

045

04-24-2002 LETTING ITEM 045

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]	PEORIA	20	1
		ILLINOIS	CONTRACT NO. 68F42	

D-94-032-20

INDEX OF SHEETS:
SEE SHEET 2 FOR INDEX OF SHEETS

PROPOSED HIGHWAY PLANS

FAI 74 (I-74)
PROJECT NUMBER: HSIP-YZT2(444)
SECTION [(72-9)R-1]
PEORIA COUNTY

C-94-052-20

RAMP METER
I-74 EB RAMP G-2

HIGHWAY STANDARDS:
SEE SHEET 2 FOR A LIST OF
APPLICABLE HIGHWAY STANDARDS

PROJECT DESCRIPTION:
RAMP METERING ALONG ENTRANCE RAMP
FROM FAYETTE ST. TO EB I-74 IN PEORIA



LOCATION OF SECTION INDICATED THUS: -

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

PROJECT ENGINEER : ERIC HOWALD (309) 671-4481
PROJECT MANAGER : BEN TELLEFSON (309) 671-4477
CATALOG NO. 036025-00D
CONTRACT NO. 68F42

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 31 2020
Renald A. Garnett KSD
REGIONAL ENGINEER

March 20 2020
cc E.A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 2020
Renald A. Garnett
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

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HIGHWAY STANDARDS	
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001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF ROAD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS \leq 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
830021-03	LIGHT POLE STEEL TENON TOP
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

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	USER NAME = howalder	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, INDEX OF SHEETS, AND HIGHWAY STANDARDS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			74	[(72-9)R-1]	PEORIA	20	2	
	PLOT SCALE = 42.9315 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 68F42					
	PLOT DATE = 1/31/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:		SHEET OF SHEETS		STA. TO STA.			

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 STRUCTURES , METALLIC CONDUITS, AND HANDHOLES 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).
6. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
7. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
8. THE CCTV CAMERA SHALL BE INSTALLED AT A MINIMUM MOUNTING HEIGHT OF 43 FT.
9. 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.
10. THE HANDHOLES SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE SHOULDER OR GROUND LINE.
11. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
12. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
13. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
14. 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.
15. THE CONTRACTOR SHALL INSTALL ONE CONTACT CLOSURE RELAY IN THE EXISTING TRAFFIC SIGNAL CABINET AT JEFFERSON ST. & FAYETTE ST., THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF THE MISCELLANEOUS ELECTRICAL WORK.
16. THE VEHICLE VIDEO DETECTION CAMERAS SHALL BE MOUNTED AT 30 FT. ABOVE ROADWAY, OR AT THE HIGHEST POSSIBLE POSITION.
17. THE VEHICLE VIDEO DETECTION CAMERA INSTALLED ON TS-4 SHALL BE POSITIONED AND PROGRAMMED TO DETECT VEHICLES FOR PHASE 2 (OUTSIDE LANE.) THE VEHICLE VIDEO DETECTION CAMERA INSTALLED ON TS-5 SHALL BE POSITIONED AND PROGRAMMED TO DETECT VEHICLES FOR PHASE 4 (INSIDE LANE.)
18. SIGNAL HEADS 5 & 7 SHALL BE POSITIONED TO BE VISIBLE BY DRIVERS AT THE STOP BAR AND SHALL BE EQUIPPED WITH CAP VISORS. SIGNAL HEADS 6 & 8 SHALL BE POSITIONED TO BE VISIBLE BY DRIVERS ENTERING THE RAMP AND SHALL BE EQUIPPED WITH TUNNEL VISORS. THE COST OF THE VISORS SHALL BE INCLUDED IN THE BID PRICE OF THE SIGNAL HEADS.
19. ALL RAMP METER SIGNAL HEADS (5, 6, 7, 8) SHALL BE EQUIPPED WITH A WHITE ENFORCEMENT INDICATOR LIGHT. THE LIGHT SHALL BE INSTALLED ON THE BACK OF THE SIGNAL AND SHALL BE VISIBLE FROM THE CONTROLLER CABINET AND THE ADAMS ST. OVERPASS. THIS LIGHT SHALL BE WIRED TO TURN ON WHEN THE SIGNAL HEAD IS DISPLAYING A GREEN INDICATION AND BE DARK WHEN THE SIGNAL HEAD IS DARK OR IS DISPLAYING A RED INDICATION. THE COST OF THE ENFORCEMENT INDICATOR LIGHT AND ASSOCIATED HARDWARE, WIRING, ETC. WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE SIGNAL HEADS.
20. THE SOIL EXCAVATED DURING INSTALLATION OF THE CONCRETE FOUNDATIONS FOR THE CONTROLLER AND TS-4 SHALL NOT BE PLACED ON TOP OF THE AGGREGATE SLOPE. THE CONTRACTOR SHALL RE-GRADE AROUND THE CONCRETE FOUNDATIONS TO MATCH THE EXISTING AGGREGATE GRADING. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE CONCRETE FOUNDATIONS.
21. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE GALVANIZED STEEL WITH A NATURAL FINISH.
22. THE CONTRACTOR SHALL CONTACT BILL HARRMAN (309)-370-7513 BEFORE STARTING ANY WORK ON PAVEMENT MARKING REMOVAL OR PLACEMENT.
23. ALL WORK ON THIS CONTRACT, INCLUDING PUNCHLIST ITEMS, SHALL BE COMPLETED BY OCTOBER 16, 2020. THE CONTRACTOR WILL HAVE FIVE WORKING DAYS TO COMPLETE ANY OUTSTANDING PUNCH LIST ITEMS.

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PLOT DATE = 1/31/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	3
			CONTRACT NO. 68F42	
		ILLINOIS	FED. AID PROJECT	

CONST. CODE
0021
PEORIA CTY
90% FEDERAL
10% STATE
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
X 72000100	SIGN PANEL - TYPE 1	SO FT	69	69
X 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	96.9	96.9
X 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	800	800
X 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	140	140
X 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1010	1010
X 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	429	429
X 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	447	447
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	725	725
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	65	65
81400710	HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2	2
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1275	1275
83060800	LIGHT POLE, GALVANIZED STEEL, 30FT. M.H., TENON MOUNT	EACH	1	1
83060810	LIGHT POLE, GALVANIZED STEEL, 35FT. M.H., TENON MOUNT	EACH	1	1

'X' DENOTES SPECIALTY ITEM

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PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	4
			CONTRACT NO. 68F42	
		ILLINOIS	FED. AID PROJECT	

CONST. CODE
0021
PEORIA CTY
90% FEDERAL
10% STATE
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	10.5	10.5
83800650	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	8	8
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	870.5	870.5
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	442.0	442.0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1044.5	1044.5
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1	1
87502530	TRAFFIC SIGNAL POST, GALVANIZED STEEL 19 FT.	EACH	2	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9	9
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5	3.5
87900100	DRILL EXISTING FOUNDATION	EACH	1	1
87900200	DRILL EXISTING HANDHOLE	EACH	1	1
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	2	2
88040020	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	4	4
88040040	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 2-SECTION, BRACKET MOUNTED	EACH	4	4

'X' DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	5
			CONTRACT NO. 68F42	
		ILLINOIS	FED. AID PROJECT	

CONST. CODE
0021
PEORIA CTY
90% FEDERAL
10% STATE
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	8	8
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1	1
X0320024	ETHERNET MANAGE SWITCH	EACH	1	1
X0323071	SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	1	1
X0324603	CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	2	2
X0326812	CAT 5 ETHERNET CABLE	FOOT	87	87
X0327739	MISCELLANEOUS ELECTRICAL WORK	L SUM	1	1
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	267	267
X0966500	SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, MAST ARM MOUNTED	EACH	1	1
X0966600	SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, BRACKET MOUNTED	EACH	1	1
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
X X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	34.5	34.5
X X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	800	800
X X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	40	40

'X' DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES - CONTINUED			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	6
			CONTRACT NO. 68F42	
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.	I-74 EB ENTRANCE RAMP FROM FAYETTE ST.
			QTY.
MOBILIZATION	L SUM	1.0	1.0
SIGN PANEL - TYPE 1	SQ FT	69.0	69.0
MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	96.9	96.9
MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	800.0	800.0
MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	140.0	140.0
MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1010.0	1010.0
MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	429.0	429.0
MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	447.0	447.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	725.0	725.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	65.0	65.0
HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0	2.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1275.0	1275.0
LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., TENON MOUNT	EACH	1.0	1.0
LIGHT POLE, GALVANIZED STEEL, 35 FT. M.H., TENON MOUNT	EACH	1.0	1.0
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	10.5	10.5
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	8.0	8.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	870.5	870.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	442.0	442.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1044.5	1044.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1.0	1.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 19 FT.	EACH	2.0	2.0
CONCRETE FOUNDATION, TYPE A	FOOT	9.0	9.0
CONCRETE FOUNDATION, TYPE D	FOOT	3.5	3.5
DRILL EXISTING FOUNDATION	EACH	1.0	1.0
DRILL EXISTING HANDHOLE	EACH	1.0	1.0

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SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	8
			CONTRACT NO. 68F42	
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES - CONTINUED

ITEM DESCRIPTION	UNIT	TOTAL QTY.	I-74 EB ENTRANCE RAMP FROM FAYETTE ST.
			QTY.
DRILL EXISTING HEAVY-DUTY HANDHOLE	EACH	2.0	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	4.0	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 2-SECTION, BRACKET MOUNTED	EACH	4.0	4.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	8.0	8.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0	1.0
ETHERNET MANAGE SWITCH	EACH	1.0	1.0
SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	1.0	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	2.0	2.0
CAT 5 ETHERNET CABLE	FOOT	87.0	87.0
MISCELLANEOUS ELECTRICAL WORK	L SUM	1.0	1.0
PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	267.0	267.0
SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, MAST ARM MOUNTED	EACH	1.0	1.0
SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, BRACKET MOUNTED	EACH	1.0	1.0
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	1.0
GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	34.5	34.5
GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	800.0	800.0
GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	40.0	40.0
GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	60.0	60.0
GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	25.0	25.0
GROUND EXISTING HANDHOLE	EACH	1.0	1.0
CONTROLLER CABINET TYPE III, SPECIAL	EACH	1.0	1.0
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	652.0	652.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0	2.0
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1.0	1.0
VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0	1.0

