall be included in the cost of the removal items.

MEDIAN AND ISLAND NOSES

When constructing median and island noses the following criteria should be followed:

- * Barrier curb shall be used to construct noses when the median or island surrounds a mast arm or other non-breakaway foundation.
- * Ramped noses shall be used on medians or islands with breakaway posts.

ADDITIONAL SUPPLEMENTAL TRAFFIC CONTROL

The Department reserves the right at any time to add additional Traffic Control Systems or devices within the active contract limits, by means of an additional contract. All terms of Article 105.08 of the Standard Specifications shall be followed by each Contractor.

JOB SPECIFIC NOTE:

1. **STONE RIPRAP, CLASS B3**
This work shall be performed in accordance with Section 281 of the Standard Specifications. This work shall include any shaping of the existing side slopes and drainage areas as specified in the plans or to the satisfaction of the Engineer.
2. All disturbed areas, as a result of the PCC Sidewalk and Curb & Gutter construction, shall be leveled and seeded. This work will not be paid for separately, and shall be included in the cost of PCC Sidewalk 4".

STATUS OF UTILITIES			
COMPANY/CONTACT	TYPE OF CONFLICT	LOCATION	DISPOSITION
AMEREN ELECTRIC JOHN REICK 8420 N. UNIVERSITY ST. PEORIA, IL 61615	NEW MAST ARM	NW Quadrant SE Quadrant	REMOVE LIGHT POLES (LIGHTS TO BE PLACED ON MAST ARM)
BLUEBIRD NETWORK JOHN WORLEY 10024 OFFICE CENTER AVE SUITE 201 ST LOUIS, MO 63128	RIPRAP	SOUTH SIDE VFW RD	CAUTION
LUMEN/CENTURY LINK BRADLEY STOCKHAM 416 MARGARET ST. PEKIN, IL 61554	RIPRAP	SOUTH SIDE VFW RD	CAUTION

MODEL NUMBER: 68H12
FILE NAME: 68H12

USER NAME = \$USERS	DESIGNED -	REVISED -
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PLOT DATE = \$DATES	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VFW AND 14TH STREET GENERAL NOTES			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS, MED	TAZEWELL	41	3
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNALS CONSTRUCTION NOTES:

1. The location of all utilities and privately owned facilities shall be field verified by the contractor prior to the installation of any components.
2. The contractor shall be responsible for locating existing IDOT electrical facilities at his/her own expense if required. The contractor shall also be liable for any damage to IDOT facilities resulting from inaccurate locating.
3. Electrical work shall conform with national, state, and local codes.
4. The locations for handholes and concrete foundations are provided for reference only. The Engineer of traffic shall be notified for location verification before installation.
5. All traffic signal mast arms and posts shall be installed outside of the clear zone. The contractor shall contact Ben Tellefson at (309) 671-4477 for location approval prior to installing any mast arms or signal posts.
6. All traffic signal sections shall have 12-inch single led lenses and visors.
7. The red sections of the signal heads sharing the same mast arm shall be leveled with one another and maintain a 16 foot minimum clearance from the highest point of the roadway to the bottom of the signal backplate.
8. All traffic signal head brackets are to be galvanized steel with a natural finish.
9. All traffic signal structures shall be bonded in accordance with NEC requirements. This work shall be paid for at the contract unit price for " Electric Cable in Conduit, Equipment Grounding Conductor, No. 6 1C" and shall include all labor, equipment, and materials (including clamps, hardware, electrical cable, and all other items required to bond the structures).
10. The Contractor shall provide electrical cable slack in accordance with Article 873.03.
11. Electrical Cable will be measured for payment in accordance with Article 873.04.
12. The Contractor shall verify field conditions prior to bidding. There will be no additional compensation paid for claims that arise from a failure to fully investigate existing field conditions.
13. Proposed Handholes shall be Cast-In-Place concrete Handholes.
14. The Handholes shall be constructed so that the top of the frame will be flush with the surface of the shoulder or ground line.
15. All surplus materials shall be disposed of in accordance with Article 202.03 of the Standard Specifications.
16. SDR 13.5 HDPE Coilable Duct may be used in place of Schedule 40 PVC Conduit.
17. No additional compensation will be allowed for placing conduit at greater than 2-ft. minimum depth to avoid obstacles such as underground utilities.
18. The Contractor is responsible for the cost of uncovering or hand digging around utilities as necessary. This cost of this work shall be included in the unit prices for the conduits.
19. The Contractor shall furnish and install one 20A 1-Pole Circuit Breaker, Button Photocell, Terminal Block Wiring, and all other items required to provide Photocell-Controller 120V Power to the proposed roadway luminaires. These items shall be installed in the proposed traffic signal cabinet. The cost of this work shall be included in the cost of the proposed Traffic Signal Cabinet.
20. The Contractor shall furnish and install grout around all drilled conduits located inside of handholes to prevent water and dirt intrusion into the handhole. The Cost of this work shall be included in the cost of the conduit.
21. The Contractor shall furnish and install grout around all drilled conduits located inside of foundations to prevent water and dirt intrusion into the foundation. The Cost of this work shall be included in the cost of the conduit.
22. Within Thirty Calendar days after contract execution, the contractor shall submit J.U.L.I.E. tickets to have the underground utilities marked at the intersection, and then schedule an on-site meeting with the Resident Engineer and IDOT Distric 4 Traffic Operations to determine and mark the exact placement of the proposed traffic signal components.
23. The Traffic Signal Controller shall be oriented so that the door is facing away from traffic.
24. The Contractor shall install the proposed video detection cameras on 5-foot extension brackets on the mast arms as shown on the plan sheets. The contractor shall install set screws and additional hardware as needed to ensure that the camera and camera bracket does not loosen. The cost of this work shall be included in the cost of the Proposed Video Detection System.
25. The Dilemma Zone detectors shall be installed according to the manufacturer's recommendations.
26. The Contractor shall furnish and install the Dilemma Zone detectors including bracketing, hardware, wiring, traffic signal cabinet / controller modifications, and all other items required for installation and integration into the proposed traffic signal cabinet. This work will not be paid for separately but shall be included in the bid price for the Dilemma Zone Detection System.
27. The proposed CCTV camera shall be installed at a minimum mounting height of 43-feet.
28. The Department will program the CCTV camera before installation.
29. The Department will program the video detection system after installation.
30. The Contractor shall remove and deliver the existing Solar Flashing Beacon Asssemblies (stop sign mounted) to the IDOT Traffic Building at 1025 W. Detweiller Dr. Peoria IL 61525. This work will not be paid for separately but shall be included in the bid price for "Sign Removal".
31. One Changeable Message Sign shall be installed in each direction on IL 9 (VFW Road) and placed 1500-ft in advance of the intersection for 14 days prior to and the 14 days following the traffic signal turn on.
32. The Cost of potholing to locate existing underground utilities shall be included in the contract bid price for the conduit.
33. The Contractor shall furnish and install two red signal indications, one yellow signal indication, and one green signal indication head for each of the proposed signal heads #6, #7, #14, and #15 as shown in the plans. This work will not be paid for separately, but shall be included in the bid prices of the signal heads.
34. The Contractor shall coordinate with Ameren and the City of Pekin on the removal of the existing wood poles with roadway lighting in the southeast and northwest quadrants to accommodate the installation of the proposed mast arms.
35. The proposed electrical service installation shall be located within 10-ft. of the proposed traffic signal controller cabinet and shall be constructed in accordance with the utility company requirements.

MODEL NUMBER: 11/15/15
FILE NAME: 011515

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALES	CHECKED -	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VFW AND 14TH STREET GENERAL NOTES			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS, MED	TAZEWELL	41	4
			CONTRACT NO. 68H12	
		ILLINOIS	FED. AID PROJECT	

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				SAFETY	CONSTRUCTION
				0021	0020
				90% Federal 10% State	100% State
28000500	INLET AND PIPE PROTECTION	EACH	4	4	
28100225	STONE RIPRAP, CLASS B3	TONS	851.24		851.24
28200200	FILTER FABRIC	SQ YD	1866.48		1866.48
42000400	PORTLAND CEMENT CONCRETE PAVEMENT 9"	SQ YD	9.87	9.87	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	129.2	129.2	
* 42400800	DETECTABLE WARNINGS	SQ FT	26.5	26.5	
44000100	PAVEMENT REMOVAL	SQ YD	43.63	43.63	
44003100	MEDIAN REMOVAL	SQ YD	23	23	
44004250	PAVED SHOULDER REMOVAL	SQ YD	11.33	11.33	
44213204	TIE BARS, 3/4"	EACH	32	32	
48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SQ YD	7	7	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1.28	1.28	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	85	85	
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	48	48	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	71	71	

*= SPECIALTY ITEM

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PLOT DATE = 5/13/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	5
CONTRACT NO. 68H12			ILLINOIS FED. AID PROJECT	

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				SAFETY	CONSTRUCTION
				0021	0020
				90% Federal 10% State	100% State
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	56	56	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2616.34	2616.34	
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	2419.85	2419.85	
70306130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE III TAPE	FOOT	130	130	
70303140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE III TAPE	FOOT	1985.15	1985.15	
70306160	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE III TAPE	FOOT	147.8	147.8	
70306210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE III TAPE	FOOT	113	113	
70306100	TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS - TYPE III TAPE	SQ FT	187.2	187.2	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	69	69	
* 72000200	SIGN PANEL - TYPE 2	SQ FT	53.0	53.0	
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	36	36	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS	SQ FT	187.2	187.2	

*= SPECIALTY ITEM

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STATE OF ILLINOIS
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	6
CONTRACT NO. 68H12			ILLINOIS FED. AID PROJECT	

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				SAFETY	CONSTRUCTION
				0021	0020
				90% Federal 10% State	100% State
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2419.85	2419.85	
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	130	130	
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1985.15	1985.15	
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	147.8	147.8	
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	113	113	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	13	13	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	17	17	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2589.19	2589.19	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1.0	1.0	
* 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	30.0	30.0	
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	103.0	103.0	
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	435.0	435.0	
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3.0	3.0	
* 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0	1.0	
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1344.0	1344.0	

*= SPECIALTY ITEM

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				SAFETY	CONSTRUCTION
				0021	0020
				90% Federal 10% State	100% State
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	208.0	208.0	
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4.0	4.0	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	298.0	298.0	
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1498.5	1498.5	
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1651.0	1651.0	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	641.0	641.0	
* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1.0	1.0	
* 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1.0	1.0	
* 87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1.0	1.0	
* 87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1.0	1.0	
* 87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1.0	1.0	
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3.0	3.0	
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5	3.5	
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	32.0	32.0	
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42.0	42.0	

*= SPECIALTY ITEM

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SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	8
			CONTRACT NO. 68H12	
		ILLINOIS FED. AID PROJECT		

URBAN

CONSTRUCTION CODE

SAFETY	CONSTRUCTION
0021	0020
90% Federal 10% State	100% State

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY	CONSTRUCTION
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0	1.0	
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7.0	7.0	
* 88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0	4.0	
* 88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0	4.0	
* 88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2.0	2.0	
* 88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	1.0	1.0	
* 88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	16.0	16.0	
* X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0	1.0	
* X0325922	CELLULAR MODEM	EACH	1.0	1.0	
* X0326812	CAT 5 ETHERNET CABLE	FOOT	87.0	87.0	
* X1400399	VIDEO DETECTION SYSTEM COMPLETE	EACH	1.0	1.0	
* X1400434	DILEMMA ZONE DETECTION SYSTEM	EACH	2.0	2.0	
* X7240300	SIGN REMOVAL	EACH	4.0	4.0	
* X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1.0	1.0	
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4.0	4.0	

*= SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68H12	

48300400 PORTLAND CEMENT CONCRETE SHOULDERS 9"				
LOCATION	Foot	Width	SQ FT	SQ YD
Sta. 696+19.74 to Sta. 696+35.63	31.15	8-1	63	7
TOTAL				7

60600095 CLASS SI CONCRETE (OUTLET)				
LOCATION	Foot	Width	SQ FT	CU YD
LT Sta. 69+85.36 to Sta. 69+97.35	12.25	2.58-6.4'	46.4	1.28
TOTAL				1.28

60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	
LOCATION	FOOT
LT Sta. 69+97.35 to Sta. 70+34.57	85
TOTAL	85

60608562 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	
LOCATION	FOOT
Sta. 71+36.20 to Sta. 71+58.87	48
TOTAL	48

60618300 CONCRETE MEDIAN SURFACE, 4 INCH			
LOCATION	Foot	Width	SQ FT
Sta. 71+36.20 to Sta. 71+58.87			71
TOTAL			71

67100100 MOBILIZATION	
LOCATION	L.SUM
Jobsite	1
TOTAL	1

70102632 TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	
LOCATION	L.SUM
Jobsite	1
TOTAL	1

70102635 TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	
LOCATION	L.SUM
Jobsite	1
TOTAL	1

70107025 CHANGEABLE MESSAGE SIGN	
LOCATION	CAL DAY
Jobsite	56
TOTAL	56

72000100 SIGN PANEL - TYPE 1	
LOCATION	SQ FT
Signal Ahead RT STA. 692+00	9
Signal Ahead LT STA. 702+50	9
Signal Ahead RT Sta. 66+00	9
Signal Ahead LT Sta. 75+25	9
TOTAL	36

72400310 REMOVE SIGN PANEL - TYPE 1	
LOCATION	SQ FT
"14th St" RT STA. 692+00	9
"14th St" LT STA. 702+50	9
Stop Ahead RT Sta. 66+00	9
Stop Ahead LT Sta. 75+25	9
TOTAL	36

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
VFW & 14TH STREET**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	12
			CONTRACT NO. 68H12	
ILLINOIS FED. AID PROJECT				

TEMPORARY PAVEMENT MARKING TAPE TYPE III SCHEDULE

LOCATION	70300150 SHORT TERM REMOVAL SQ FT	70303120 LINE 4" FOOT	70303130 LINE 6" FOOT	70303140 LINE 8" FOOT	70303160 LINE 12" FOOT	70303210 LINE 24" FOOT	70306100 LETTERS & SYMBOLS SQ FT
Sta. 693+90.41 to Sta. 696+44.00	514.9	511.8	70	516.5			
Sta. 697+83.56 to Sta. 700+34.90	504.1	503.26	60	504.5			
Sta. 71+27.55 to Sta. 71+37.80	22.97	68.92					
Sta. 69+75.00 to Sta. 69+89.29	9.57	28.72					
NW Corner (edgeline)	111.0	333.1					
SW Corner (edgeline)	109.6	328.75					
NE Corner (edgeline)	100.4	301.3					
SE Corner (edgeline)	114.7	344					
Sta. 694+28.12 to Sta. 699+99.59	124.8						124.8
Sta. 71+36.95 & Sta. 71+47.95	31.2						31.2
Sta. 70+00.71 & Sta. 70+16.19	31.2						31.2
Sta. 696+48.00 to Sta. 697+62	177.1			354.25			
Sta. 69+75.00 to Sta. 70+29.71	36.5			54.7			
Sta. 70+07 to Sta. 70+56 (Island)	78.6			117.9			
Sta. 71+10 to Sta. 71+58 (Island)	78.6			117.9			
Sta. 71+31.61 to Sta. 71+75.00	28.9			43.4			
EB Left Turn Lane (Dotted Line)	20			30			
WB Left Turn Lane (Dotted Line)	62			93			
NB Left Turn Lane (Dotted Line)	54			81			
SB Left Turn Lane (Dotted Line)	48			72			
Sta. 693+90.41 to Sta. 696+44.00	55.9				55.9		
Sta. 697+83.56 to Sta. 700+34.90	55.9				55.9		
Sta. 696+79.15 to Sta. 696+99.45	18				18		
Sta. 697+34.25 to Sta. 697+54.54	18				18		
Sta. 696+44.00	24					12	
Sta. 697+83.56	30					15	
Sta. 70+29.71	47.5					23.75	
Sta. 70+27 to Sta. 70+34	29.5					14.75	
Sta. 71+21 to Sta. 71+29	40.5					20.25	
Sta. 71+31.61	54.5					27.25	
TOTAL	2631.94	2419.85	504.25	1630.9	147.8	113	187.2

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P.
RTE.

SCHEDULE OF QUANTITIES
VFW & 14TH STREET

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(117)TS,MED	TAZEWELL	41	13
		CONTRACT NO. 68H12	
ILLINOIS		FED. AID PROJECT	

MODIFIED URETHANE PAVEMENT MARKING SCHEDULE

LOCATION	78009000 LETTERS & SYMBOLS	78009004 LINE 4"	78009006 LINE 6" Skip Dash	78009008 LINE 8"	78009012 LINE 12"	78009024 LINE 24"
Sta. 693+90.41 to Sta. 696+44.00		511.8	70	516.5		
Sta. 697+83.56 to Sta. 700+34.90		503.26	60	504.5		
Sta. 71+27.55 to Sta. 71+37.80		21.11				
Sta. 69+75.00 to Sta. 69+89.29		28.72				
NW Corner (edgeline)		333.1				
SW Corner (edgeline)		328.75				
NE Corner (edgeline)		301.3				
SE Corner (edgeline)		344				
Sta. 694+28.12 to Sta. 699+99.59	124.8 (8 LT Arrows)					
Sta. 71+36.95 & Sta. 71+47.95	31.2 (LT & RT Arrows)					
Sta. 70+00.71 & Sta. 70+16.19	31.2 (LT & RT Arrows)					
Sta. 696+48.00 to Sta. 697+62				354.25 (Crossings)		
Sta. 69+75.00 to Sta. 70+29.71				54.7		
Sta. 70+07 to Sta. 70+56 (Island)				117.9		
Sta. 71+10 to Sta. 71+58 (Island)				117.9		
Sta. 71+31.61 to Sta. 71+75.00				43.4		
EB Left Turn Lane (Dotted Line)				30		
WB Left Turn Lane (Dotted Line)				93		
NB Left Turn Lane (Dotted Line)				81		
SB Left Turn Lane (Dotted Line)				72		
Sta. 693+90.41 to Sta. 696+44.00					55.9	
Sta. 697+83.56 to Sta. 700+34.90					55.9	
Sta. 696+79.15 to Sta. 696+99.45					18	
Sta. 697+34.25 to Sta. 697+54.54					18	
Sta. 696+44.00						12
Sta. 697+83.56						15
Sta. 70+29.71						23.75
Sta. 70+27 to Sta. 70+34						14.75
Sta. 71+21 to Sta. 71+29						20.25
Sta. 71+31.61						27.25
TOTAL	187.2	2419.85	130	1985.15	147.8	113

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
VFV & 14TH STREET			
SCALE: N.T.S.	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	14
			CONTRACT NO. 68H12	
		ILLINOIS	FED. AID PROJECT	

78100100 RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION	EACH
Sta. 693+92.00 to Sta. 694+44.00	7
Sta. 697+83.56 to Sta. 700+33.36	6
TOTAL	13

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	EACH
Sta. 693+92.00 to Sta. 696+72.86	9
Sta. 697+60.81 to Sta. 700+33.36	8
TOTAL	17