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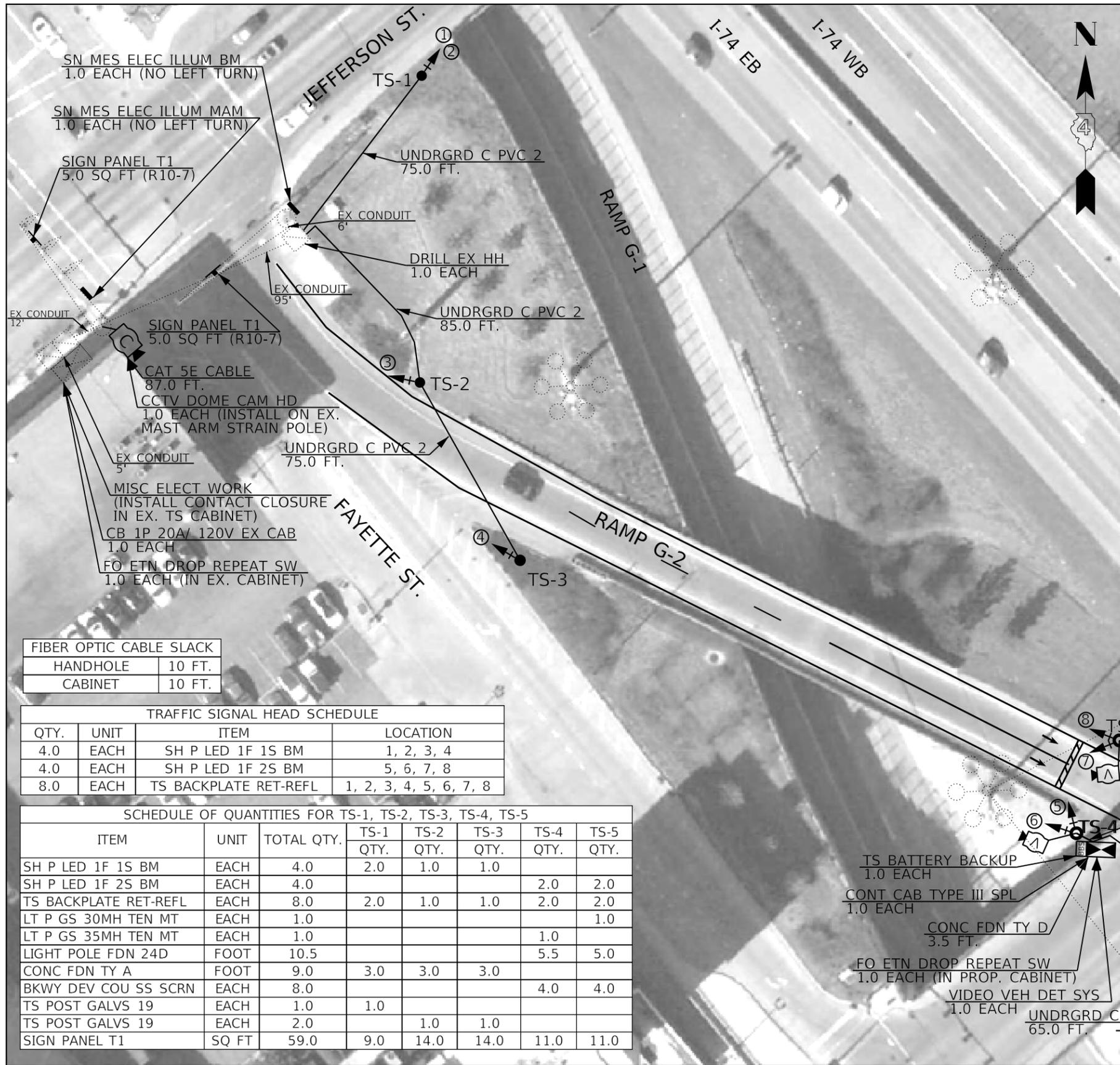
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	9
			CONTRACT NO. 68F42	
		ILLINOIS	FED. AID PROJECT	



BILL OF MATERIALS		
DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	69.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	395.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	65.0
HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	265.0
LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., TENON MOUNT	EACH	1.0
LIGHT POLE, GALVANIZED STEEL, 35 FT. M.H., TENON MOUNT	EACH	1.0
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	10.5
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL	EACH	8.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	870.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	442.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	529.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 19 FT.	EACH	2.0
CONCRETE FOUNDATION, TYPE A	FOOT	9.0
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
DRILL EXISTING HANDHOLE	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 2-SECTION, BRACKET MOUNTED	EACH	4.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	8.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	87.0
MISCELLANEOUS ELECTRICAL WORK	L SUM	1.0
SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, MAST ARM MOUNTED	EACH	1.0
CONTROLLER CABINET TYPE III, SPECIAL	EACH	1.0
SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, BRACKET MOUNTED	EACH	1.0
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F	FOOT	143.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	2.0
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1.0
VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0

FIBER OPTIC CABLE SLACK	
HANDHOLE	10 FT.
CABINET	10 FT.

TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
4.0	EACH	SH P LED 1F 1S BM	1, 2, 3, 4
4.0	EACH	SH P LED 1F 2S BM	5, 6, 7, 8
8.0	EACH	TS BACKPLATE RET-REFL	1, 2, 3, 4, 5, 6, 7, 8

SCHEDULE OF QUANTITIES FOR TS-1, TS-2, TS-3, TS-4, TS-5								
ITEM	UNIT	TOTAL QTY.	TS-1	TS-2	TS-3	TS-4	TS-5	
			QTY.	QTY.	QTY.	QTY.	QTY.	
SH P LED 1F 1S BM	EACH	4.0						
SH P LED 1F 2S BM	EACH	4.0				2.0	2.0	
TS BACKPLATE RET-REFL	EACH	8.0	2.0	1.0	1.0	2.0	2.0	
LT P GS 30MH TEN MT	EACH	1.0					1.0	
LT P GS 35MH TEN MT	EACH	1.0				1.0		
LIGHT POLE FDN 24D	FOOT	10.5				5.5	5.0	
CONC FDN TY A	FOOT	9.0	3.0	3.0	3.0			
BKWY DEV COU SS SCR N	EACH	8.0				4.0	4.0	
TS POST GALVS 19	EACH	1.0	1.0					
TS POST GALVS 19	EACH	2.0		1.0	1.0			
SIGN PANEL T1	SQ FT	59.0	9.0	14.0	14.0	11.0	11.0	

LEGEND	
	EX. LIGHT TOWER
	EX. TRAFFIC SIGNAL CONTROLLER
	EX. HANDHOLE
	EX. DOUBLE HANDHOLE
	EX. CONDUIT
	EX. TRAFFIC SIGNAL MAST ARM
	PROP. MESSAGE SIGN, ELECTRICALLY ILLUMINATED
	PROP. STOP BAR
	PROP. PAVEMENT MARKING
	PROP. PVC CONDUIT
	PROP. TRAFFIC SIGNAL POST, GALVANIZED STEEL
	PROP. TRAFFIC SIGNAL CONTROLLER (RAMP METER)
	PROP. HEAVY-DUTY HANDHOLE
	PROP. VEHICLE VIDEO DETECTION CAMERA
	PROP. LIGHT POLE, GALVANIZED STEEL
	PROP. CCTV CAMERA, HD
	PROP. SIGNAL HEAD, WITH BACKPLATE
	PROP. SIGN PANEL TYPE 1
	PROP. BATTERY BACKUP SYSTEM

NOT TO SCALE

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PLOT DATE = 1/30/2020	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED RAMP METER INSTALLATION
I-74 WB RAMP G-2 - PEORIA COUNTY

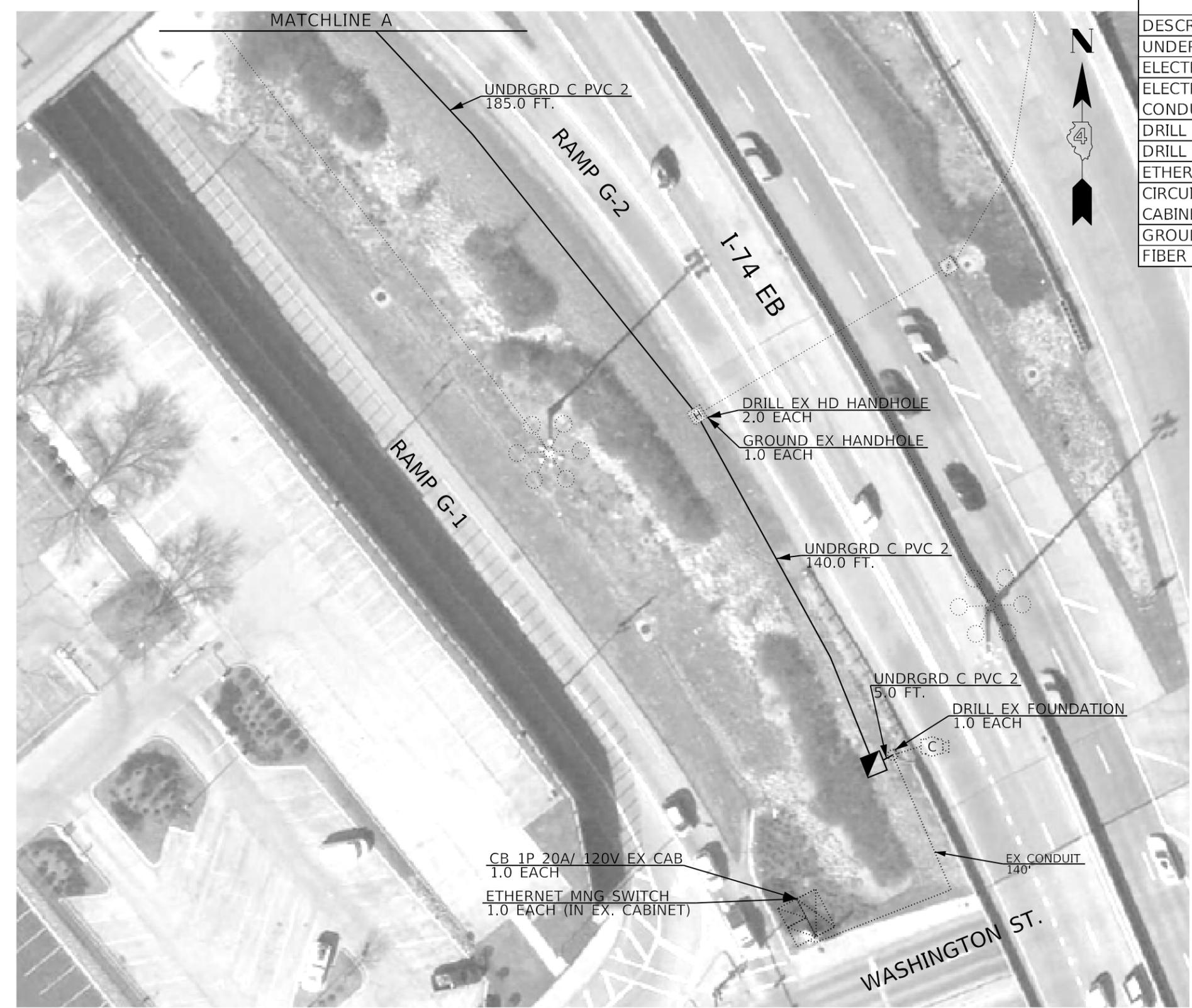
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	10
CONTRACT NO. 68F42				
ILLINOIS / FED. AID PROJECT				

BILL OF MATERIALS		
DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	330.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1010.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	515.0
DRILL EXISTING FOUNDATION	EACH	1.0
DRILL EXISTING HEAVY-DUTY HANDHOLE	EACH	2.0
ETHERNET MANAGE SWITCH	EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	1.0
GROUND EXISTING HANDHOLE	EACH	1.0
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F	FOOT	509.0

FIBER OPTIC CABLE SLACK	
HANDHOLE	10 FT.
CABINET	10 FT.

LEGEND	
	PROP. PVC CONDUIT
	EX. LIGHT TOWER
	EX. TRAFFIC SIGNAL CONTROLLER
	PROP. HANDHOLE
	EX. HEAVY-DUTY HANDHOLE
	EX. DOUBLE HANDHOLE
	EX. LIGHT POLE (INSTALLED ON CONTRACT 68C89)
	EX. CCTV CAMERA (INSTALLED ON CONTRACT 68C89)
	EX. CONDUIT



NOT TO SCALE

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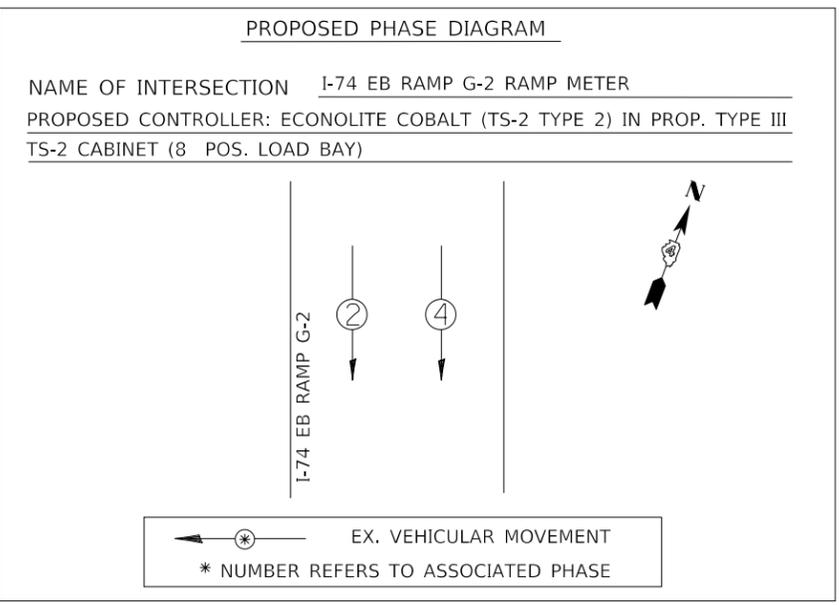
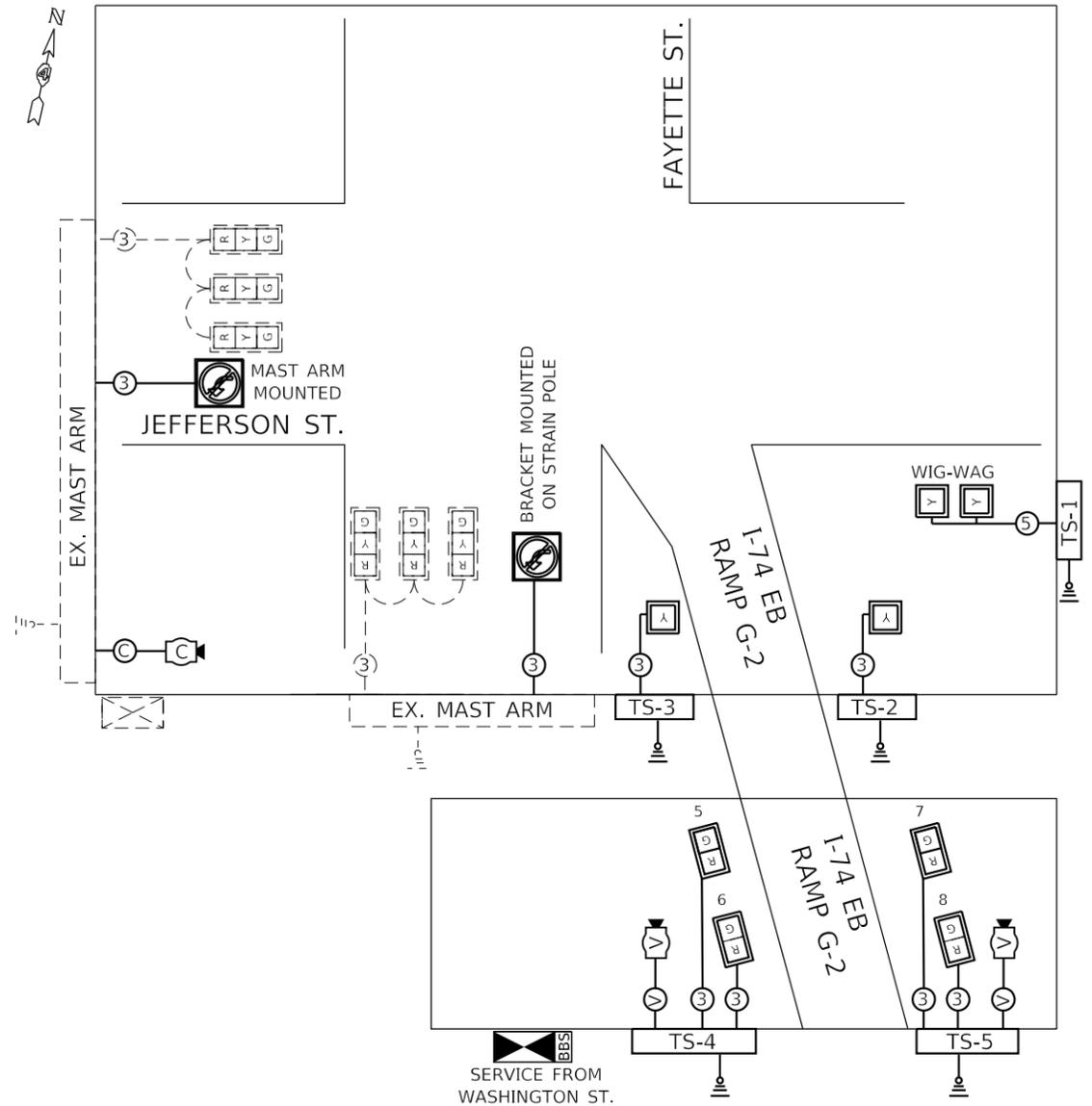
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED RAMP METER INSTALLATION - CONTINUED
I-74 WB RAMP G-2 - PEORIA COUNTY**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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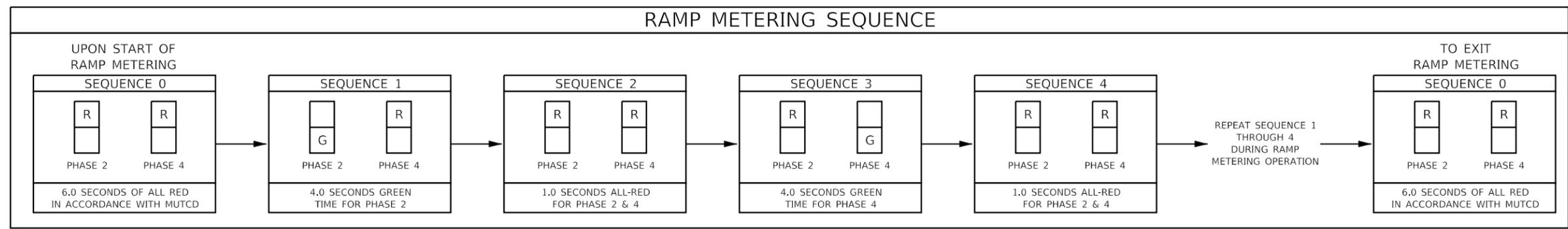
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	11
CONTRACT NO. 68F42			ILLINOIS FED. AID PROJECT	