78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING			
LOCATION	Foot	Width	SQ FT
Sta. 693+91.93 to Sta. 696+58.14	1132.5	8	755
Sta. 697+72.53 to Sta. 700+34.90	1099.3	8	732.87
Sta. 693+92.00 to Sta. 696+72.86	266	4	88.67
Sta. 697+60.81 to Sta. 700+34.90	2614	4	871.33
Sta. 693+91.93 to Sta. 696+58.14	36.66	12	36.66
Sta. 697+72.53 to Sta. 700+34.90	36.66	12	36.66
Sta. 71+26.01	24	24	48
Sta. 71+15.49 to Sta. 71+26.01	21.75	8	14.5
Sta. 71+15.49 to Sta. 71+26.01	5.5	12	5.5
TOTAL			2589.19

X7240300 SIGN REMOVAL	
LOCATION	EACH
RT Sta. 70+25	1
RT Sta. 70+29	1
LT Sta. 71+27	1
LT Sta. 71+35	1
TOTAL	4

Z0013798 CONSTRUCTION LAYOUT	
LOCATION	L.SUM
Jobsite	1
TOTAL	1

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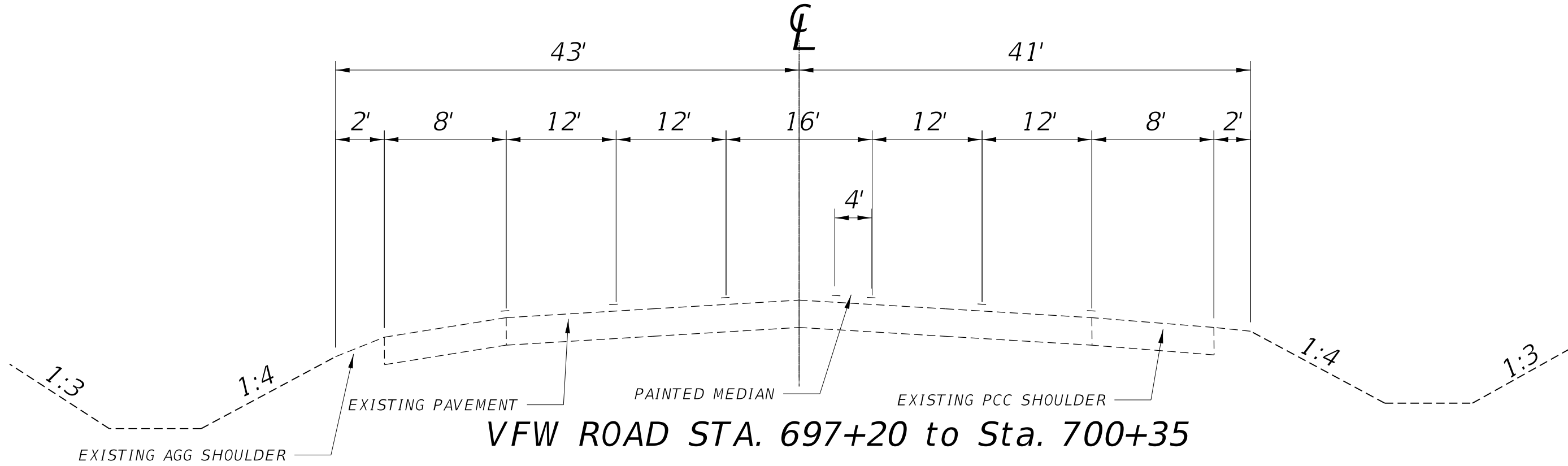
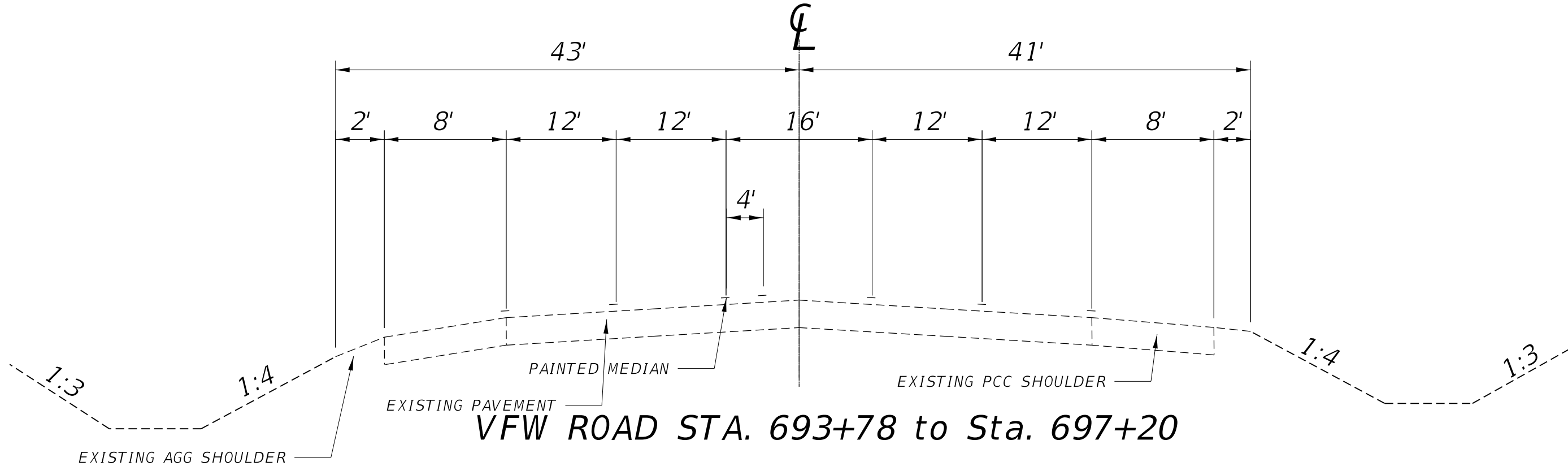
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
VFV & 14TH STREET

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	15
CONTRACT NO. 68H12			ILLINOIS FED. AID PROJECT	



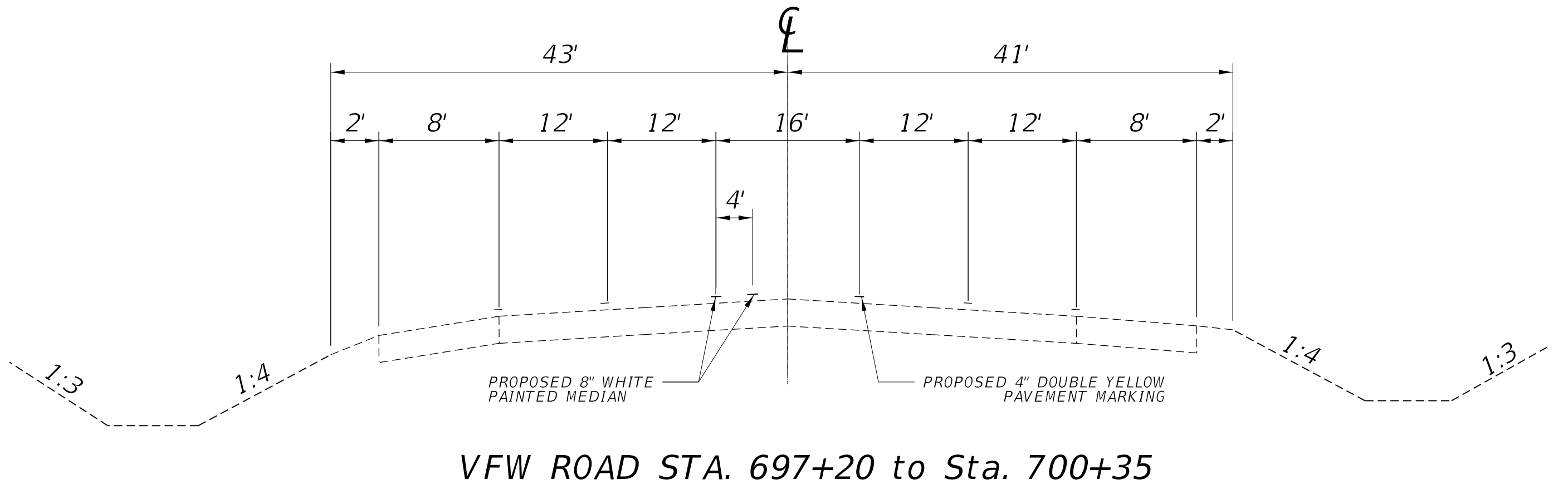
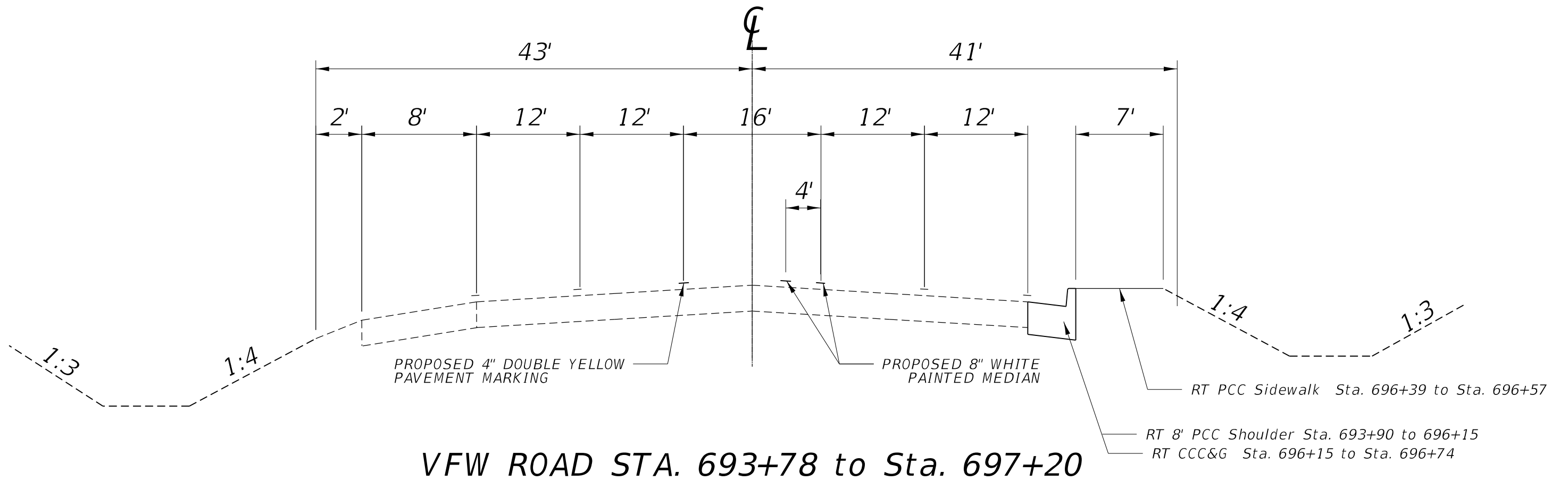
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS VFW ROAD				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68H12	



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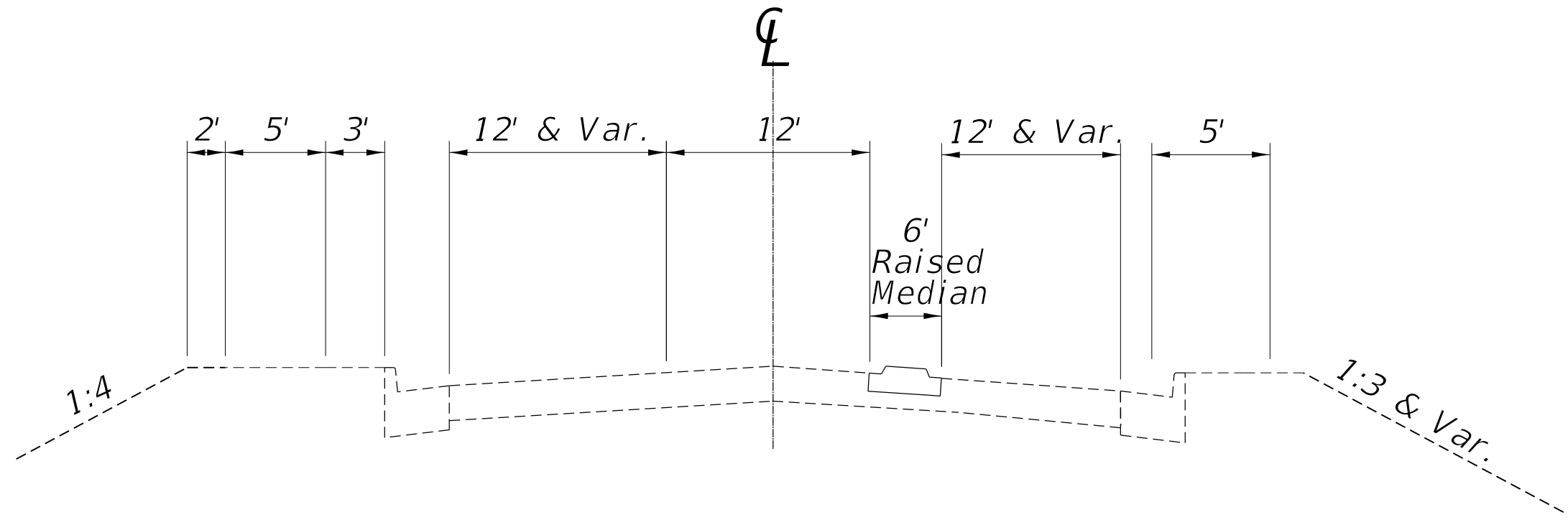
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
VFW ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	18
			CONTRACT NO. 68H12	
ILLINOIS FED. AID PROJECT				



14TH ST STA. 71+24 to Sta. 71+59

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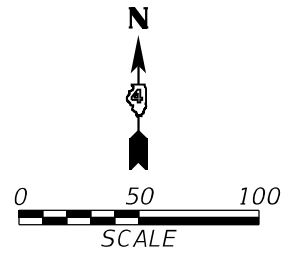
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

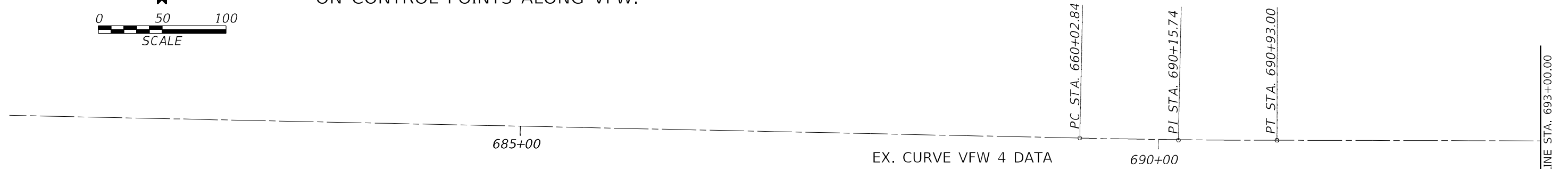
EXISTING TYPICAL SECTIONS
 VFW ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	19
			CONTRACT NO. 68H12	
ILLINOIS FED. AID PROJECT				

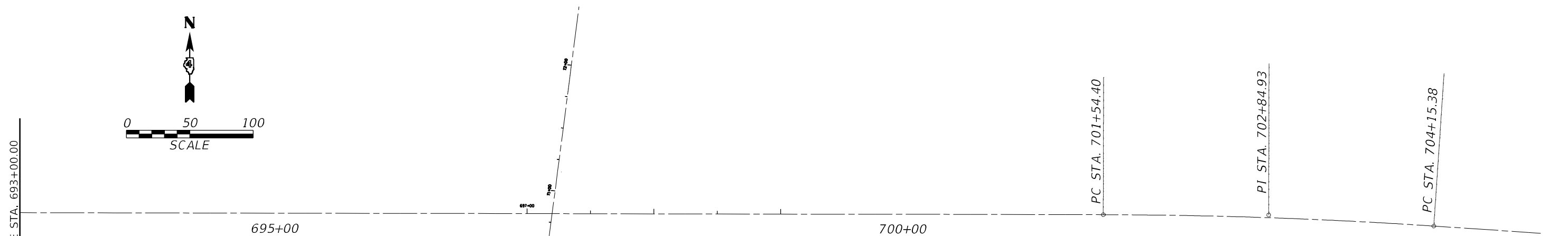
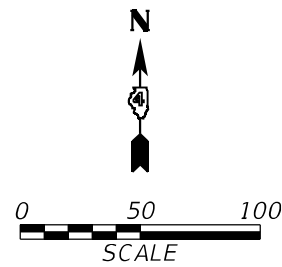


NOTE:
 TRANSVERSE POINT INFORMATION BASED ON OLD PLAN INFORMATION
 WAS NOT ABLE TO BE IDENTIFIED IN THE FIELD. THE CONTRACTOR SHALL
 CONTACT ROBERT STICKELMAIER AT 309-671-3217 FOR INFORMATION
 ON CONTROL POINTS ALONG VFW.



EX. CURVE VFW 4 DATA
 P.I. STA= 690+15.74
 Δ = 1°06'24" (LT)
 D=
 R= 8,000.00'
 T= 77.26'
 L= 154.52'
 E= 0.37'
 e= NC
 T.R.=
 S.E. RUN=
 P.C. STA= 689+38.48
 P.T. STA= 690+93.00

ALIGNMENT COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
P.I. CURVE NO. 4	690+15.74	46315.03	38221.48
P.I. CURVE NO. 5	702+84.93	46315.03	39487.54



EX. CURVE VFW 5 DATA
 P.I. STA= 702+84.93
 Δ = 3°44'18" (RT)
 D=
 R= 4,000.00'
 T= 130.54'
 L= 260.98'
 E= 2.13'
 e= NC
 T.R.=
 S.E. RUN=
 P.C. STA= 701+54.40
 P.T. STA= 704+15.38

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

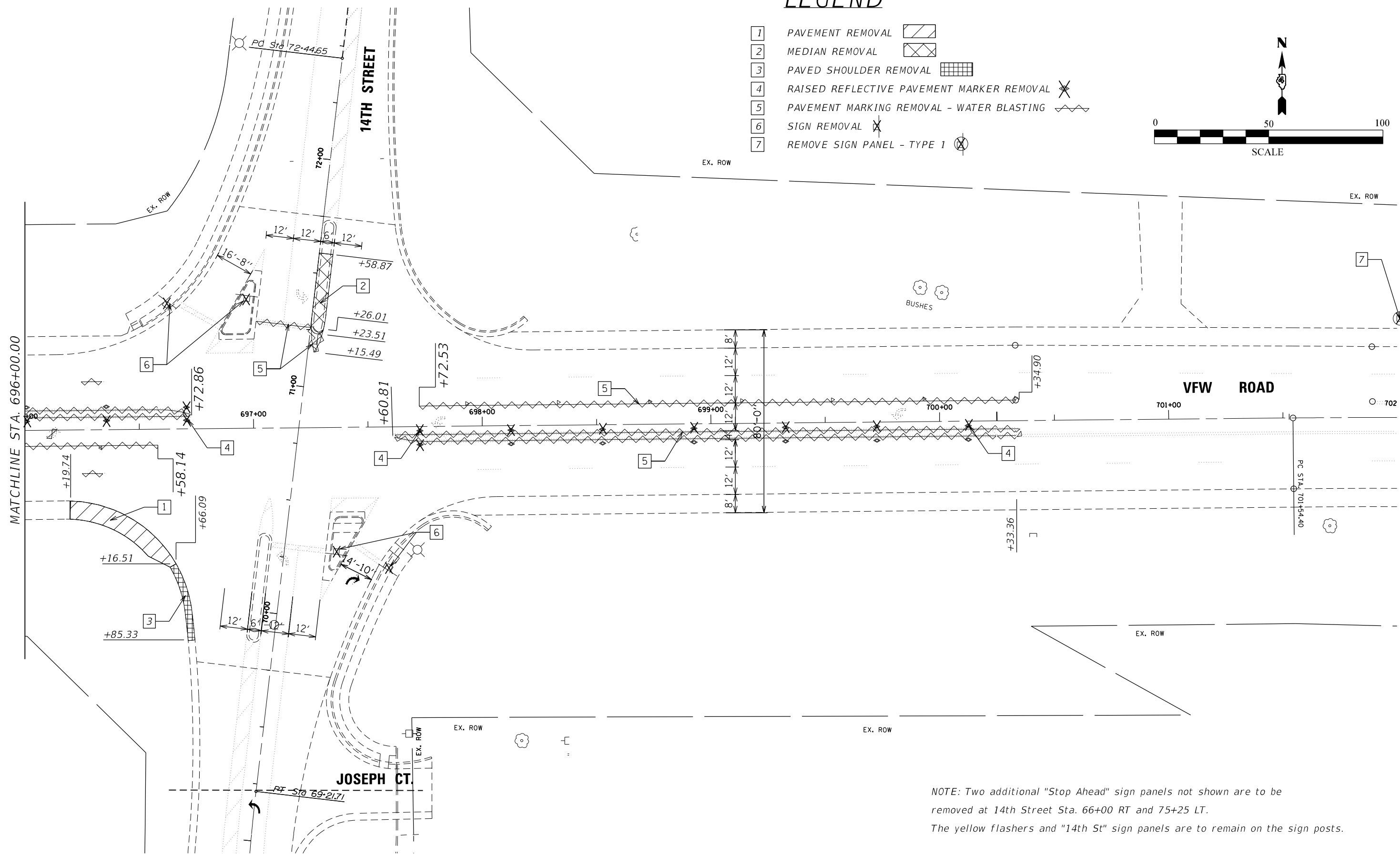
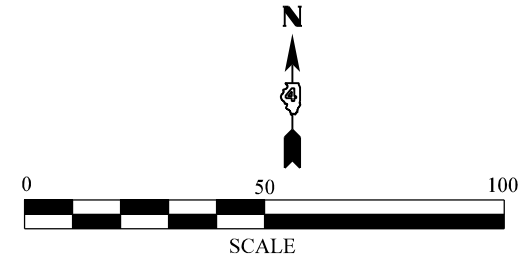
VFW AND 14TH STREET
 BENCHMARK & CONTROL POINTS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS, MED	TAZEWELL	41	20
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

LEGEND

- 1 PAVEMENT REMOVAL
- 2 MEDIAN REMOVAL
- 3 PAVED SHOULDER REMOVAL
- 4 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
- 5 PAVEMENT MARKING REMOVAL - WATER BLASTING
- 6 SIGN REMOVAL
- 7 REMOVE SIGN PANEL - TYPE 1



NOTE: Two additional "Stop Ahead" sign panels not shown are to be removed at 14th Street Sta. 66+00 RT and 75+25 LT.
The yellow flashers and "14th St" sign panels are to remain on the sign posts.

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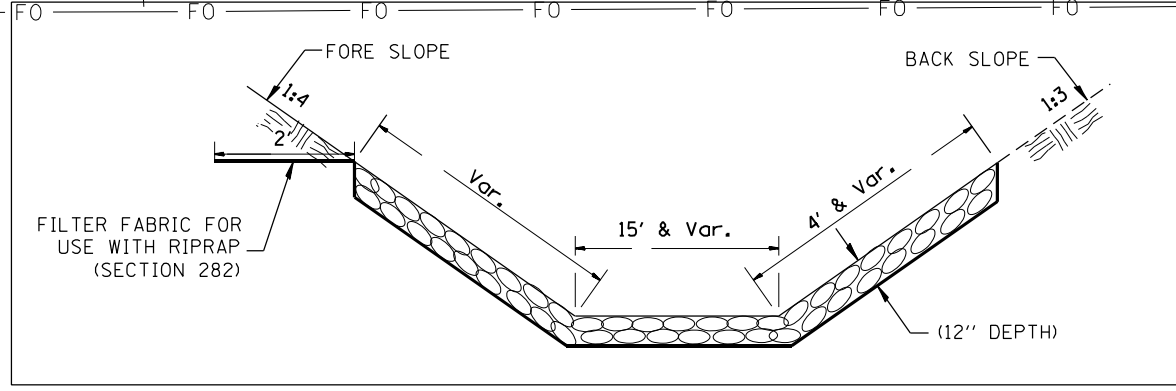
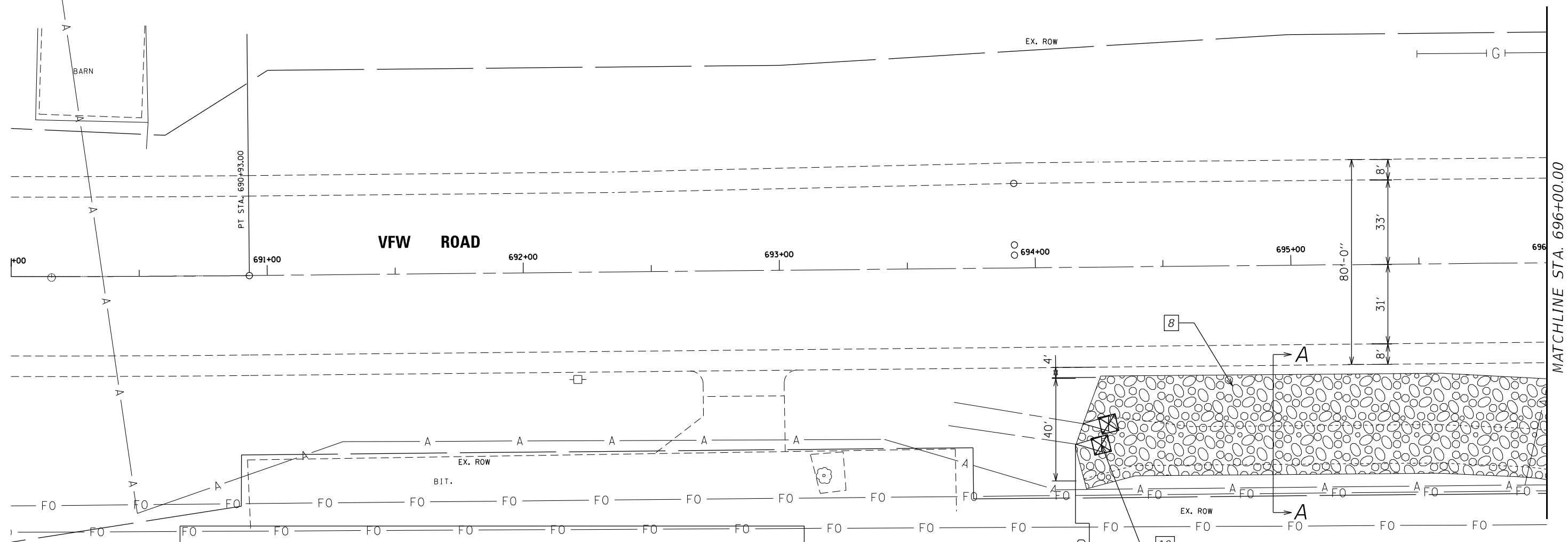
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**VFW AND 14TH STREET
REMOVAL PLANS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117) TS, MED	TAZEWELL	41	22
			CONTRACT NO. 68H12	
ILLINOIS FED. AID PROJECT				



SECTION A-A

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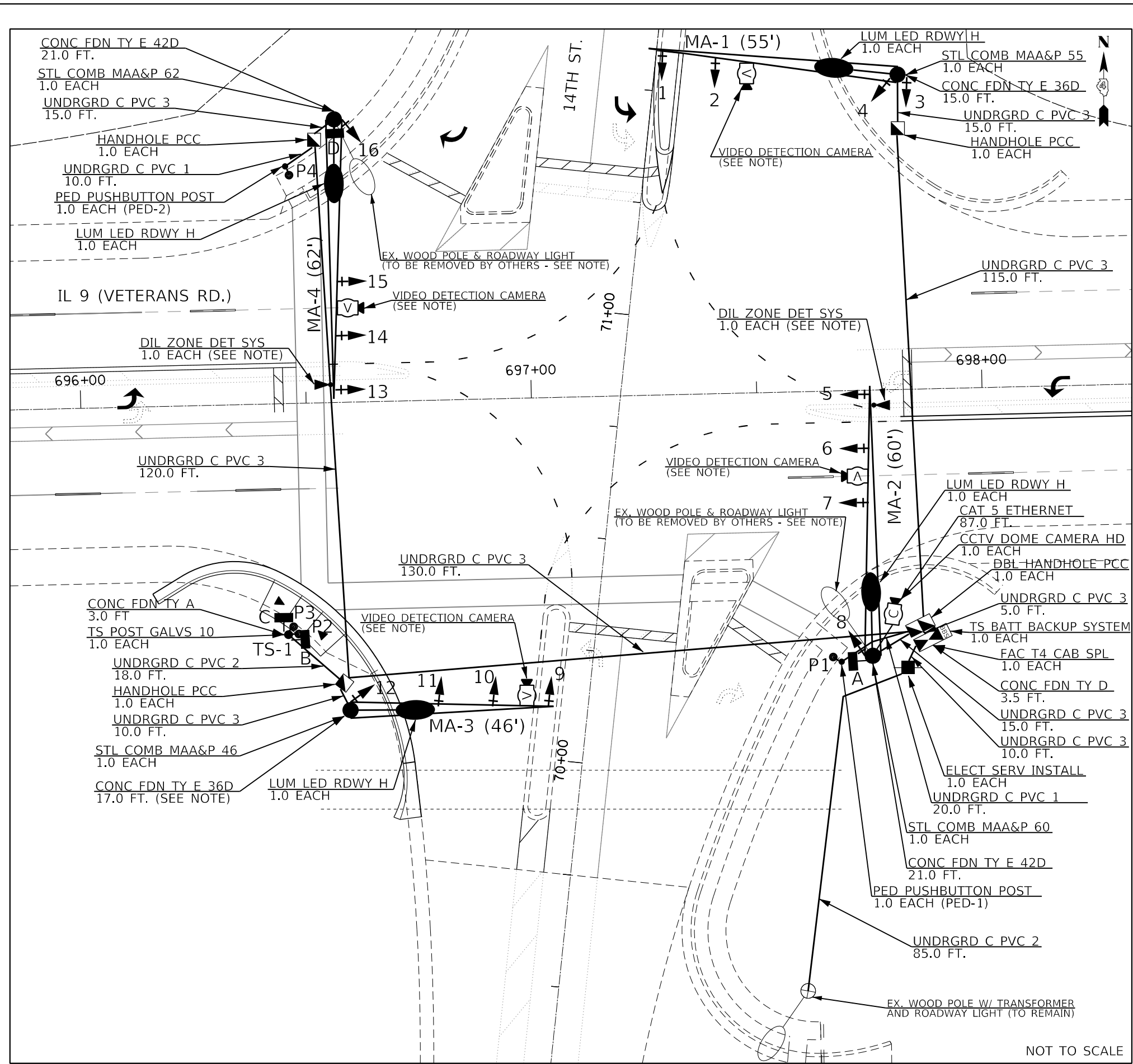
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**VFW AND 14TH STREET
PROPOSED PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(117) TS, MED	TAZEWELL	41	23
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
CHANGEABLE MESSAGE SIGN	CAL DA	56.0
SIGN PANEL - TYPE 1	SQ FT	33.0
SIGN PANEL - TYPE 2	SQ FT	53.0
ELECTRIC SERVICE INSTALLATION	EACH	1.0
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	30.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	103.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	435.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3.0
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1344.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	208.0
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	298.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1498.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1651.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING	FOOT	641.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	3.0
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	32.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	16.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
CELLULAR MODEM	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	87.0
VIDEO DETECTION SYSTEM COMPLETE	EACH	1.0
DILEMMA ZONE DETECTION SYSTEM	EACH	2.0
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1.0
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4.0
PEDESTRIAN PUSH-BUTTON POST	EACH	2.0
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1.0

- NOTES:
1. THE CONTRACTOR SHALL FURNISH AND INSTALL TWO RED SIGNAL HEADS, ONE YELLOW SIGNAL HEAD, AND ONE GREEN SIGNAL HEAD FOR EACH OF THE PROPOSED SIGNAL HEADS 6, 7, 14, 15 AS SHOWN IN THE PLANS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICES OF THE SIGNAL HEADS.
 2. THE CONCRETE FOUNDATION FOR MA-3 IS TO BE 17.0 FT, WITH THE ENTIRE LENGTH TO BE INSTALLED UNDERGROUND.
 3. THE DILEMMA ZONE DETECTOR INSTALLED ON MA-2 SHALL BE ORIENTED TO DETECT WB TRAFFIC. THE DILEMMA ZONE DETECTOR INSTALLED ON MA-4 SHALL BE ORIENTED TO DETECT EB TRAFFIC.
 4. ONE CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED IN EACH DIRECTION ON IL 9 (VETERANS), PLACED 1500 FT IN ADVANCE OF THE INTERSECTION, FOR THE 14 DAYS PRIOR TO AND THE 14 DAYS FOLLOWING THE TRAFFIC SIGNAL TURN ON.
 5. THE CONTRACTOR SHALL FURNISH AND INSTALL A FOUR CAMERA VIDEO DETECTION SYSTEM, WITH ONE CAMERA INSTALLED ON EACH MAST ARM.
 6. ALL PEDESTRIAN PUSHBUTTONS (P1,P2,P3, AND P4) SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS (APS) PUSHBUTTONS.
 7. THE CONTRACTOR SHALL COORDINATE WITH AMEREN AND THE CITY OF PEKIN ON THE REMOVAL OF THE EXISTING WOOD POLES WITH ROADWAY LIGHTING IN THE SOUTHEAST AND NORTHWEST QUADRANTS TO ACCOMODATE THE INSTALLATION OF THE PROPOSED MAST ARMS.

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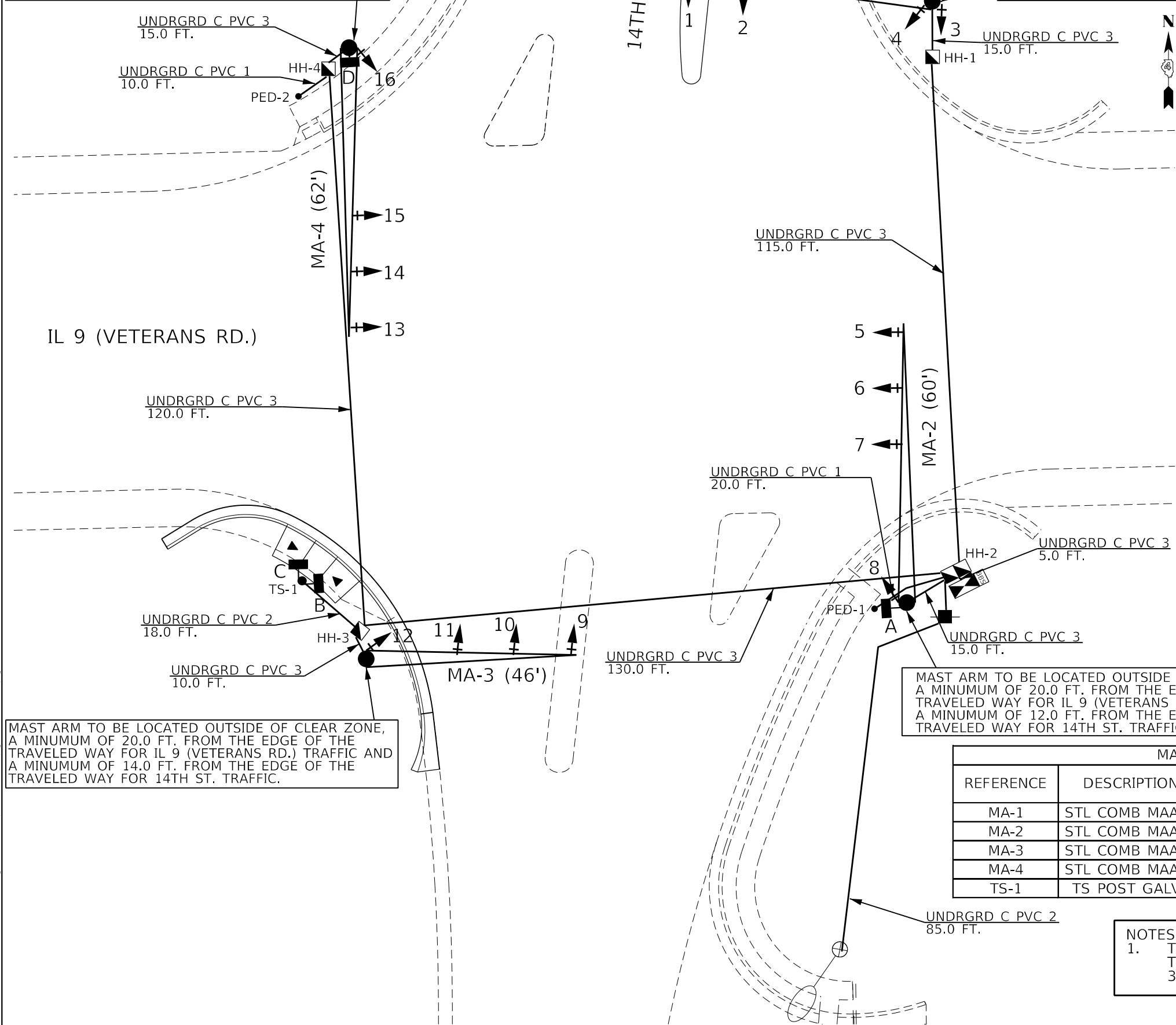
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS IL 9 (VETERANS RD.) & 14TH ST. - PEKIN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	25
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

MAST ARM TO BE LOCATED OUTSIDE OF CLEAR ZONE, A MINIMUM OF 24.0 FT. FROM THE EDGE OF THE TRAVELED WAY FOR IL 9 (VETERANS RD.) TRAFFIC AND A MINIMUM OF 14.0 FT. FROM THE EDGE OF THE TRAVELED WAY FOR 14TH ST. TRAFFIC.

MAST ARM TO BE LOCATED OUTSIDE OF CLEAR ZONE, A MINIMUM OF 24.0 FT. FROM THE EDGE OF THE TRAVELED WAY FOR IL 9 (VETERANS RD.) TRAFFIC AND A MINIMUM OF 12.0 FT. FROM THE EDGE OF THE TRAVELED WAY FOR 14TH ST. TRAFFIC.