RAMP METER SEQUENCE OF OPERATION	
TRIGGER	OUTCOME
TIME OF DAY - ON	YELLOW FLASHING BEACONS ON TS-1 ACTIVATED (WIG-WAG OPERATION)
	YELLOW FLASHING BEACON ON TS-2 ACTIVATED
	YELLOW FLASHING BEACON ON TS-3 ACTIVATED
	MAST ARM MOUNTED LED BLANK OUT SIGN (NO LEFT TURN) ACTIVATED
	BRACKET MOUNTED LED BLANK OUT SIGN (NO LEFT TURN) ACTIVATED
	TRAFFIC SIGNAL CONTROLLER IN RAMP METERING OPERATION (SEE BELOW)
TIME OF DAY - OFF	YELLOW FLASHING BEACONS ON TS-1 DARK
	YELLOW FLASHING BEACON ON TS-2 DARK
	YELLOW FLASHING BEACON ON TS-3 DARK
	MAST ARM MOUNTED LED BLANK OUT SIGN (NO LEFT TURN) DARK
	BRACKET MOUNTED LED BLANK OUT SIGN (NO LEFT TURN) DARK
	TRAFFIC SIGNAL CONTROLLER EXITS RAMP METERING OPERATION - ALL SIGNAL HEADS DISPLAY RED INDICATION FOR 6 SECONDS, THEN ALL SIGNAL HEADS ARE DARK

TRAFFIC SIGNALS LEGEND

- EX. CONTROLLER CABINET
- EX. TRAFFIC SIGNAL HEAD
- PROP. LED BLANK OUT SIGN (NO LEFT TURN) R3-1
- PROP. CONTROLLER CABINET & BATTERY BACKUP SYSTEM
- PROP. 1 SEC. SIGNAL HEAD W/ BACKPLATE (FLASHER)
- PROP. 2 SEC. SIGNAL HEAD W/ BACKPLATE (EQUIPPED WITH ENFORCEMENT LIGHT)
- PROP. GROUND/SAFETY BOND
- EX. GROUND/SAFETY BOND
- PROP. 3/C NO. 14 SIGNAL CABLE
- PROP. 5/C NO. 14 SIGNAL CABLE
- PROP. CAT 5 ETHERNET CABLE
- PROP. VIDEO VEHICLE DETECTION CABLE



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	DATE -	REVISED -

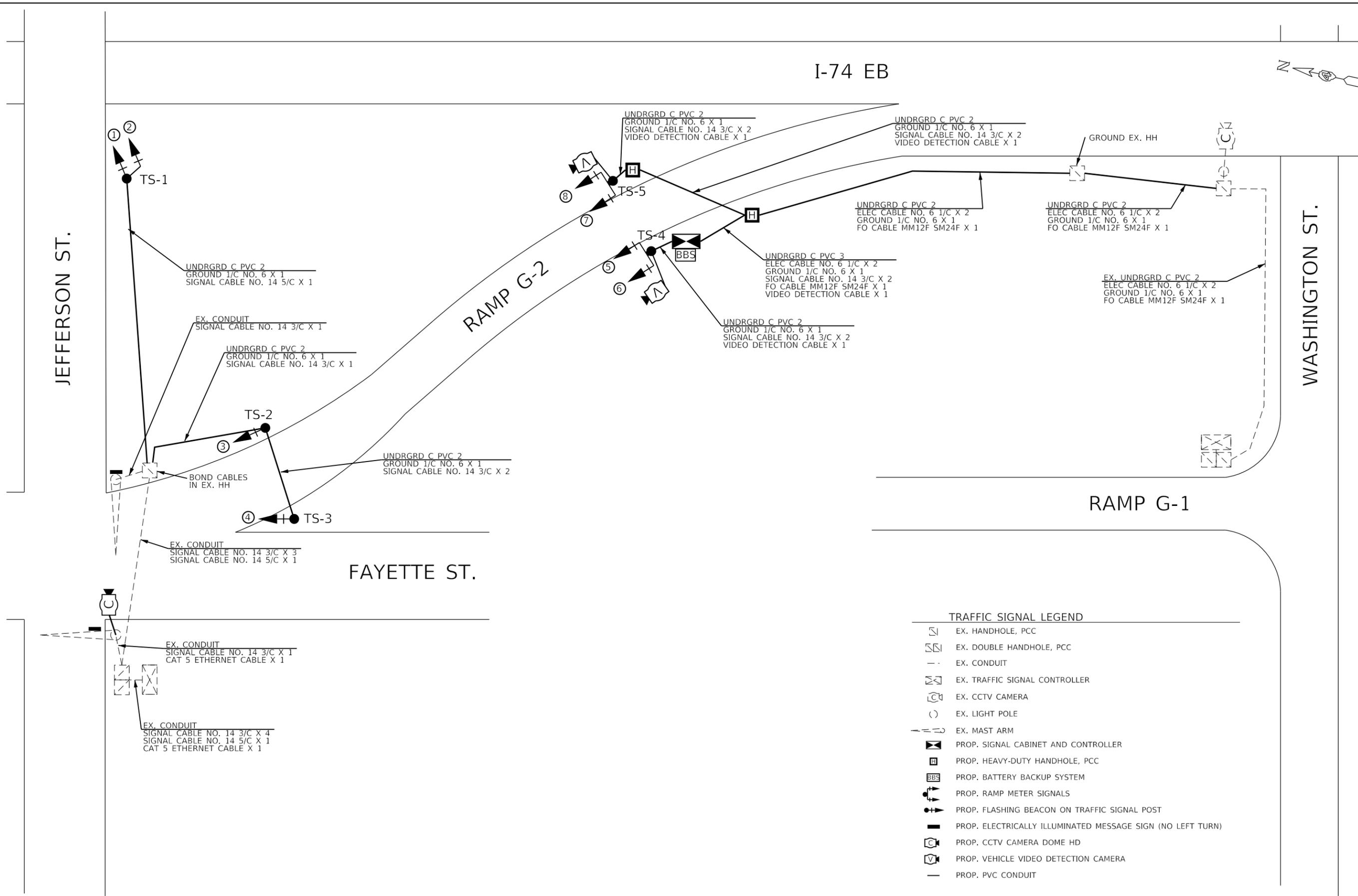
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED RAMP METER CABLE DIAGRAM, PHASE DIAGRAM
AND SEQUENCE OF OPERATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	12
CONTRACT NO. 68F42				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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TRAFFIC SIGNAL LEGEND

	EX. HANDHOLE, PCC
	EX. DOUBLE HANDHOLE, PCC
	EX. CONDUIT
	EX. TRAFFIC SIGNAL CONTROLLER
	EX. CCTV CAMERA
	EX. LIGHT POLE
	EX. MAST ARM
	PROP. SIGNAL CABINET AND CONTROLLER
	PROP. HEAVY-DUTY HANDHOLE, PCC
	PROP. BATTERY BACKUP SYSTEM
	PROP. RAMP METER SIGNALS
	PROP. FLASHING BEACON ON TRAFFIC SIGNAL POST
	PROP. ELECTRICALLY ILLUMINATED MESSAGE SIGN (NO LEFT TURN)
	PROP. CCTV CAMERA DOME HD
	PROP. VEHICLE VIDEO DETECTION CAMERA
	PROP. PVC CONDUIT

NOT TO SCALE

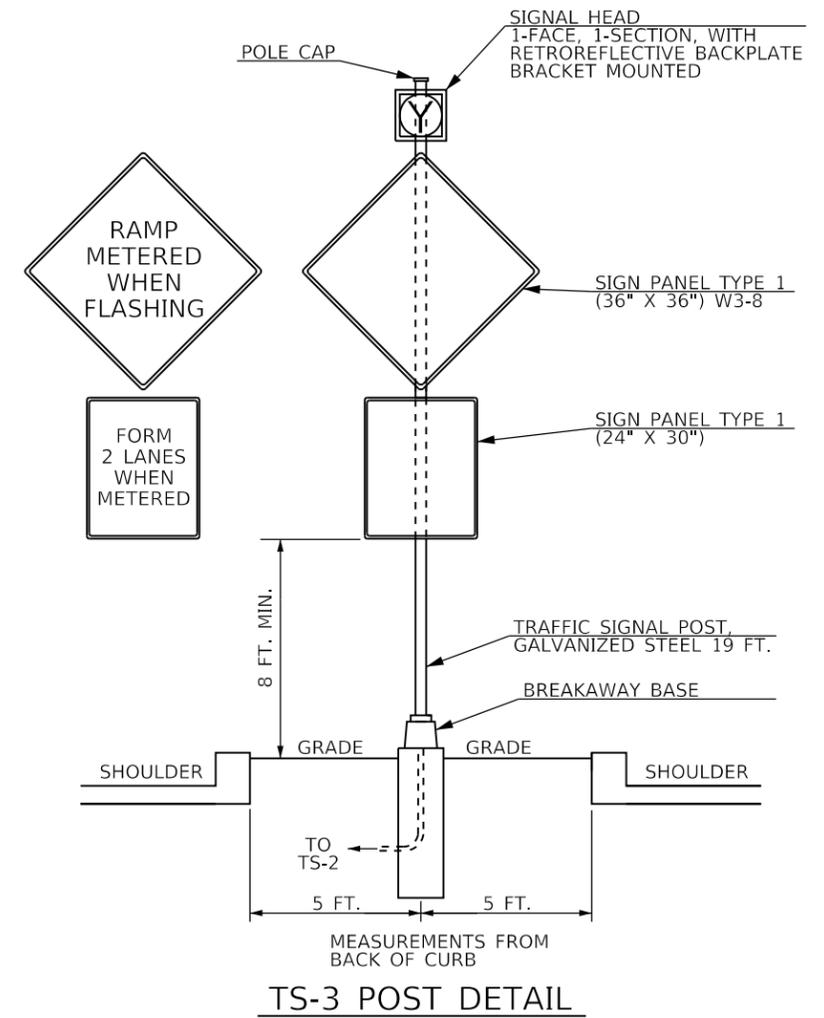
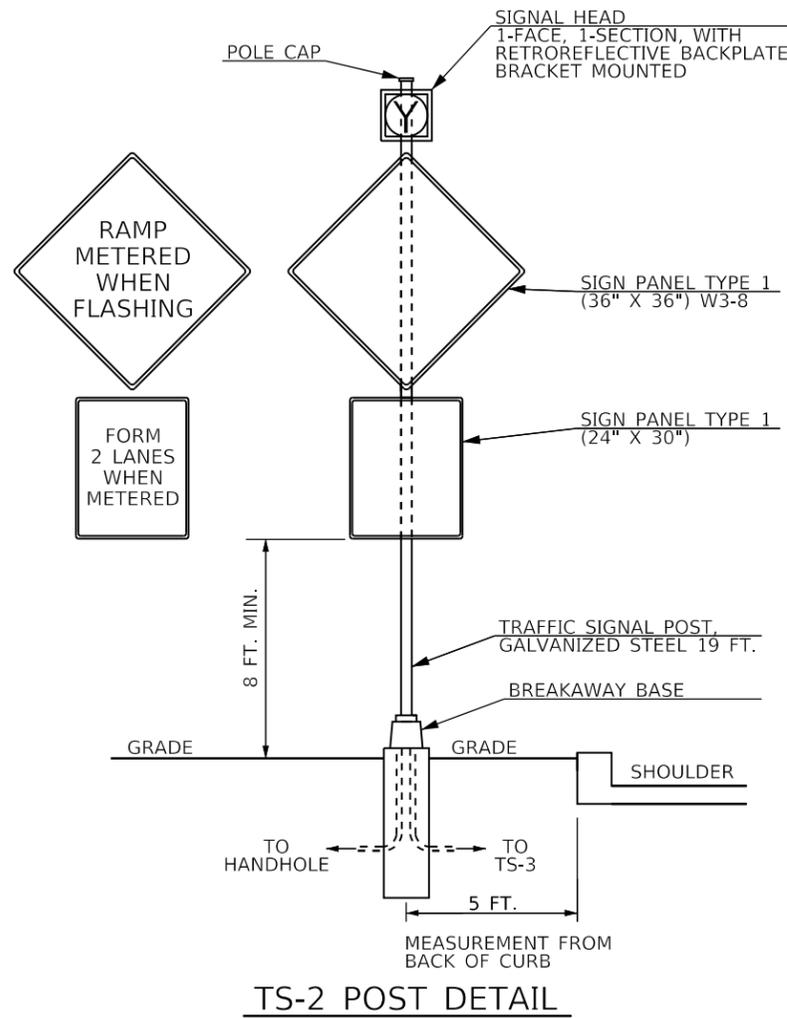
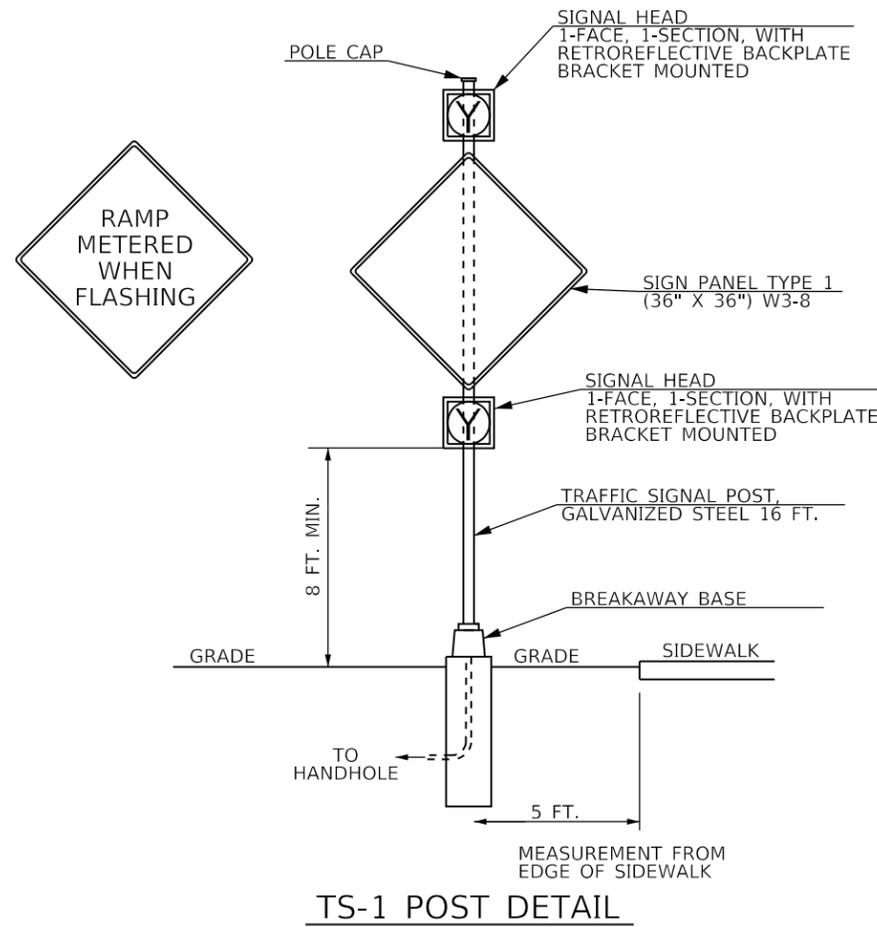
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 DEPARTMENT OF TRANSPORTATION**

PROPOSED RAMP METER CONDUIT AND EQUIPMENT DIAGRAM

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	13
CONTRACT NO. 68F42				
ILLINOIS FED. AID PROJECT				



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FLASHING BEACON AND SIGN DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]	PEORIA	20	14
CONTRACT NO. 68F42				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE

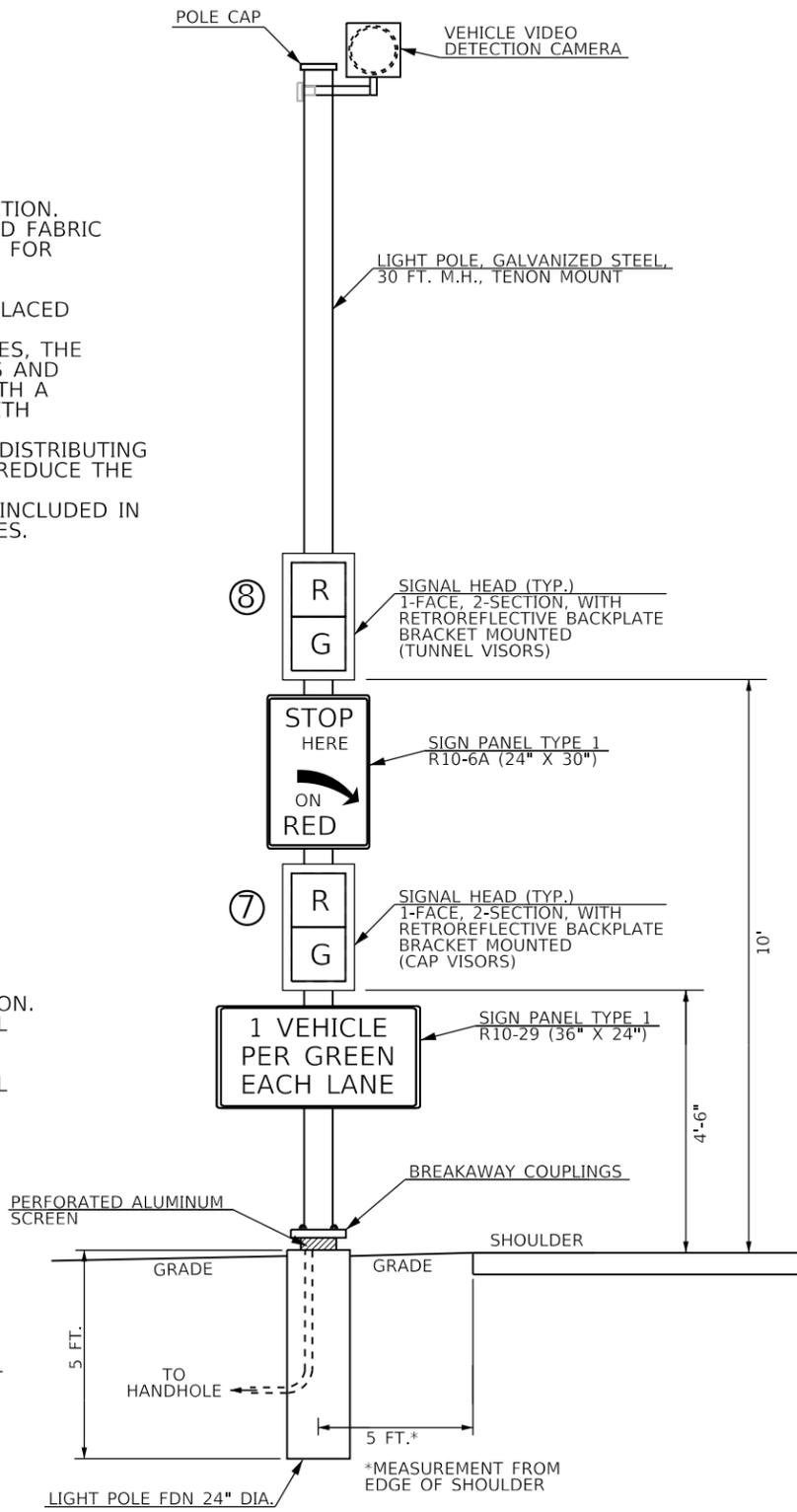
EROSION PREVENTION NOTES:

1. THE VEHICLE VIDEO DETECTION CAMERAS SHALL BE MOUNTED AT 30 FT. ABOVE ROADWAY, OR AT THE HIGHEST POSSIBLE POSITION.
1. THE CONTRACTOR SHALL REMOVE THE EXISTING AGGREGATE AND FABRIC MAT (5 FT. RADIUS FOR EACH LOCATION) PRIOR TO EXCAVATION FOR FOUNDATION AND HANDHOLE INSTALLATION.
2. THE SOIL EXCAVATED DURING INSTALLATION OF THE CONCRETE FOUNDATIONS FOR THE CONTROLLER AND TS-4 SHALL NOT BE PLACED ON TOP OF THE AGGREGATE SLOPE.
3. AFTER INSTALLING THE CONCRETE FOUNDATIONS AND HANDHOLES, THE CONTRACTOR SHALL RE-GRADE TO MATCH EXISTING CONDITIONS AND INSTALL NEW FABRIC. THE NEW FABRIC SHALL BE INSTALLED WITH A 2 FT. OVERLAP OVER THE EXISTING FABRIC AND BE SECURED WITH HEAVY-DUTY METAL STAKES AROUND THE PERIMETER.
4. THE CONTRACTOR SHALL RESTORE THE AGGREGATE BY EVENLY DISTRIBUTING IT AROUND THE PROPOSED FOUNDATIONS AND HANDHOLES TO REDUCE THE POSSIBILITY OF EROSION.
5. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE CONCRETE FOUNDATIONS AND HANDHOLES.