MINIMUM CLEAR ZONE DISTANCES		
STRUCTURE	DISTANCE FROM THE EDGE OF TRAVELED WAY	
	IL 9 (VETERANS)	14TH ST.
MA-1	24 FT	12 FT
MA-2	20 FT	12 FT
MA-3	20 FT	14 FT
MA-4	24 FT	14 FT

SIGNAL HEAD SCHEDULE			
QTY.	UNIT	DESCRIPTION	LOCATION
1.0	EACH	SH P LED 1F 3S BM	3
7.0	EACH	SH P LED 1F 3S MAM	2,6*,7*,10,11,14*,15*
4.0	EACH	SH P LED 1F 4S BM	4,8,12,16
4.0	EACH	SH P LED 1F 4S MAM	1,5,9,13
2.0	EACH	PED SH P LED 1F BM CT	A,D
1.0	EACH	PED SH P LED 2F BM CT	B/C
16.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6*,7*,8,9,10,11,12,13,14*,15*,16

* DOUBLE RED SIGNAL HEAD

HANDHOLE SCHEDULE		
DESCRIPTION	TYPE	LOCATION
HH-1	SINGLE	NE QUAD
HH-2	DOUBLE	SE QUAD
HH-3	SINGLE	SW QUAD
HH-4	SINGLE	NW QUAD

MAST ARM TO BE LOCATED OUTSIDE OF CLEAR ZONE, A MINIMUM OF 20.0 FT. FROM THE EDGE OF THE TRAVELED WAY FOR IL 9 (VETERANS RD.) TRAFFIC AND A MINIMUM OF 14.0 FT. FROM THE EDGE OF THE TRAVELED WAY FOR 14TH ST. TRAFFIC.

MAST ARM TO BE LOCATED OUTSIDE OF CLEAR ZONE, A MINIMUM OF 20.0 FT. FROM THE EDGE OF THE TRAVELED WAY FOR IL 9 (VETERANS RD.) TRAFFIC AND A MINIMUM OF 12.0 FT. FROM THE EDGE OF THE TRAVELED WAY FOR 14TH ST. TRAFFIC.

MAST ARM AND TRAFFIC SIGNAL POST SCHEDULE								
REFERENCE	DESCRIPTION	LENGTH	FOUNDATION			LOCATION		
			DIAMETER	TYPE	DEPTH	QUADRANT	STATION	OFFSET
MA-1	STL COMB MAA&P	55 FT.	36 INCH	TYPE E	15.0 FT	NE QUAD	71+59.20	57.0 RT
MA-2	STL COMB MAA&P	60 FT.	42 INCH	TYPE E	21.0 FT	SE QUAD	697+74.32	59.0 RT
MA-3	STL COMB MAA&P	46 FT.	36 INCH	TYPE E	17.0 FT	SW QUAD	696+58.43	68.3 RT
MA-4	STL COMB MAA&P	56 FT.	42 INCH	TYPE E	21.0 FT	NW QUAD	71+36.34	69.6 LT
TS-1	TS POST GALVS	10 FT.	24 INCH	TYPE A	3.0 FT	SW QUAD	696+44.92	51.3 RT

NOTES:
1. THE CONTRACTOR SHALL CONTACT BEN TELLEFSON, TRAFFIC DESIGN & PLANNING ENGINEER, AT 309-671-4477 AFTER LAYOUT TO CONFIRM LOCATIONS.

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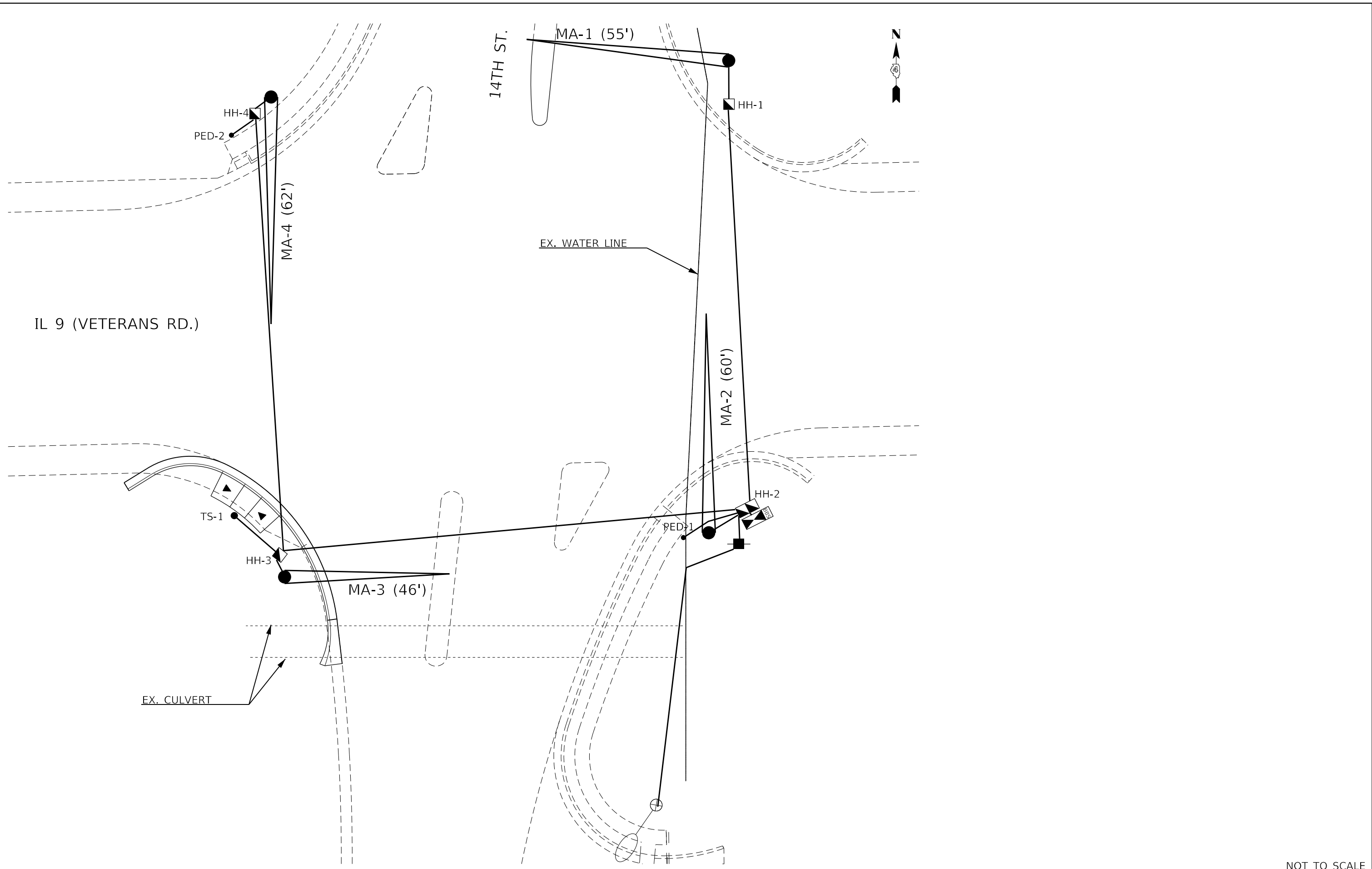
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, FOUNDATION AND HANDHOLE LAYOUT
IL 9 (VETERANS RD.) & 14TH ST. - PEKIN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68H12	

NOT TO SCALE

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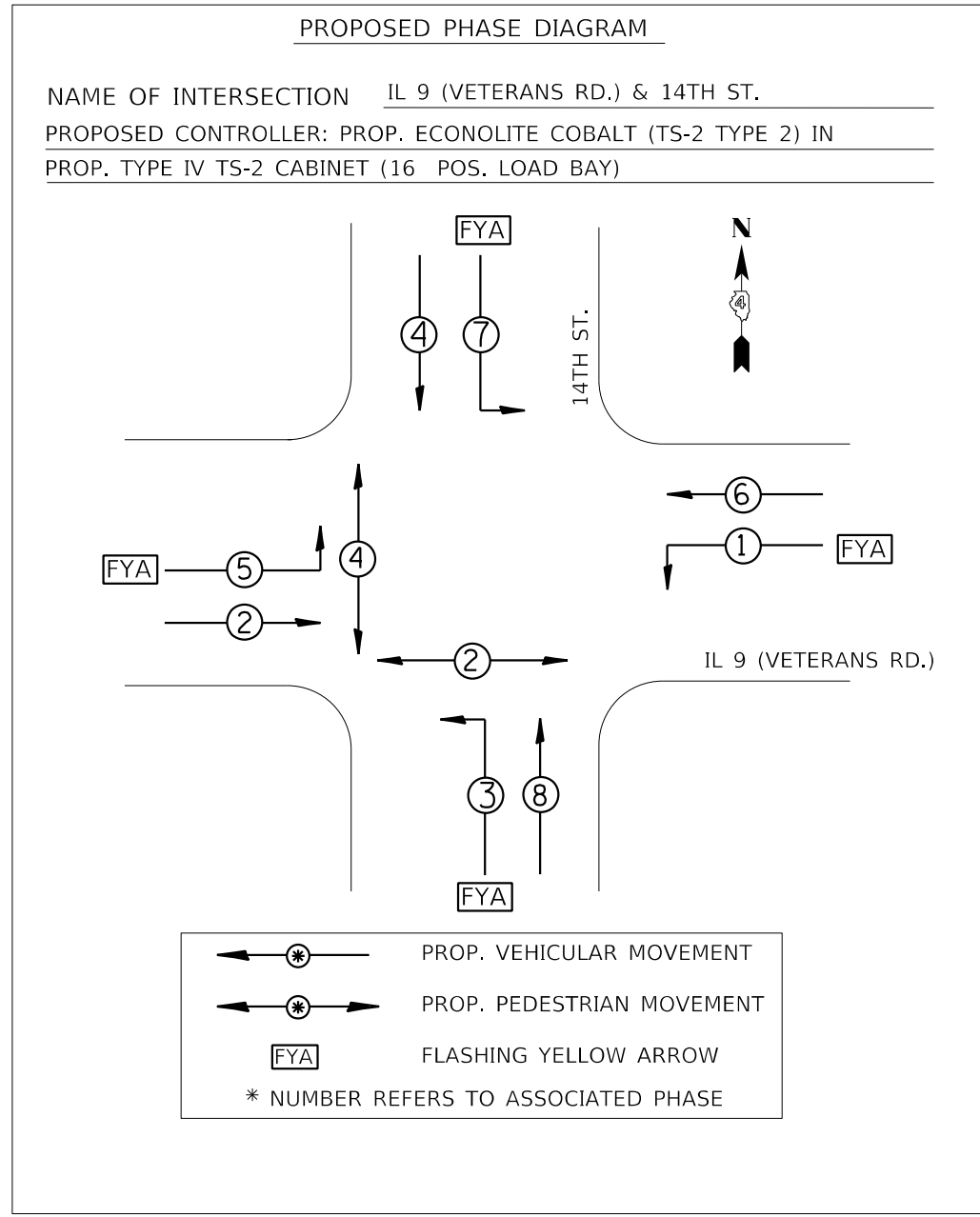
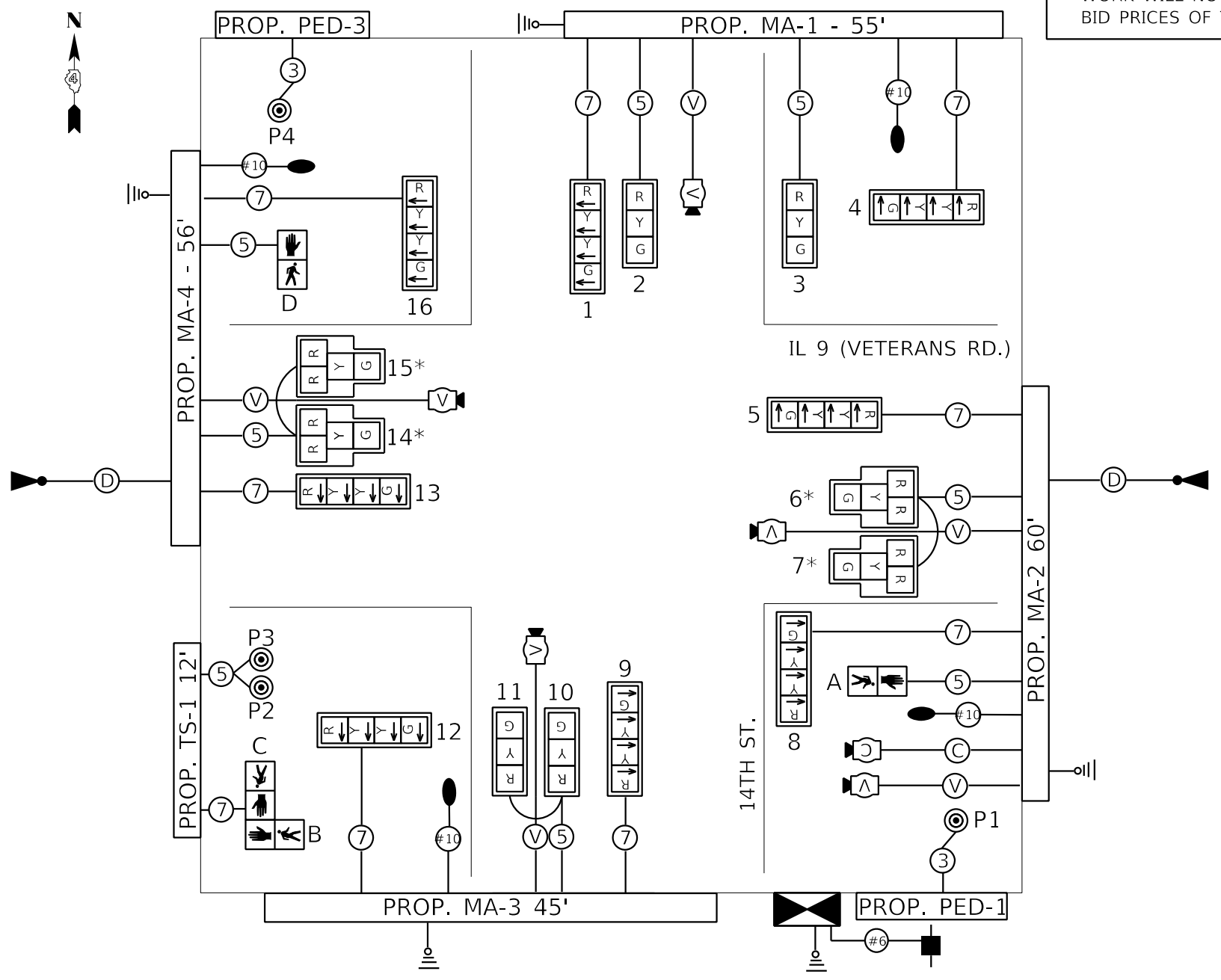
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFI SIGNALS & EXISTING UTILITY LOCATIONS
IL 9 (VETERANS RD.) & 14TH ST. – PEKIN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	27
CONTRACT NO. 68H12			ILLINOIS FED. AID PROJECT	

* THE CONTRACTOR SHALL FURNISH AND INSTALL TWO RED SIGNAL HEADS, ONE YELLOW SIGNAL HEAD, AND ONE GREEN SIGNAL HEAD FOR EACH OF THE PROPOSED SIGNAL HEADS 6, 7, 14, 15 AS SHOWN IN THE PLANS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICES OF THE SIGNAL HEADS.



- | | | | | | |
|--|---|--|---|--|--------------------------------|
| | PROP. TRAFFIC SIGNAL CONTROLLER CABINET | | PROP. 3 SEC. SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE | | PROP. 3/C NO. 14 SIGNAL CABLE |
| | PROP. ELECTRIC SERVICE | | PROP. PEDESTRIAN SIGNAL HEAD | | PROP. 5/C NO. 14 SIGNAL CABLE |
| | PROP. GROUND/SAFETY BOND | | PROP. PEDESTRIAN PUSHBUTTON (APS) | | PROP. 7/C NO. 14 SIGNAL CABLE |
| | PROP. ROADWAY LUMINAIRE | | PROP. CCTV CAMERA | | PROP. MICROWAVE DETECTOR CABLE |
| | PROP. VEHICLE DETECTION CAMERA | | PROP. 1/C NO. 6 CABLE X 2 | | PROP. VIDEO DETECTOR CABLE |
| | PROP. MICROWAVE DETECTION UNIT | | PROP. 1/C NO. 10 CABLE X 2 | | |

ALL PROPOSED LUMINAIRES SHALL OPERATE AT 120V AND SHALL BE CONTROLLED FROM A 20A CIRCUIT BREAKER AND BUTTON PHOTOCELL LOCATED INSIDE THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET. THE COST OF THE CIRCUIT BREAKER, PHOTOCELL, WIRING, ETC. REQUIRED SHALL BE INCLUDED IN THE COST OF THE TRAFFIC SIGNAL CABINET.