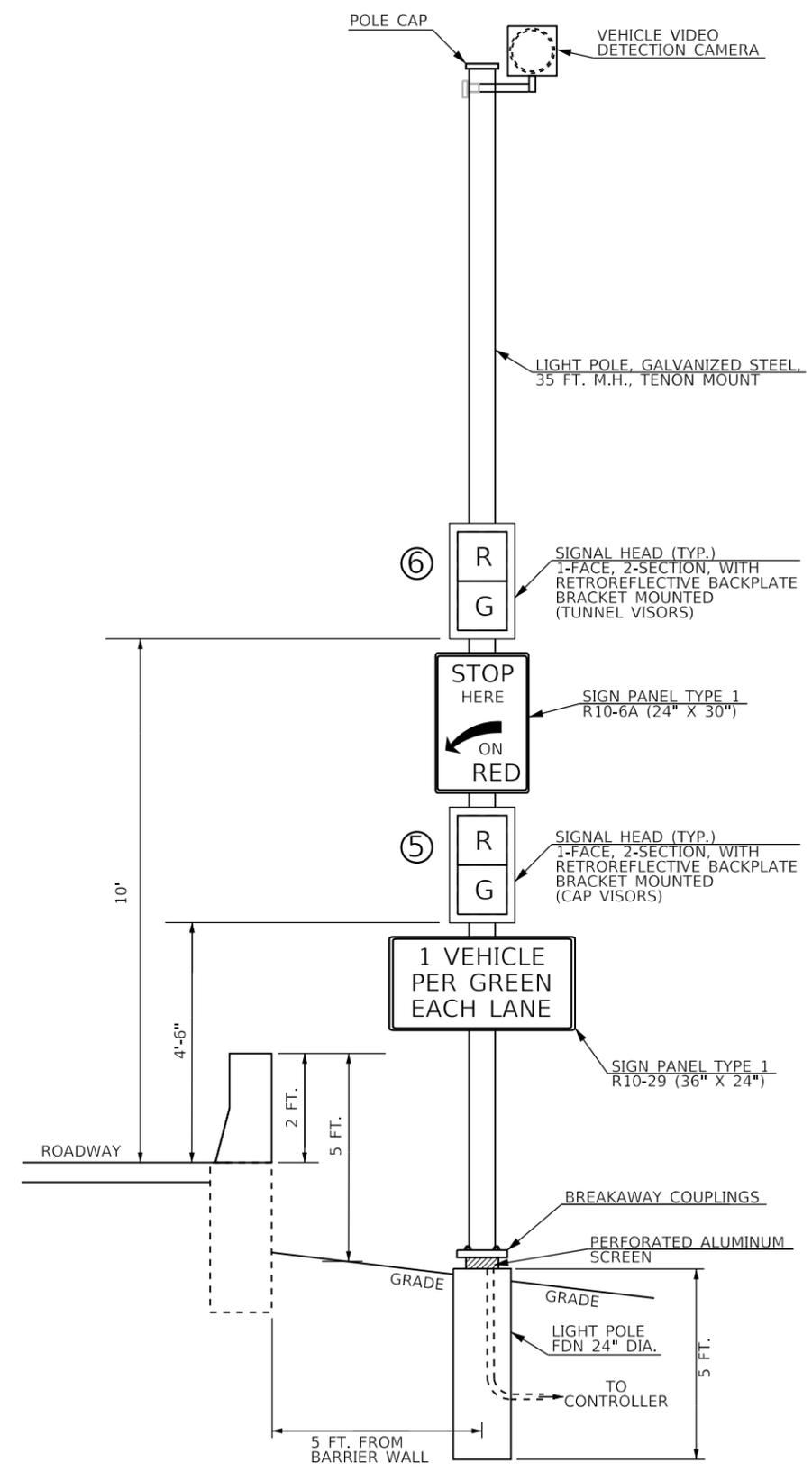
VEHICLE VIDEO DETECTION		
CAMERA LOCATION	MOUNTING HEIGHT (FT)	PHASE
TS-4	30	2
TS-5	30	4

GENERAL NOTES:

1. THE VEHICLE VIDEO DETECTION CAMERAS SHALL BE MOUNTED AT 30 FT. ABOVE ROADWAY, OR AT THE HIGHEST POSSIBLE POSITION.
2. THE VEHICLE VIDEO DETECTION CAMERA INSTALLED ON TS-4 SHALL BE POSITIONED AND PROGRAMMED TO DETECT VEHICLES FOR PHASE 2 (OUTSIDE LANE.)
3. THE VEHICLE VIDEO DETECTION CAMERA INSTALLED ON TS-5 SHALL BE POSITIONED AND PROGRAMMED TO DETECT VEHICLES FOR PHASE 4 (INSIDE LANE.)
4. SIGNAL HEADS 5 & 7 SHALL BE POSITIONED TO BE VISIBLE BY DRIVERS AT THE STOP BAR AND SHALL BE EQUIPPED WITH CAP VISORS.
5. SIGNAL HEADS 6 & 8 SHALL BE POSITIONED TO BE VISIBLE BY DRIVERS ENTERING THE RAMP AND SHALL BE EQUIPPED WITH TUNNEL VISORS.
6. ALL SIGNAL HEADS SHALL BE EQUIPPED WITH A WHITE ENFORCEMENT INDICATOR LIGHT. THE LIGHT SHALL BE INSTALLED ON THE BACK OF THE SIGNAL AND SHALL BE VISIBLE FROM THE CONTROLLER CABINET AND THE ADAMS ST. OVERPASS. THIS LIGHT SHALL BE WIRED TO TURN ON WHEN THE SIGNAL HEAD IS DISPLAYING A GREEN INDICATION AND BE DARK WHEN THE SIGNAL HEAD IS DARK OR IS DISPLAYING A RED INDICATION.



TS-5 POST DETAIL



TS-4 POST DETAIL

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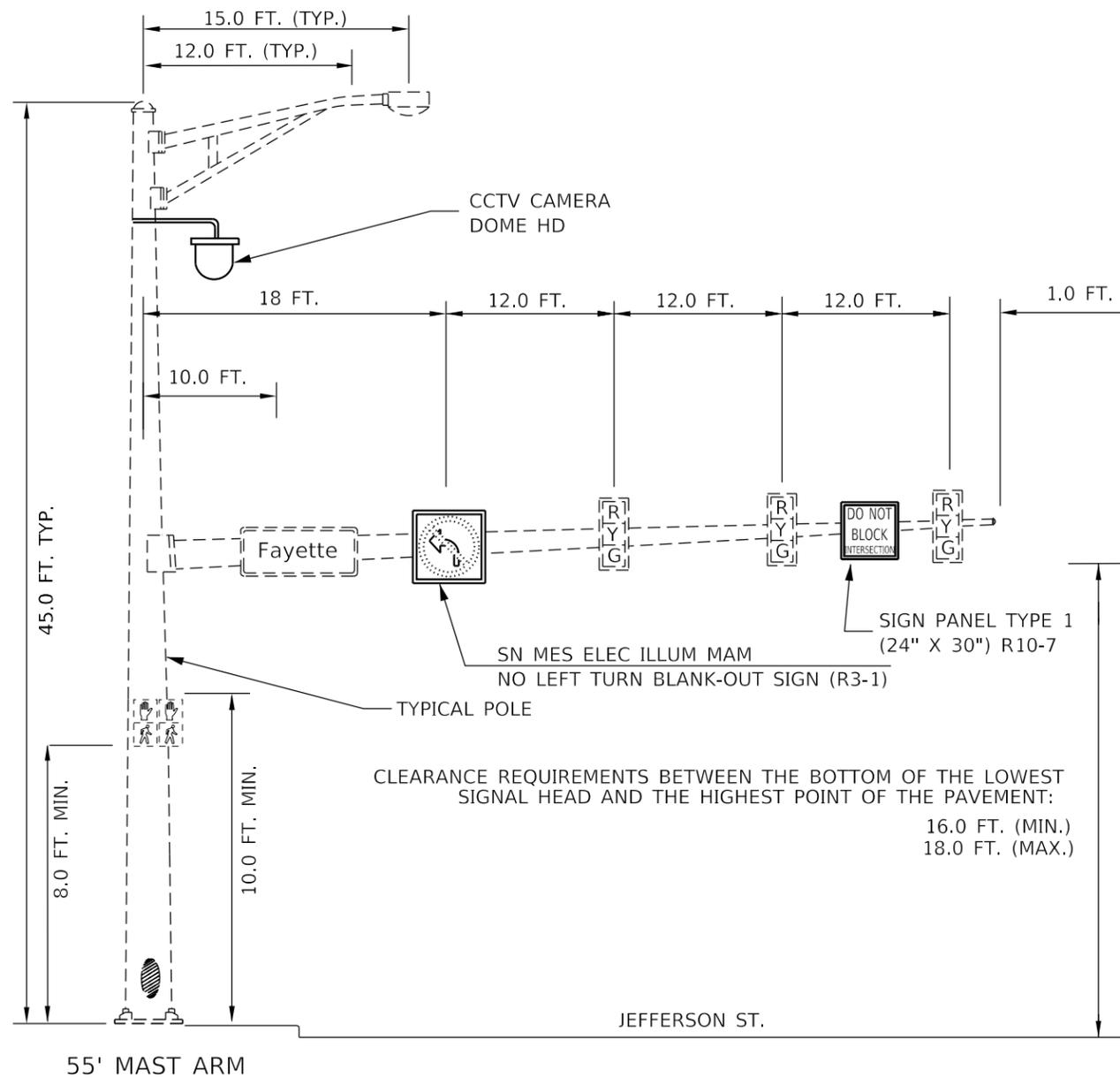
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DEPARTMENT OF TRANSPORTATION**