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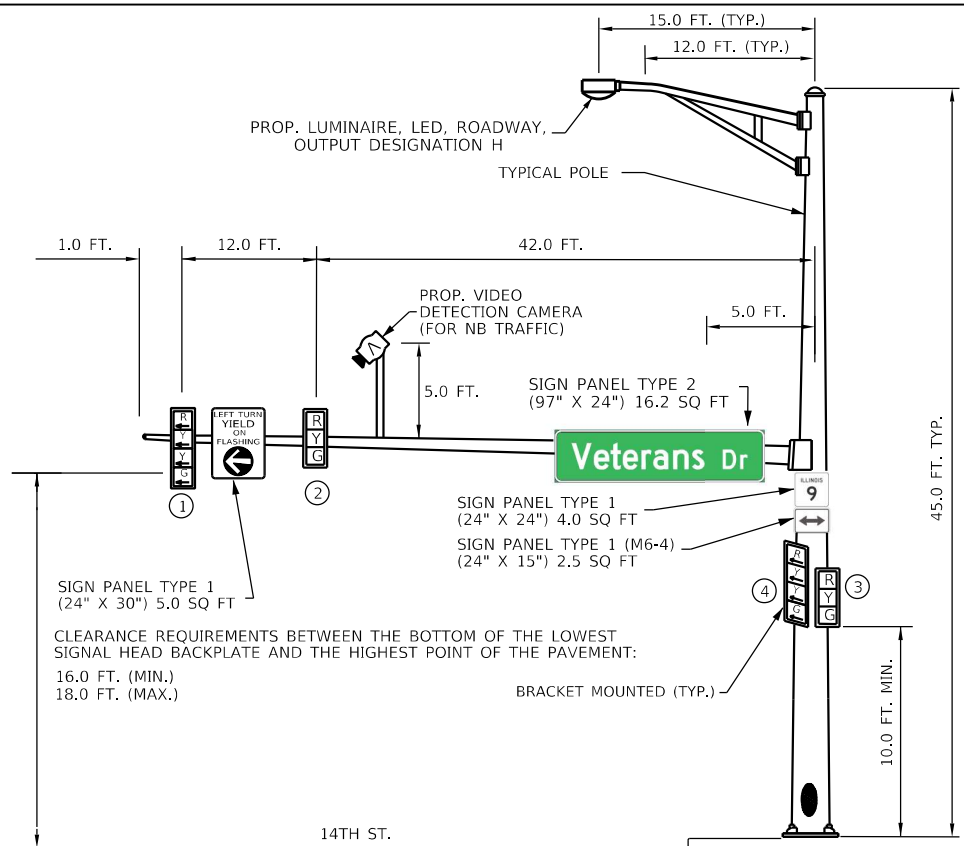
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

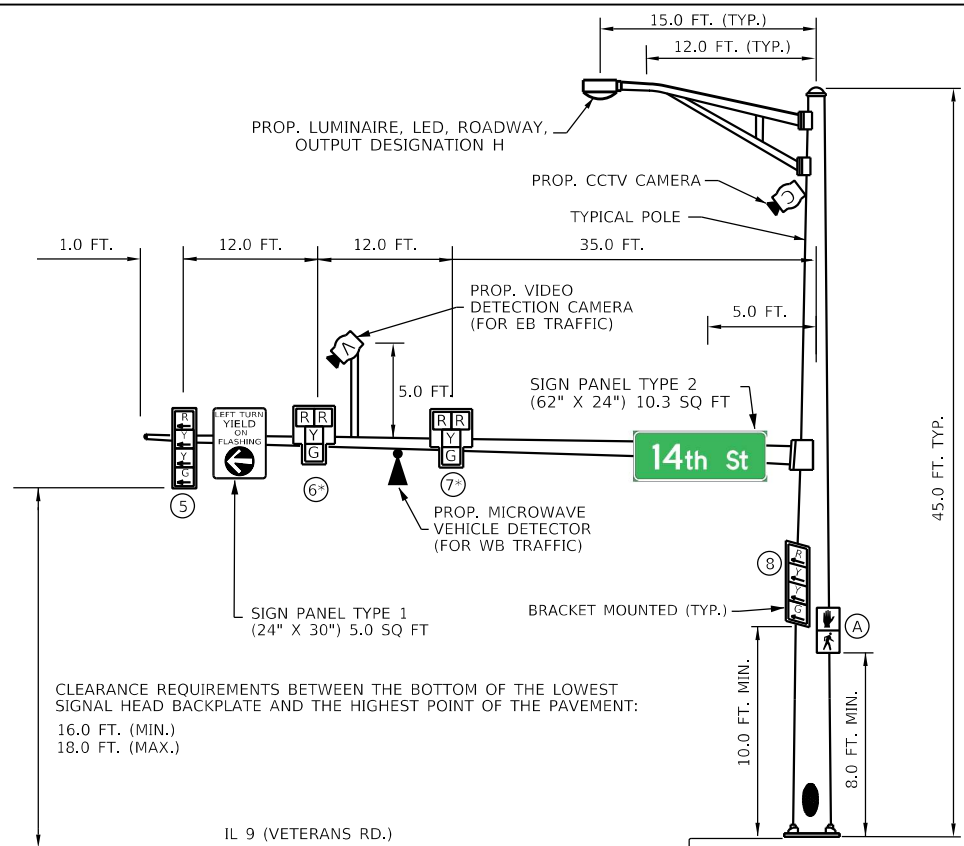
PROPOSED CIRCUIT AND PHASE DIAGRAMS			
IL 9 (VETERANS RD.) & 14TH ST. - PEKIN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	28
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

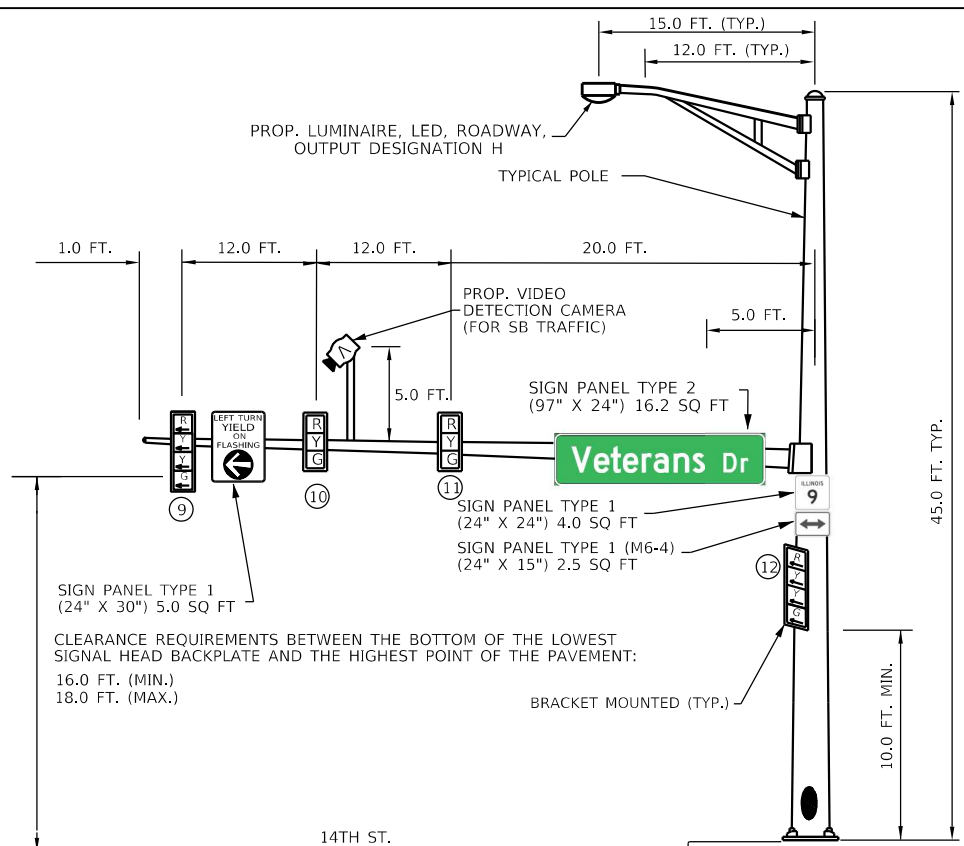
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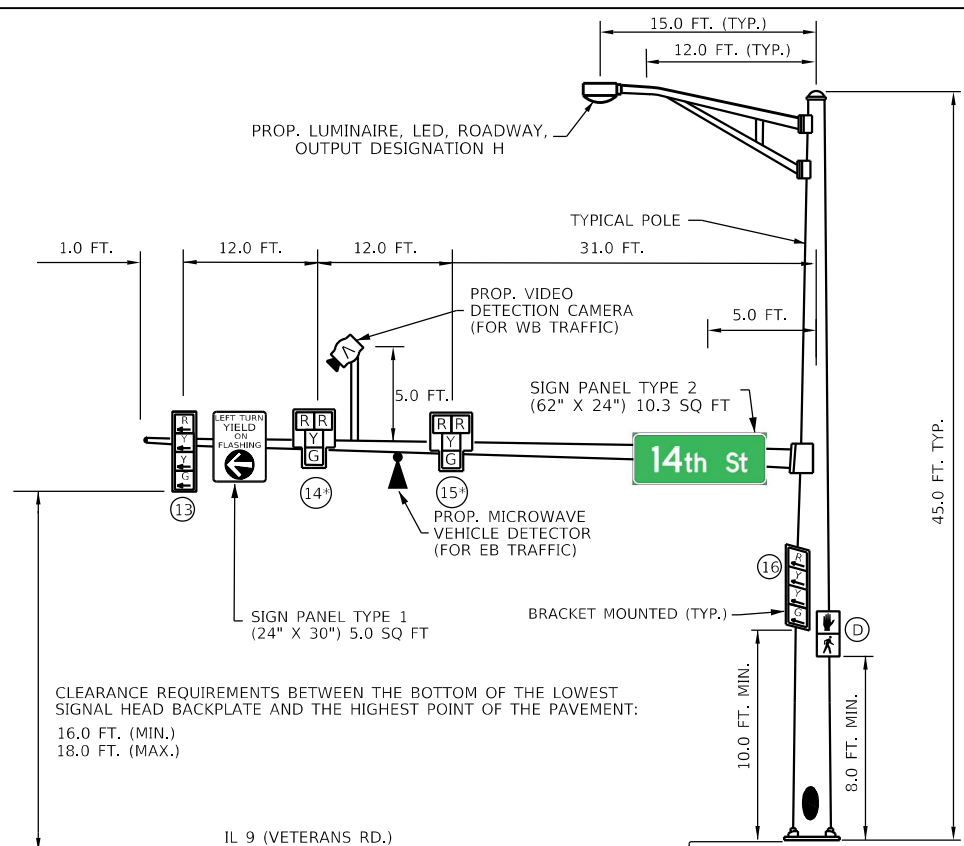
NORTHBOUND TRAFFIC SIGNAL
NORTHEAST QUADRANT
PROP. MA-1 (55')



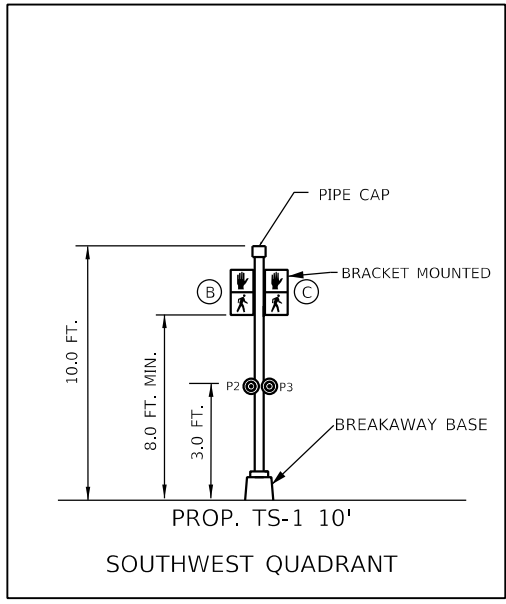
EASTBOUND TRAFFIC SIGNAL
SOUTHEAST QUADRANT
PROP. MA-2 (60')



SOUTHBOUND TRAFFIC SIGNAL
SOUTHWEST QUADRANT
PROP. MA-3 (46')



WESTBOUND TRAFFIC SIGNAL
NORTHWEST QUADRANT
PROP. MA-4 (62')



THE CONTRACTOR SHALL FURNISH AND INSTALL TWO RED SIGNAL HEADS, ONE YELLOW SIGNAL HEAD, AND ONE GREEN SIGNAL HEAD FOR EACH OF THE PROPOSED SIGNAL HEADS 6, 7, 14, 15 AS SHOWN IN THE PLANS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICES OF THE SIGNAL HEADS.

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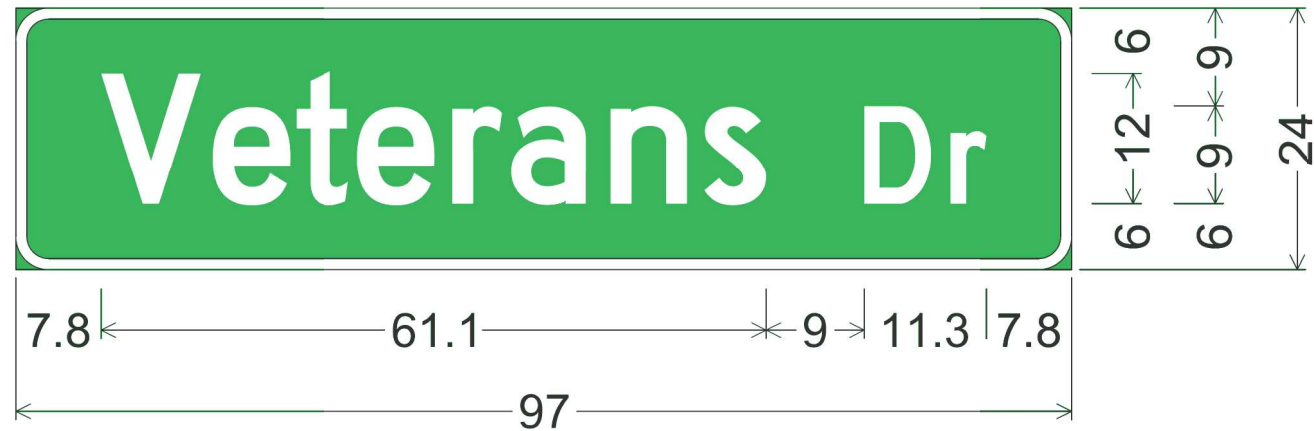
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PLOT DATE = 5/13/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
IL 9 (VETERANS RD.) & 14TH ST. - PEKIN**

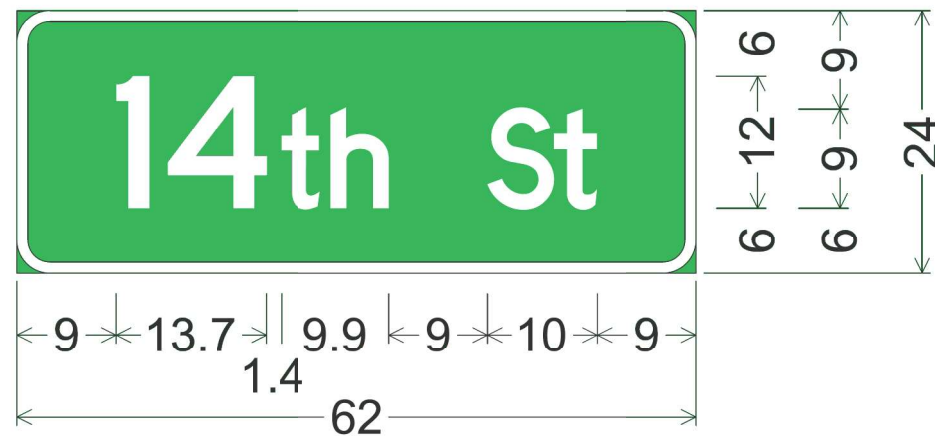
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	29
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE



3.0" Radius, 1.0" Border, White on Green;
 "Veterans Dr", D 2K;
 Table of distances between letter and object lefts

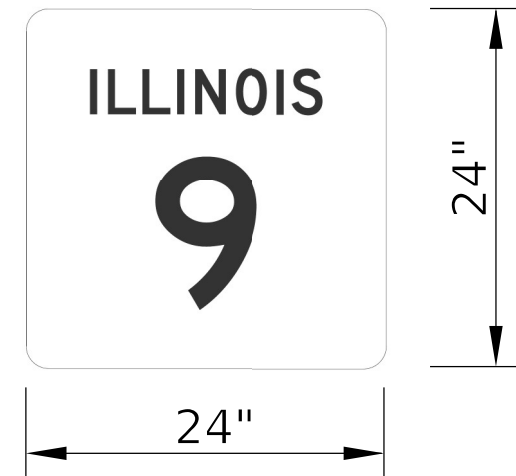
	V	e	t	e	r	a	n	s	D	r	
7.8	10.2	7.7	5.6	8.8	5.4	9.1	8.6	14.7	7.9	3.4	7.8



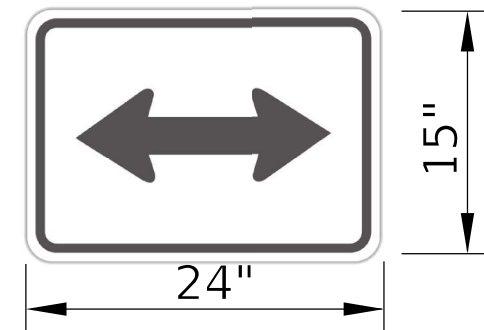
3.0" Radius, 1.0" Border, White on Green;
 "14th " D 2K "St", Highway D;
 Table of distances between letter and object lefts

	l	4	t	h	s	t	
9.0	4.7	10.4	4.6	14.3	6.0	4.0	9.0

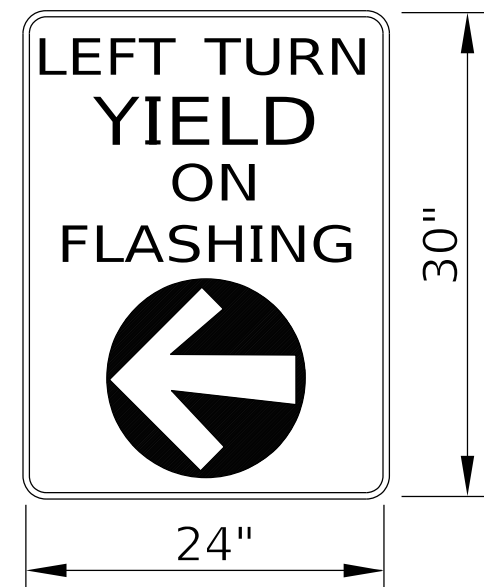
ILLINOIS 9 ROUTE SIGN



DIRECTIONAL ARROW SIGN
(M6-4)



FLASHING YELLOW ARROW SIGN



NOT TO SCALE

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PLOT DATE = 5/13/2022	DATE -	REVISED -

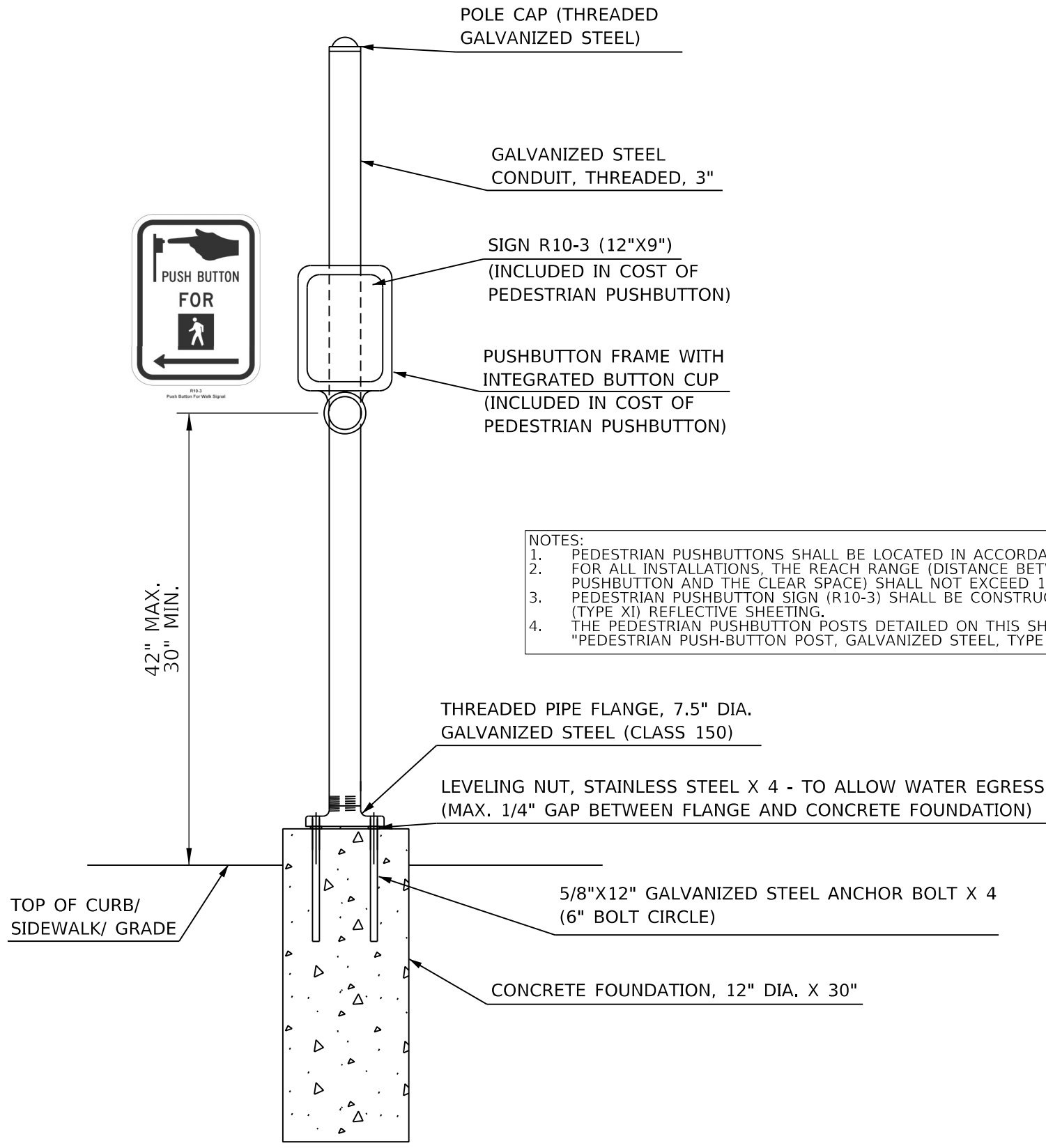
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

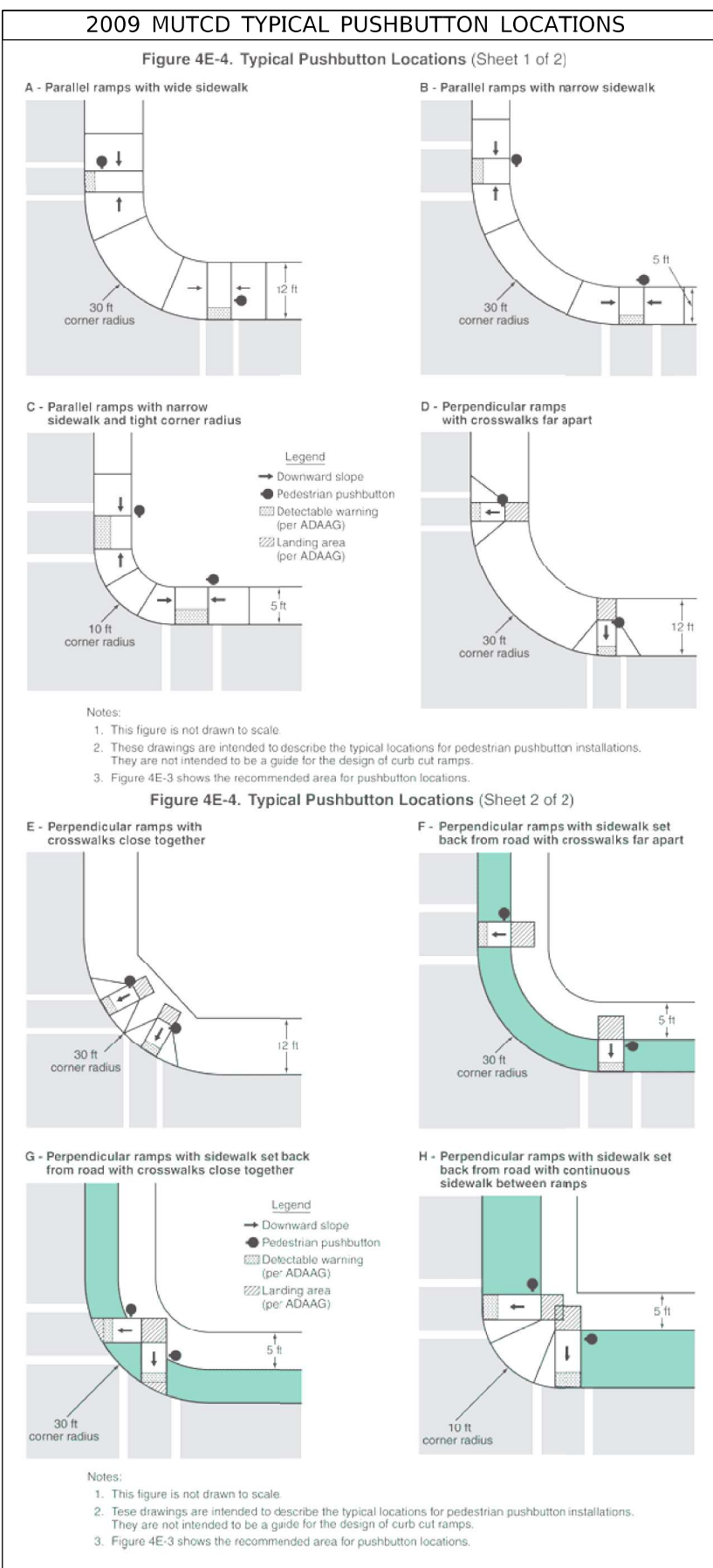
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	30
CONTRACT NO. 68H12			ILLINOIS FED. AID PROJECT	

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PEDESTRIAN PUSHBUTTON POST

- NOTES:**
1. PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED IN ACCORDANCE WITH THE 2009 MUTCD.
 2. FOR ALL INSTALLATIONS, THE REACH RANGE (DISTANCE BETWEEN THE FACE OF PEDESTRIAN PUSHBUTTON AND THE CLEAR SPACE) SHALL NOT EXCEED 10 INCHES.
 3. PEDESTRIAN PUSHBUTTON SIGN (R10-3) SHALL BE CONSTRUCTED USING DIAMOND GRADE (TYPE XI) REFLECTIVE SHEETING.
 4. THE PEDESTRIAN PUSHBUTTON POSTS DETAILED ON THIS SHEET SHALL BE PAID FOR AS "PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE 1."



- Notes:**
1. This figure is not drawn to scale.
 2. These drawings are intended to describe the typical locations for pedestrian pushbutton installations. They are not intended to be a guide for the design of curb cut ramps.
 3. Figure 4E-3 shows the recommended area for pushbutton locations.

NOT TO SCALE

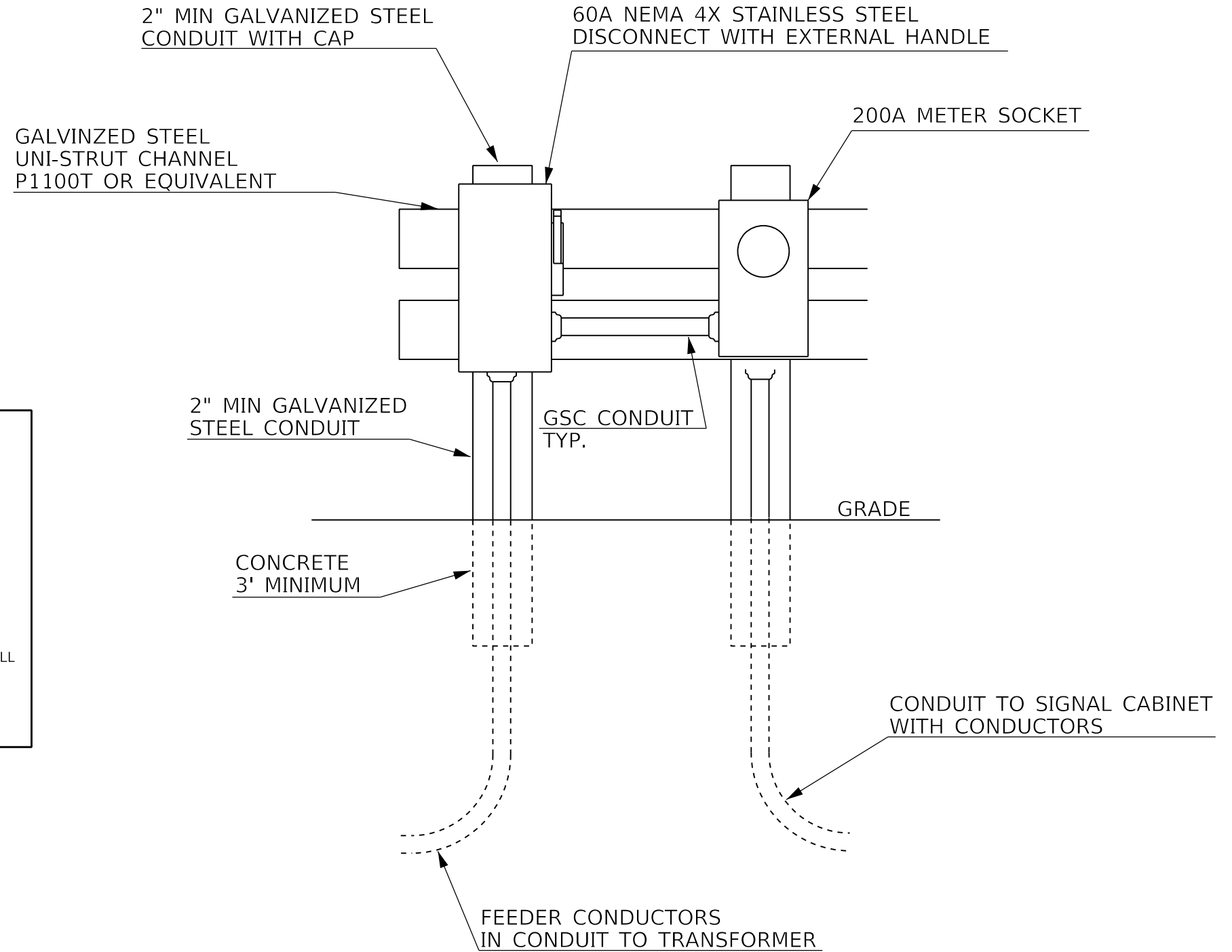
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PEDESTRIAN PUSHBUTTON POST DETAIL				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	31
CONTRACT NO. 68H12				
ILLINOIS		FED. AID PROJECT		

ELECTRIC SERVICE INSTALLATION

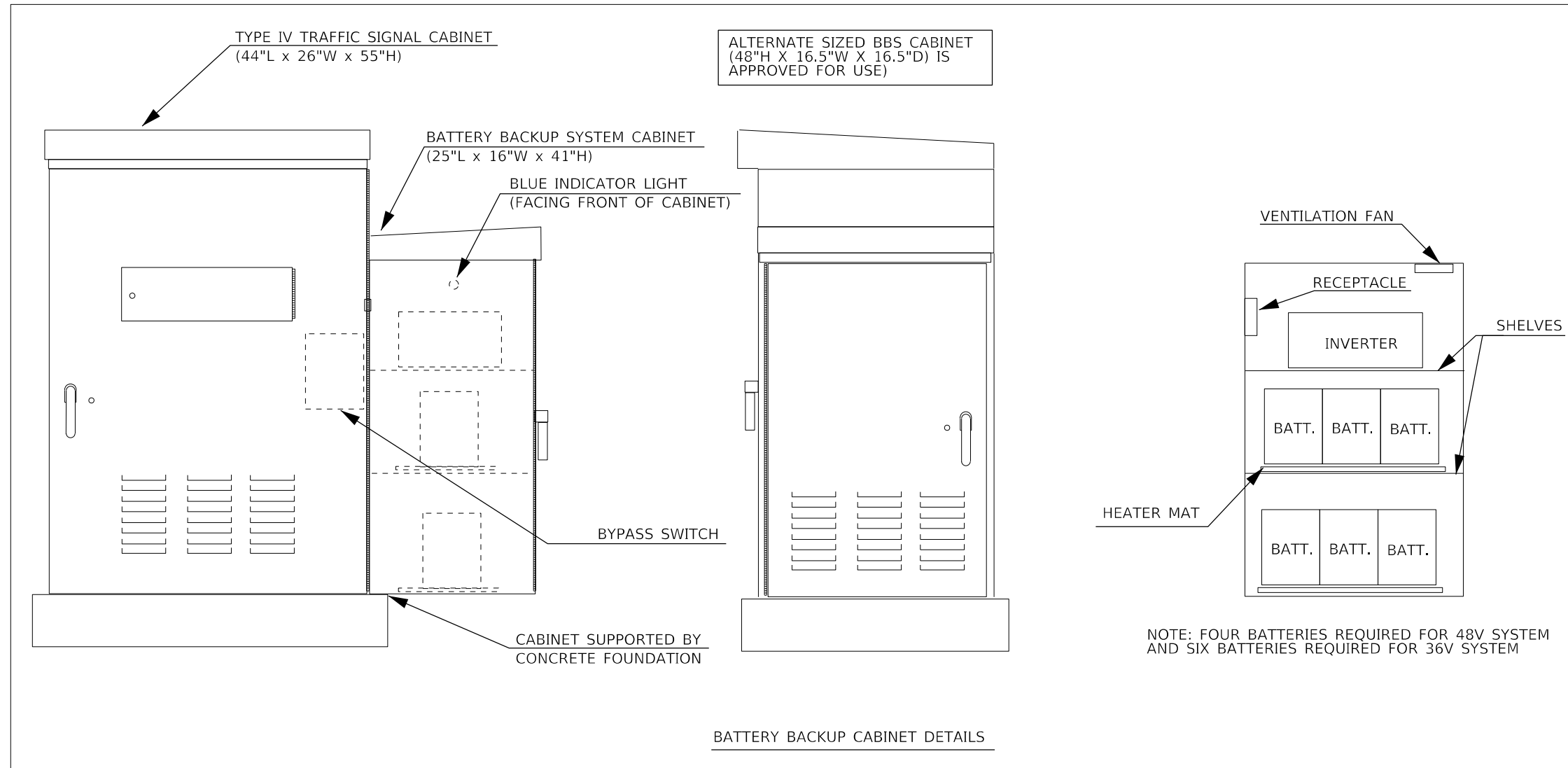


- NOTES:**
1. THE COST OF THE UNDERGROUND SERVICE CABLE/ CONDUIT FROM THE EXISTING TRANSFORMER TO THE PROPOSED ELECTRICAL SERVICE AND SERVICE CABLE/ CONDUIT FROM THE ELECTRICAL SERVICE TO THE SIGNAL CONTROLLER SHALL BE INCLUDED IN THE COST OF THE PROPOSED ELECTRICAL SERVICE INSTALLATION.
 2. THE CONTRACTOR SHALL VERIFY UTILITY COMPANY SERVICE INSTALLATION REQUIREMENTS, THERE WILL BE NO ADDITIONAL COMPENSATION TO ACCOMMODATE ADDITIONAL REQUIREMENTS NOT SHOWN IN THE PLANS.
 3. THE PROPOSED ELECTRICAL SERVICE INSTALLATION SHALL BE LOCATED WITHIN 10 FT. OF THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.

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	PLOT SCALE = 23.8272' / in.	CHECKED -	REVISED -		655	(117)TS.MED	TAZEWELL	41	32			
	PLOT DATE = 5/13/2022	DATE -	REVISED -		CONTRACT NO. 68H12							
					SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				



NOTE: FOUR BATTERIES REQUIRED FOR 48V SYSTEM AND SIX BATTERIES REQUIRED FOR 36V SYSTEM

NOTES:

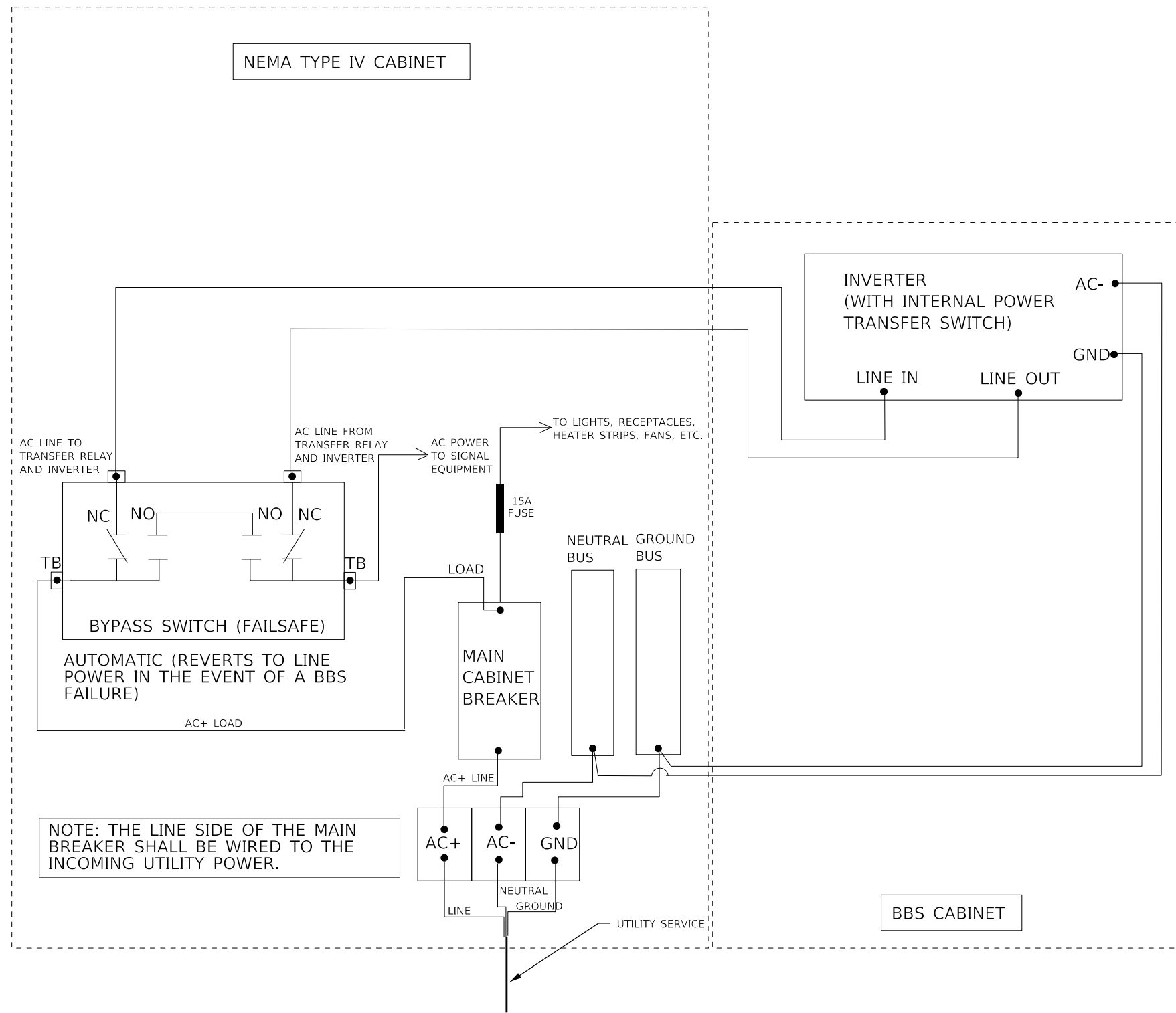
1. THE BATTERY BACKUP SYSTEM CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 41" (H) X 25" (W) X 16" (D). THE CABINET SHALL BE EQUIPPED WITH A THREE POINT LATCHING MECHANISM, TWO SHELVES, THERMOSTATICALLY CONTROLLED VENTILATION FAN, AND A POWER RECEPTACLE. THE CABINET SHALL BE MOUNTED TO THE SIDE OF THE PROPOSED TYPE IV CABINET WITH THE BOTTOM OF THE CABINET SUPPORTED BY THE CONCRETE FOUNDATION.
2. ALL CABINET LIGHTS, HEATER STRIPS, VENTILATION FANS, AND SERVICE RECEPTACLES SHALL BE BYPASSED WHEN THE BATTERY BACKUP UNIT IS OPERATING IN BATTERY MODE.
3. THE BATTERY BACKUP UNITS CONTACTS SHALL BE WIRED TO PROVIDE LOCAL CONTROLLER ALARMS (AS AVAILABLE IN THE PROPOSED CABINETS.)
4. THE BYPASS SWITCH SHALL BE AUTOMATIC AND SHALL BE INSTALLED IN THE BBS CABINET.
5. THE CABINET SHALL BE EQUIPPED WITH A DELUXE PLEATED AIR FILTER AND PLEXIGLASS SHIELDS FOR ALL TERMINALS CARRYING LINE VOLTAGE.