RAMP METER SIGNAL POST AND SIGN DETAIL				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

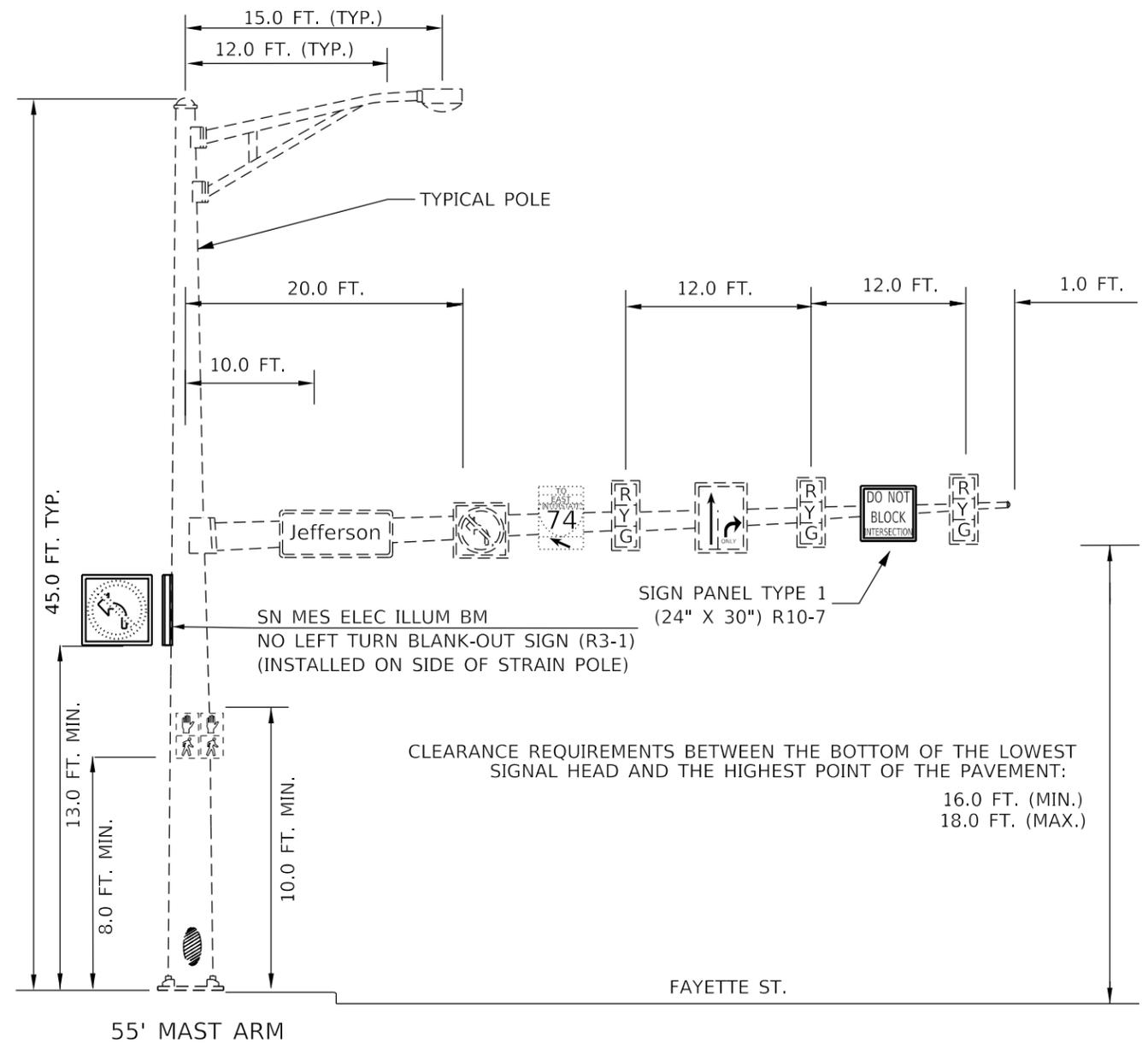
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]	PEORIA	20	15
CONTRACT NO. 68F42				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE



WESTBOUND TRAFFIC SIGNAL

SOUTHWEST CORNER OF FAYETTE ST. & JEFFERSON ST.



SOUTHBOUND TRAFFIC SIGNAL

SOUTHEAST CORNER OF FAYETTE ST. & JEFFERSON ST.

NOTES:

1. THE "NO LEFT TURN" BLANK OUT SIGN INSTALLED ON THE WB MAST ARM SHALL BE CENTERED OVER THE WB LEFT TURN LANE. THE FAYETTE STREET SIGN ON THE WB MAST ARM SHALL BE MOVED TOWARD THE MAST ARM STRAIN POLE IN ORDER TO ACCOMMODATE THE PROPOSED "NO LEFT TURN" BLANK OUT SIGN PLACEMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE "SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, MAST ARM MOUNTED."
2. THE PROPOSED CCTV CAMERA SHALL BE INSTALLED AT A MINIMUM MOUNTING HEIGHT OF 43 FT.
3. THE "NO LEFT TURN" BLANK OUT SIGN INSTALLED ON THE SB MAST ARM SHALL BE LOCATED ON THE MAST ARM STRAIN POLE AND VISIBLE TO WB TRAFFIC.
4. ALL BRACKETING, BANDING, HARDWARE, ETC. REQUIRED TO INSTALL THE PROPOSED SIGN PANELS AND BLANK OUT SIGNS SHALL BE INCLUDED IN THE BID PRICE OF THE SIGN PANELS AND ELECTRICALLY ILLUMINATED MESSAGE SIGNS.

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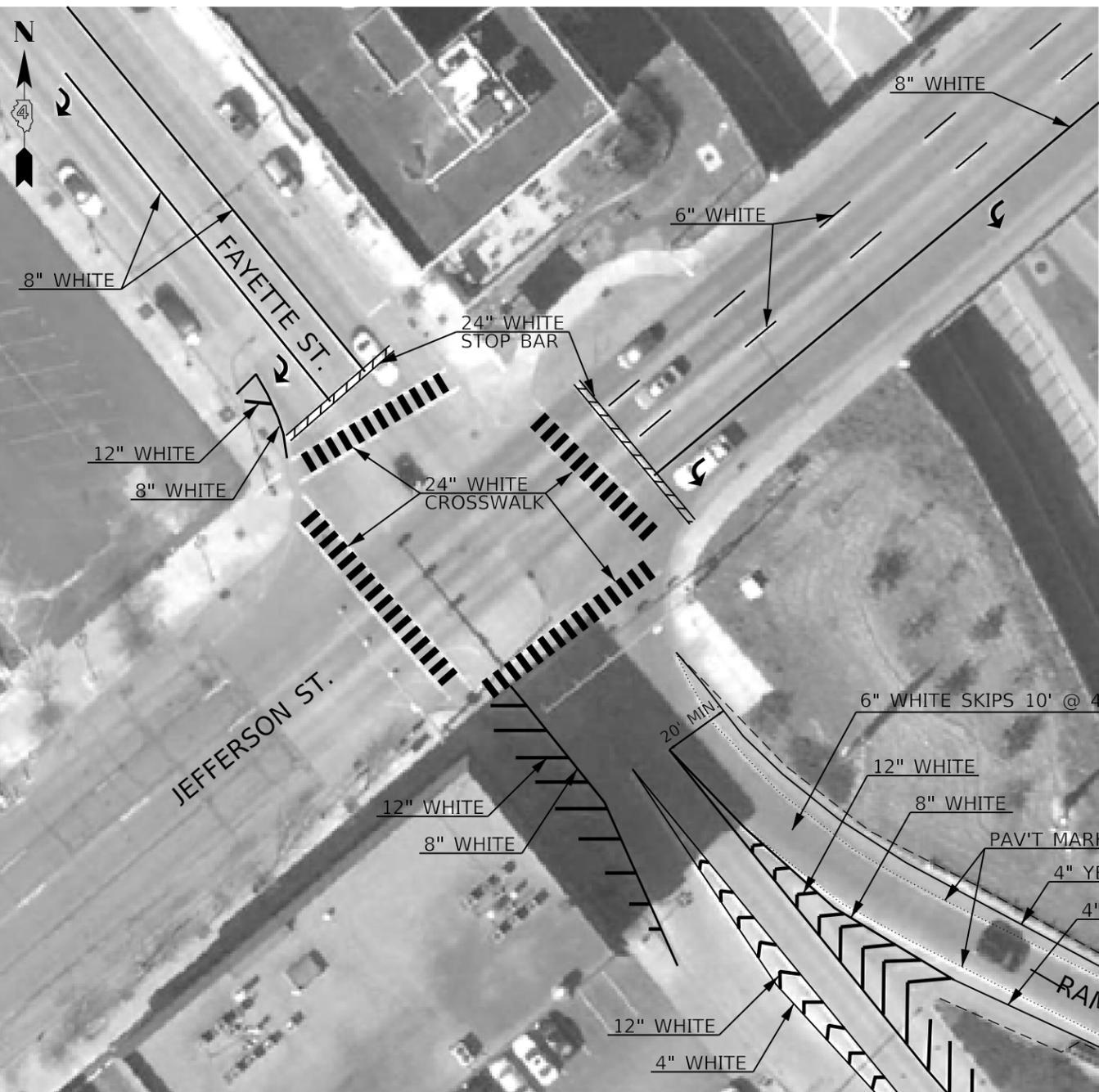
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DEPARTMENT OF TRANSPORTATION**