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SCALE:		SHEET OF SHEETS		STA.		TO STA.											

MODEL: Default
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NOT TO SCALE

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	DRAWN -	REVISED -
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PLOT DATE = 5/13/2022	DATE -	REVISED -

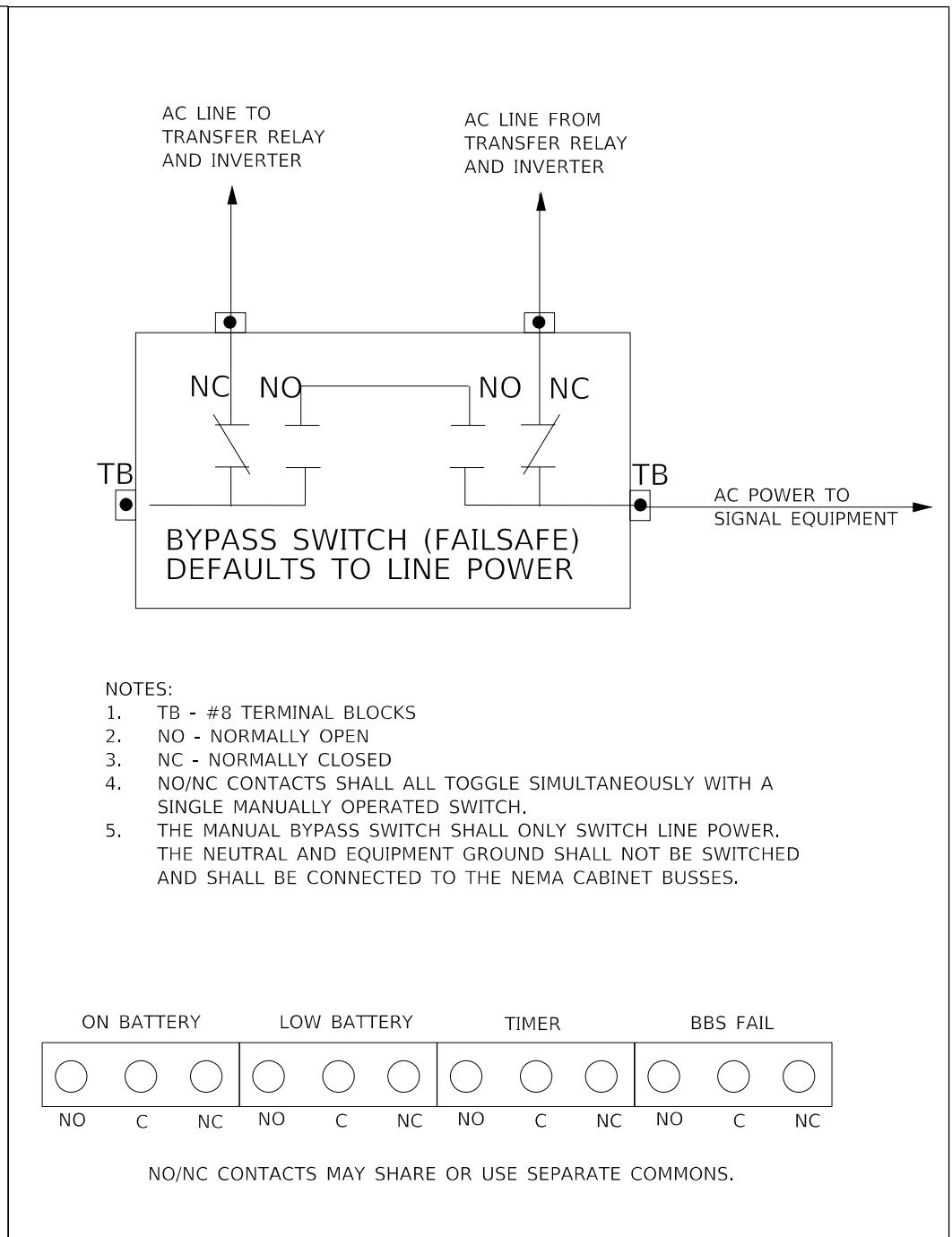
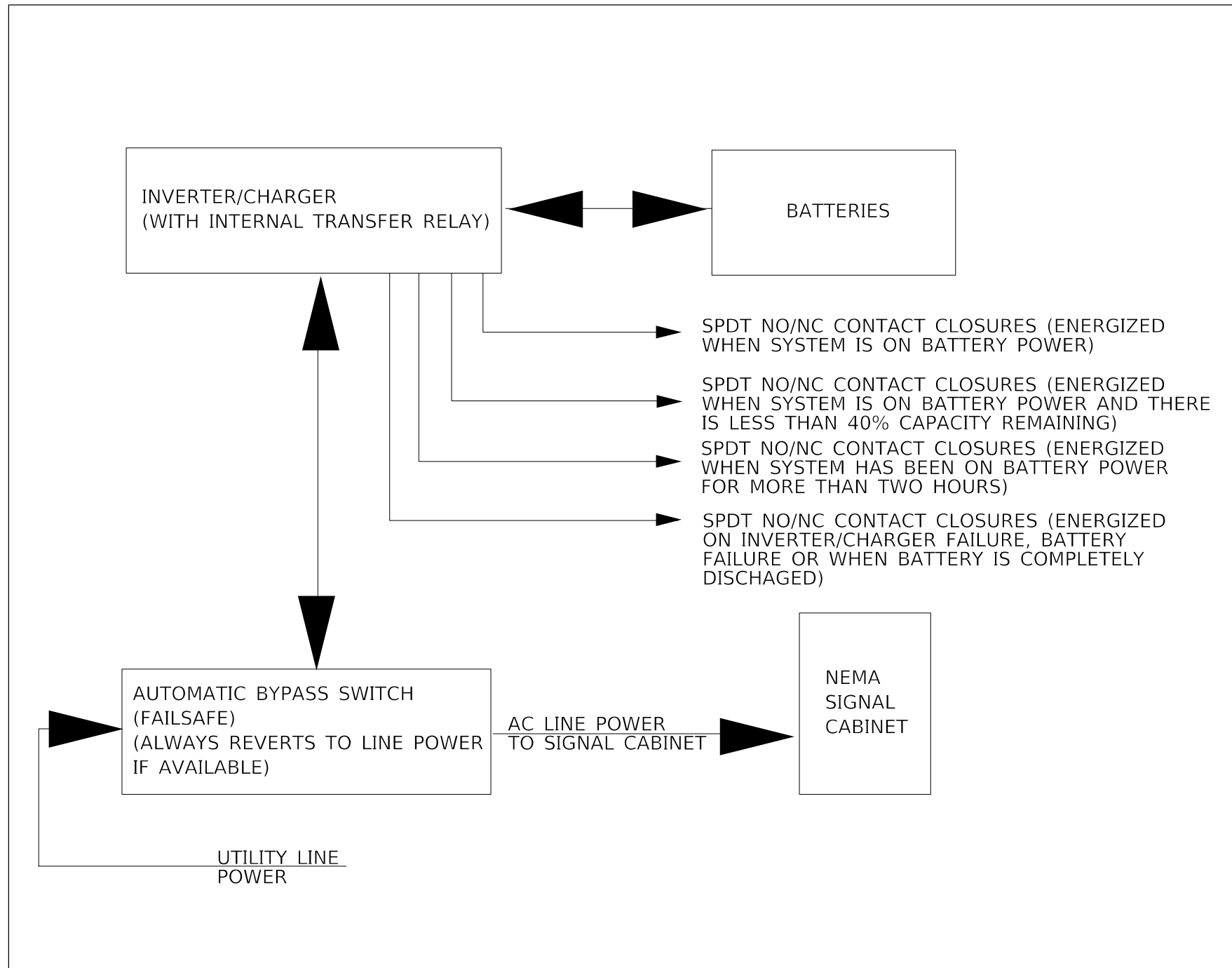
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BATTERY BACKUP SYSTEM CABINET WIRING DIAGRAM

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	34
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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NOT TO SCALE

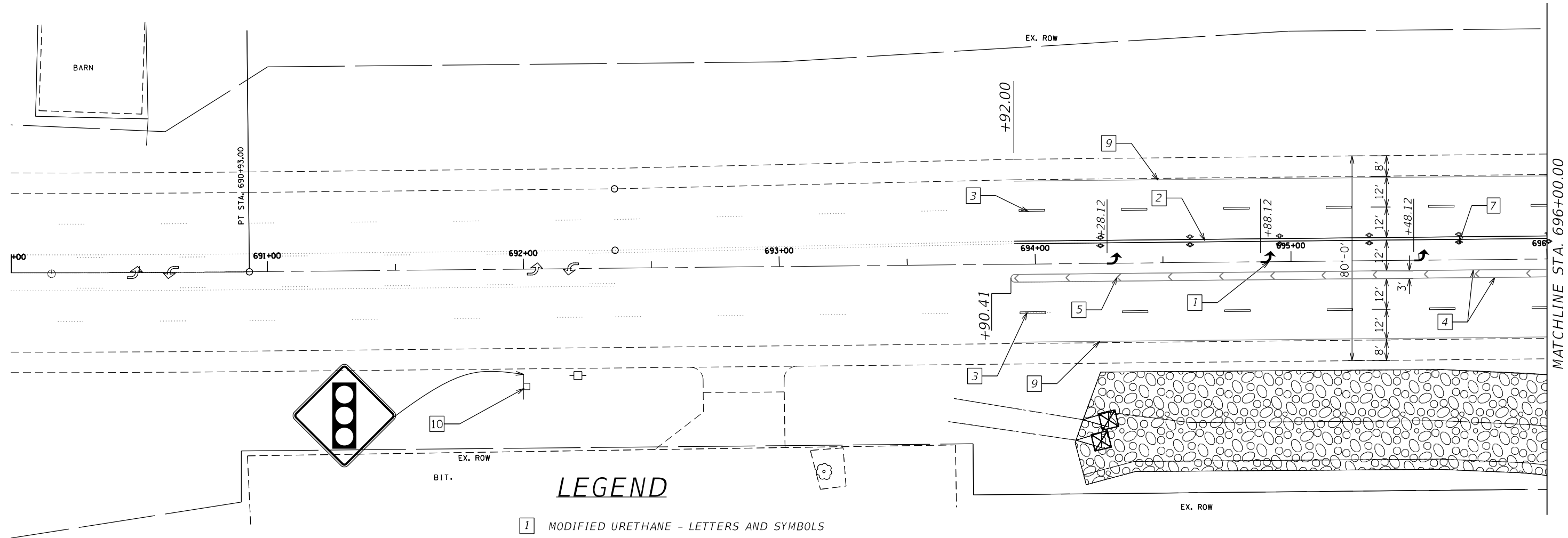
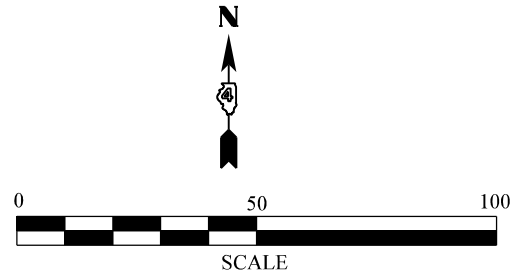
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	DRAWN -	REVISED -	
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PLOT DATE = 5/13/2022	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BATTERY BACKUP SYSTEM BLOCK
AND BYPASS SWITCH DIAGRAMS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS.MED	TAZEWELL	41	35
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				



LEGEND

- 1 MODIFIED URETHANE - LETTERS AND SYMBOLS
- 2 MODIFIED URETHANE - LINE 4" DOUBLE YELLOW
- 3 MODIFIED URETHANE - LINE 6" WHITE
- 4 MODIFIED URETHANE - LINE 8" WHITE
- 5 MODIFIED URETHANE - LINE 12" WHITE
- 6 MODIFIED URETHANE - LINE 24" WHITE
- 7 RAISED REFLECTIVE PAVEMENT MARKERS
- 8 MODIFIED URETHANE - LINE 4" YELLOW
- 9 MODIFIED URETHANE - LINE 4" WHITE
- 10 SIGN PANEL - TYPE 1

NOTE:

1. Two additional "Signal Ahead" sign panels not shown are to be placed at 14th Street Sta. 66+00 RT and 75+25 LT. The yellow flashers and "14th St" sign panels are to remain on the sign posts.
2. The "Intersection Ahead" sign panel along VFW Road shall be switch with the "Signal Ahead" sign panels.

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PLOT DATE = 5/13/2022	DATE -	REVISED -

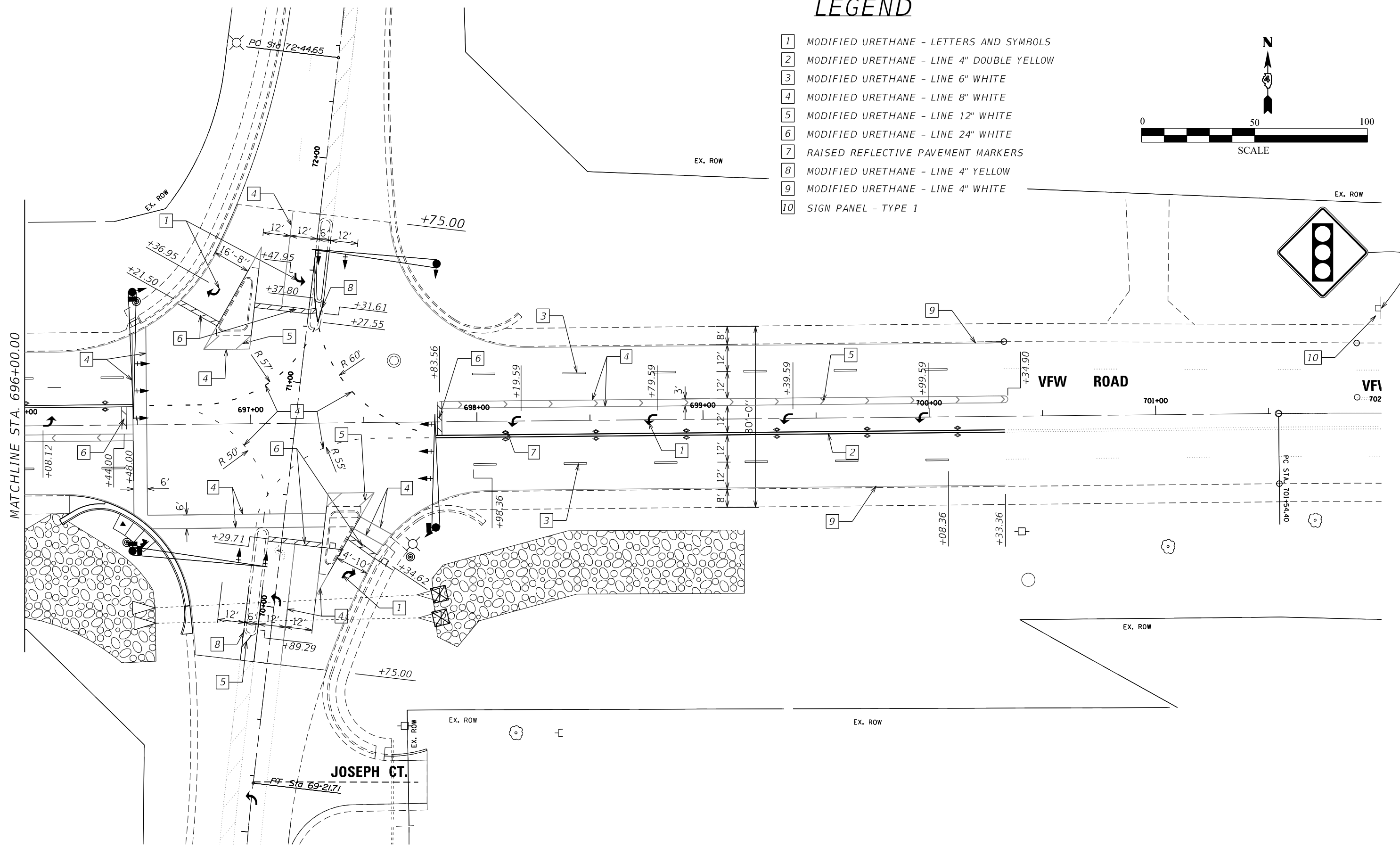
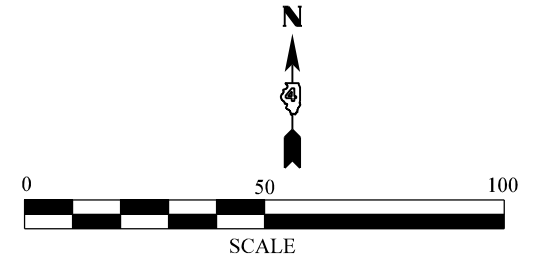
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VFW AND 14TH STREET PAVEMENT MARKING PLANS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	36
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

LEGEND

- 1 MODIFIED URETHANE - LETTERS AND SYMBOLS
- 2 MODIFIED URETHANE - LINE 4" DOUBLE YELLOW
- 3 MODIFIED URETHANE - LINE 6" WHITE
- 4 MODIFIED URETHANE - LINE 8" WHITE
- 5 MODIFIED URETHANE - LINE 12" WHITE
- 6 MODIFIED URETHANE - LINE 24" WHITE
- 7 RAISED REFLECTIVE PAVEMENT MARKERS
- 8 MODIFIED URETHANE - LINE 4" YELLOW
- 9 MODIFIED URETHANE - LINE 4" WHITE
- 10 SIGN PANEL - TYPE 1



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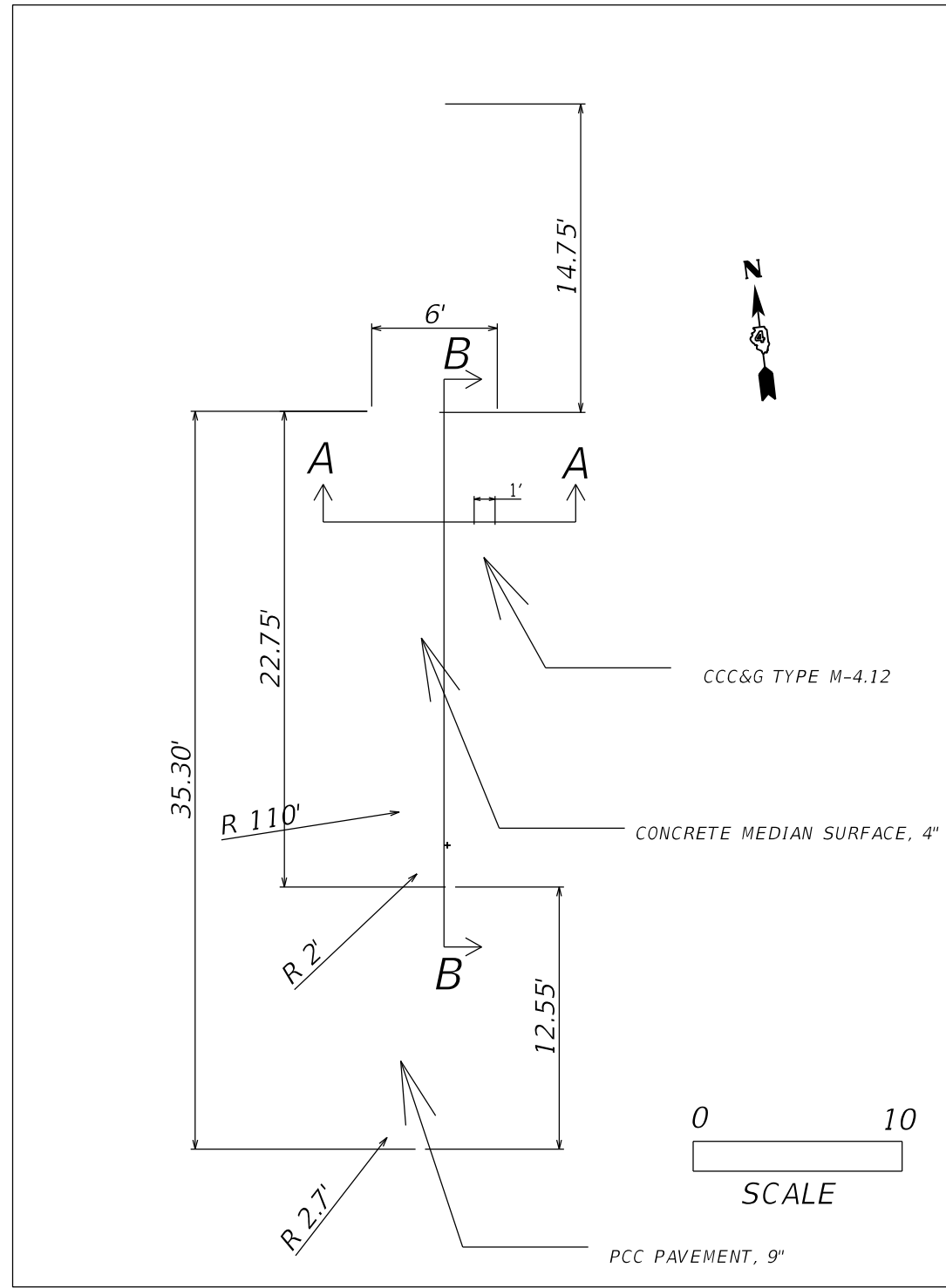
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PLOT DATE = 5/13/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

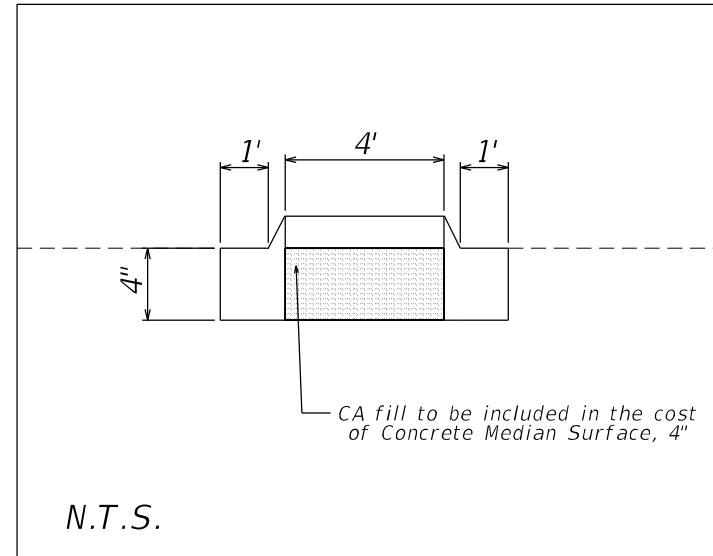
VFW AND 14TH STREET PAVEMENT MARKING PLANS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	37
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

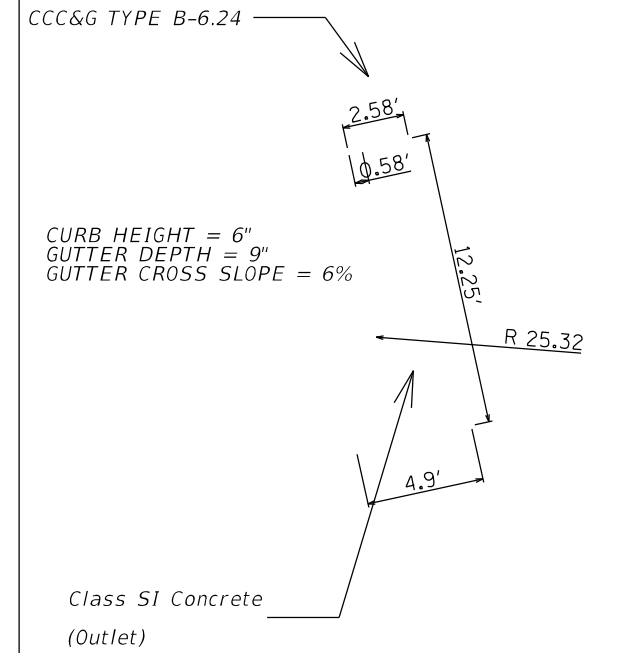
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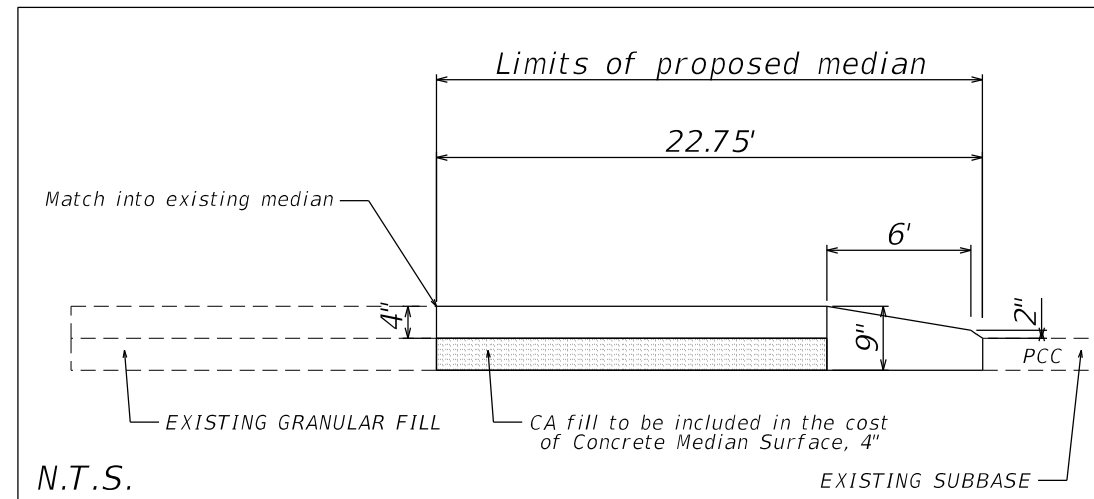
Median Island



Section A-A



Outlet



Section B-B

USER NAME = slowinski	DESIGNED -	REVISED -
PLOT SCALE = 80.0003' / in.	DRAWN -	REVISED -
PLOT DATE = 5/13/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

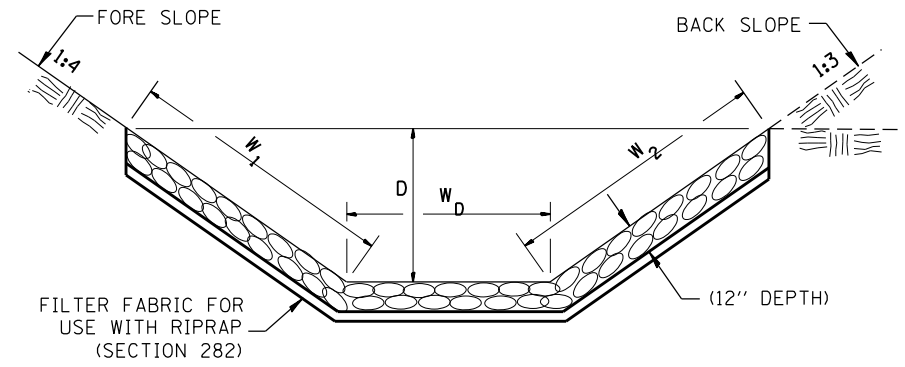
MEDIAN ISLAND & OUTLET DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	38
CONTRACT NO. 68H12				
ILLINOIS FED. AID PROJECT				

Designer NOTES:
 1. Designer to modify this Special Detail Sheet, as needed for inclusion in plans.
 2. (*) Designer to specify pay item including material, quality, and gradation.
 3. Include District Special Provision if needed.

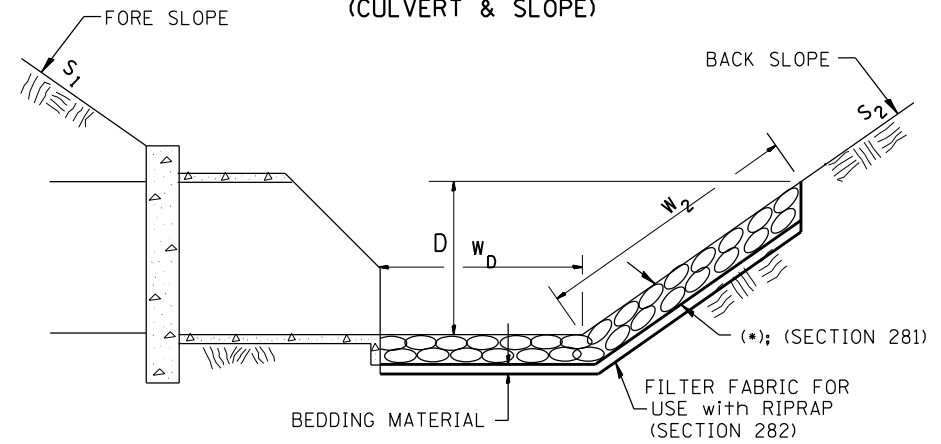
**CASE 1
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
694+15.2 TO 696+58.15	46.42	224	577.67	1254.90
697+79.22 TO 699+17.89	33.96	145	273.57	611.58
TOTAL			851.24	1866.48

(1) WIDTH = $W_1 + W_2 + W_D$

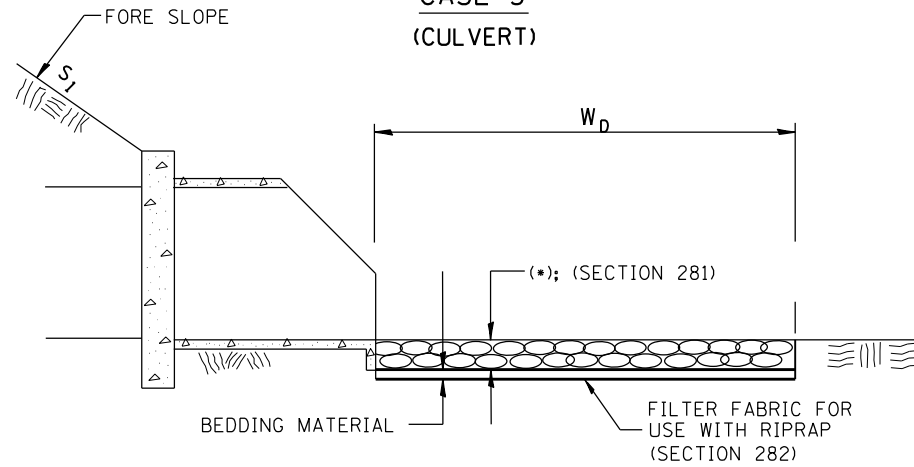
**CASE 2
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_2 + W_D$

**CASE 3
(CULVERT)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = W_D

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.
9-6-12	REMOVED A DESIGNER NOTE AND MADE MINOR CHANGES	R.D.

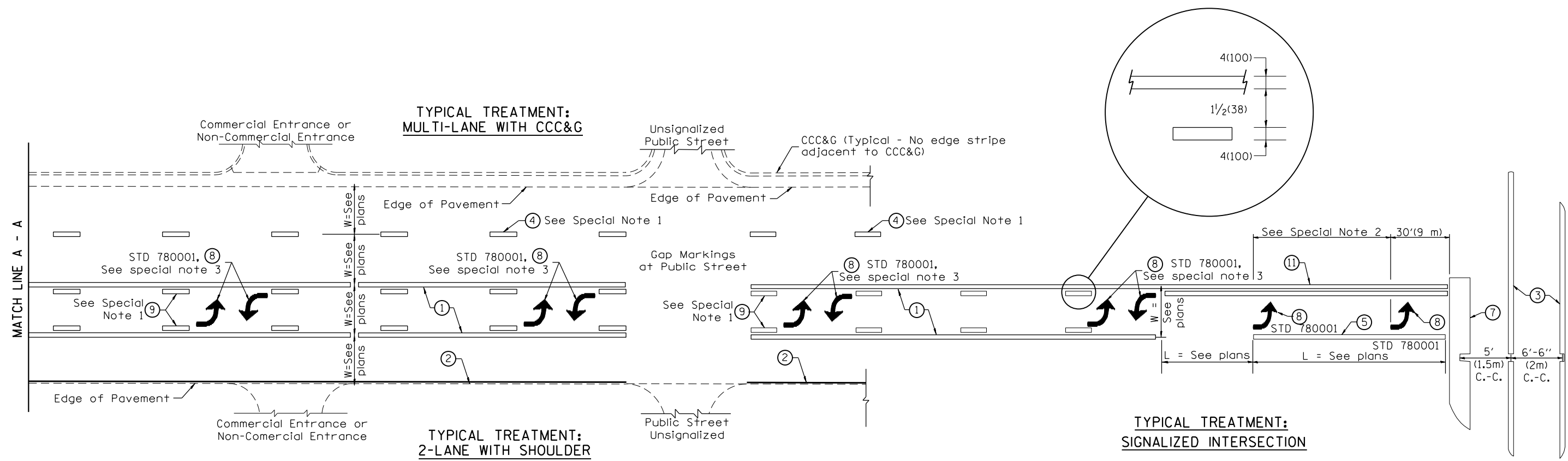
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP DITCH FOR EROSION PROTECTION

NOT TO SCALE

CADD STD. 281001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
655	(117)TS,MED	TAZEWELL	41	39
CONTRACT NO. 68H12				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND
 (Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

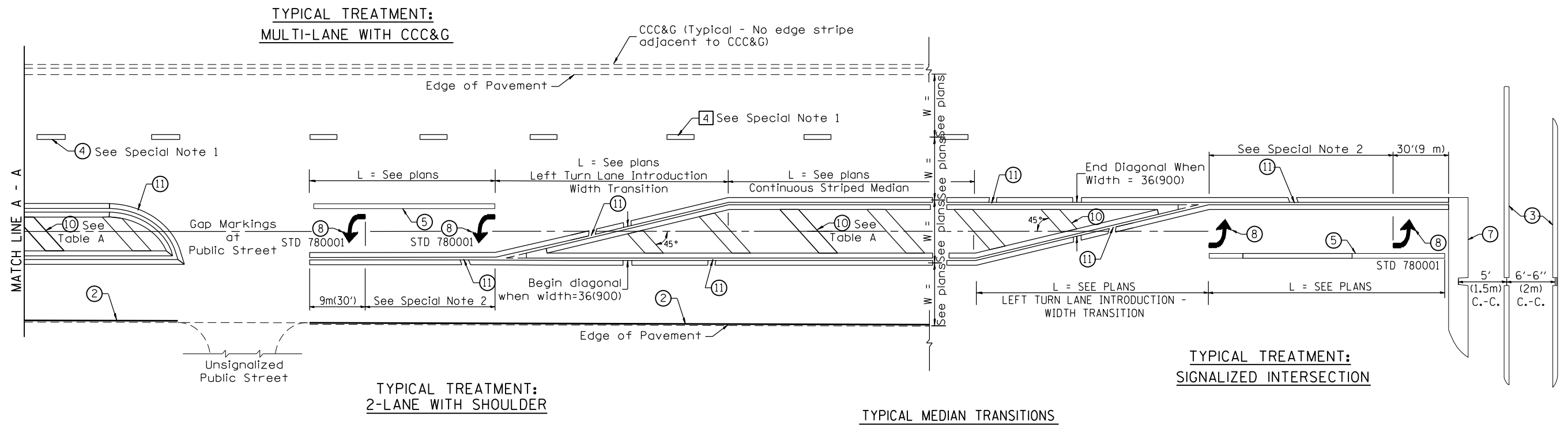
1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
 Through Arrow= 14.8 sq. ft.
 Large Left or Right Arrow= 21.9 sq. ft.
 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
 Wrong Way Arrow= 29.5 sq. ft.
 Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

DESIGNER NOTES:
1. Include State Standard 780001 (Typical Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.			655	(117)TS, MED	TAZEWELL	41	40	
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.			SHT. 1 OF 2 CADD STD. 780001-D4					
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.						CONTRACT NO. 68H12					

NOT TO SCALE

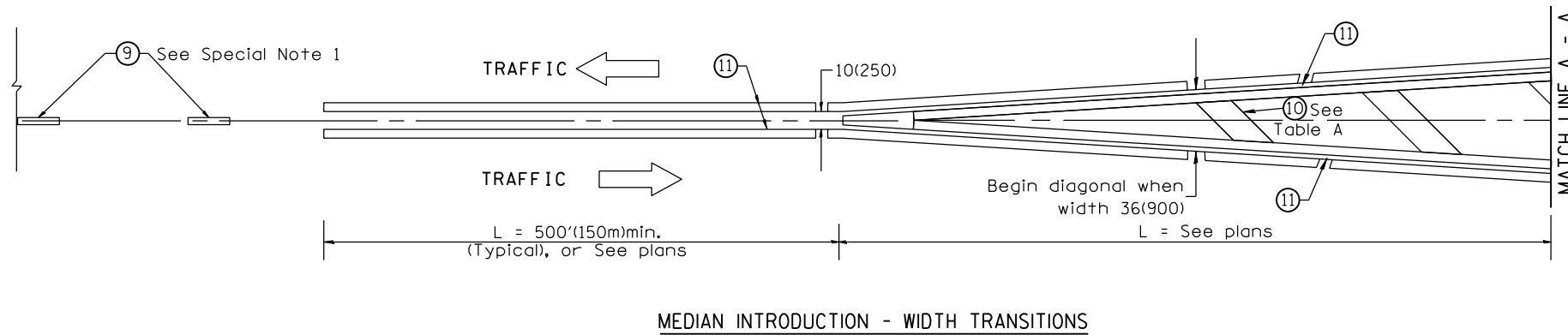
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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