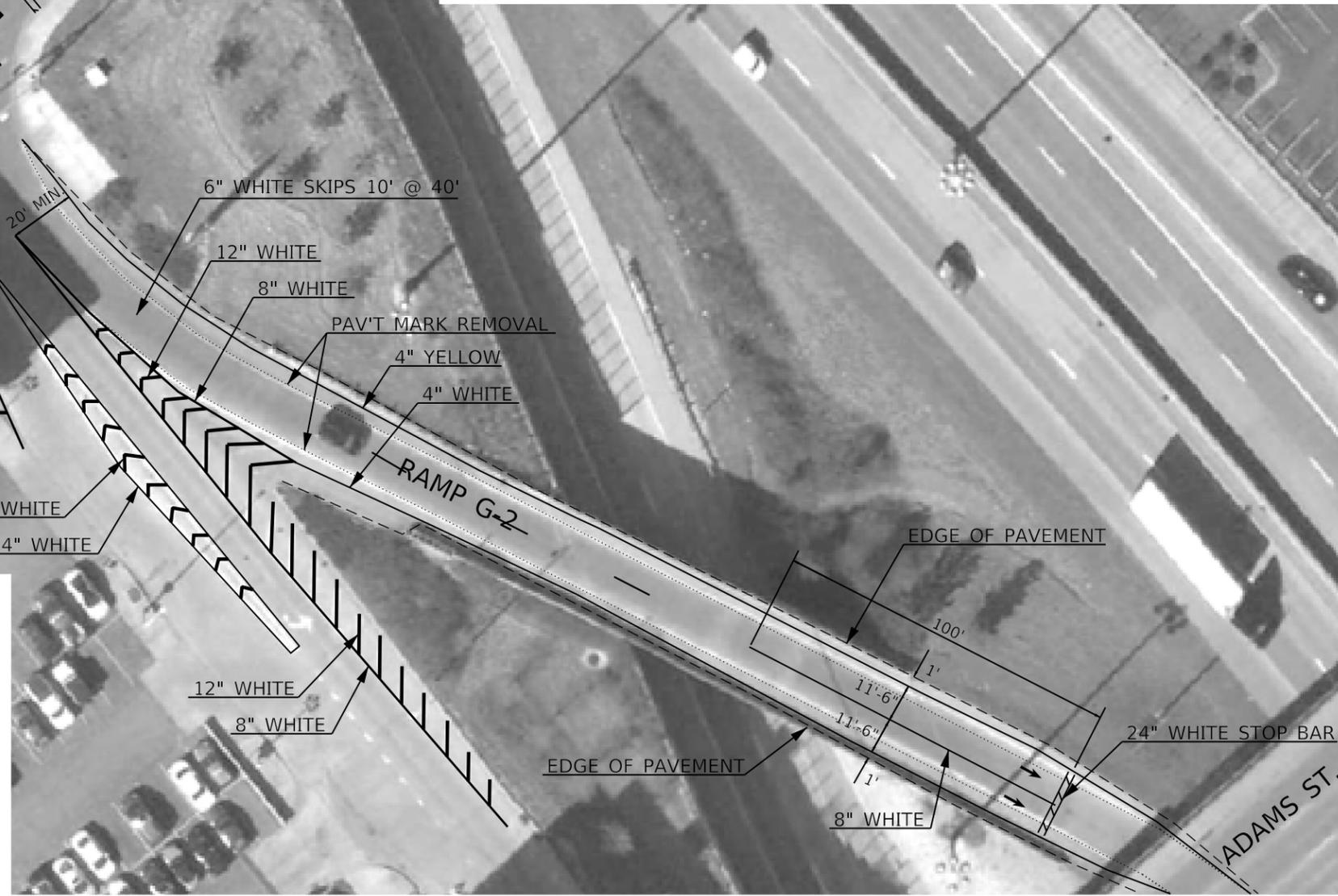
**PROPOSED MAST ARM DETAILS
JEFFERSON ST. & FAYETTE ST. - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	16
CONTRACT NO. 68F42				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING SCHEDULE													
PAY ITEM NO.	78009000	78009004		78009006	78009008	78009012	78009024	X0327980	X7830060	X7830070	X7830074	X7830076	X7830090
Location	Mod. Urethane Pav't Mark. - Ltrs & Sym.	Mod. Urethane Pav't Mark. - Line 4"		Mod. Urethane Pav't Mark. - Line 6"	Mod. Urethane Pav't Mark. - Line 8"	Mod. Urethane Pav't Mark. - Line 12"	Mod. Urethane Pav't Mark. - Line 24"	Pav't Mark. Rem. - Water Blasting	Grooving For Rec. Pav't. Mark. - Ltrs & Sym.	Grooving For Rec. Pav't. Mark. - 5"	Grooving For Rec. Pav't. Mark. - 7"	Grooving For Rec. Pav't. Mark. - 9"	Grooving For Rec. Pav't. Mark. - 25"
Station	White (Sq. Ft.)	Yellow (Ft.)	White (Ft.)	White (Ft.)	White (Ft.)	White (Ft.)	White (Ft.)	Sq. Ft.	Sq. Ft.	Ft.	Ft.	Ft.	Ft.
RAMP G-2 STA. 10+000 to STA. 10+250	34.5	450.0	350.0	40.0	100.0		25.0	267.0	34.5	800.0	40.0	60.0	25.0
FAYETTE ST. STA. 200+800 to STA. 200+950	31.2				740.0	429.0	202.0						
JEFFERSON ST. STA. 100+00 to STA. 99+900	31.2			100.0	170.0		220.0						
Total	96.9	800.0	140.0	1010.0	429.0	447.0	267.0	34.5	800.0	40.0	60.0	25.0	



NOTE:
THE CONTRACTOR SHALL CONTACT BILL HARRMAN (309)-370-7513 BEFORE STARTING ANY WORK ON PAVEMENT MARKING REMOVAL OR PLACEMENT.

LEGEND	
	PROP. PAVEMENT MARKING
	PROP. STOP BAR
	EX. PAVEMENT MARKING TO BE REMOVED
	EX. EDGE OF PAVEMENT

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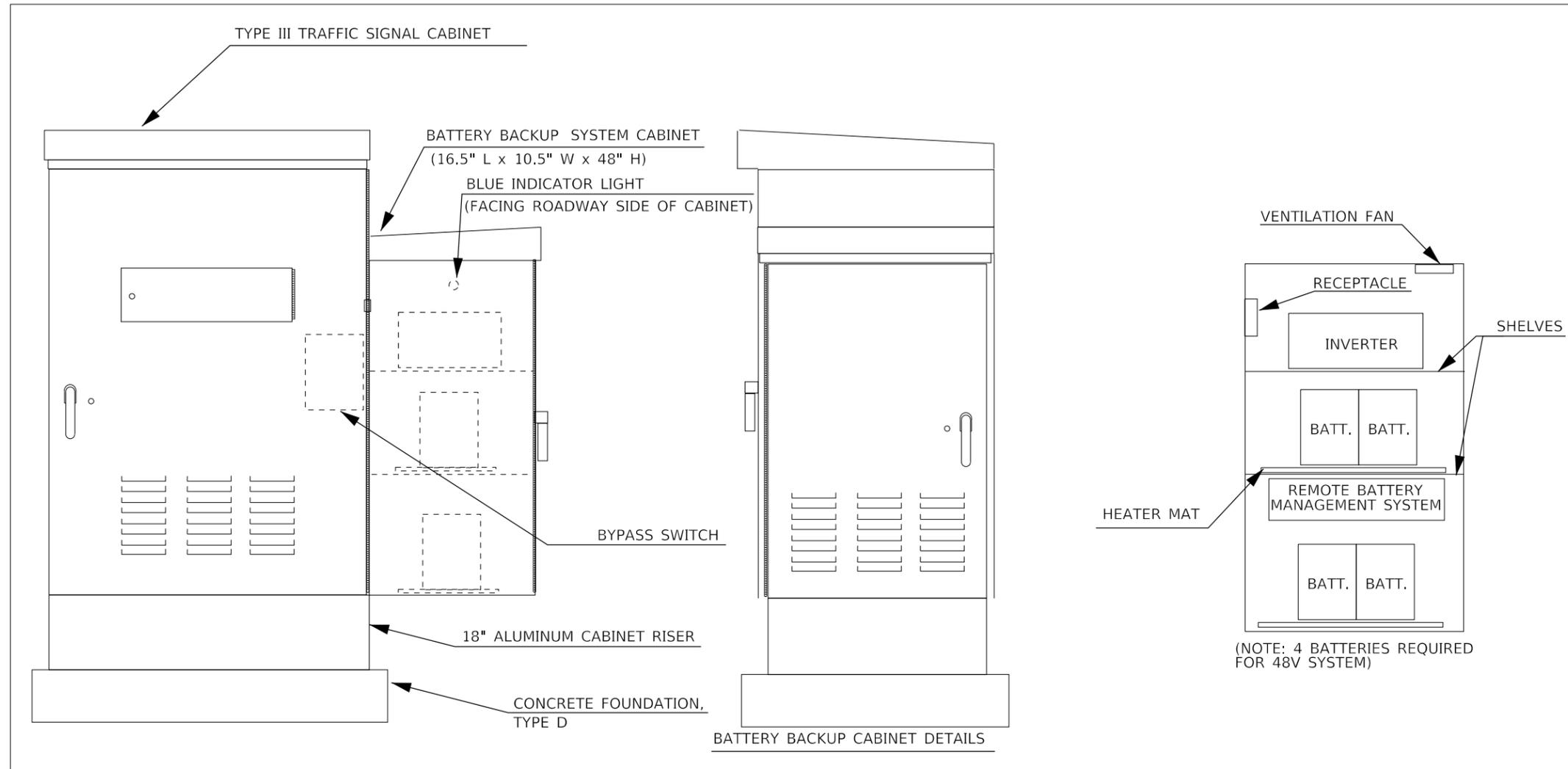
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PLOT DATE = 1/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED PAVEMENT MARKING PLANS
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	17
CONTRACT NO. 68F42				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE



NOTES:

1. THE BATTERY BACKUP SYSTEM CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF (16.5" L x 10.5" W x 48" H). 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 BATTERY BACKUP SYSTEM SHALL INCLUDE A REMOTE BATTERY MANAGEMENT SYSTEM TO PROVIDE DETAILED REAL-TIME INFORMATION ON BATTERY STATUS AND HAVE THE ABILITY TO PERFORM INTELLIGENT BATTERY BALANCING TO EXTEND BATTERY LIFE.

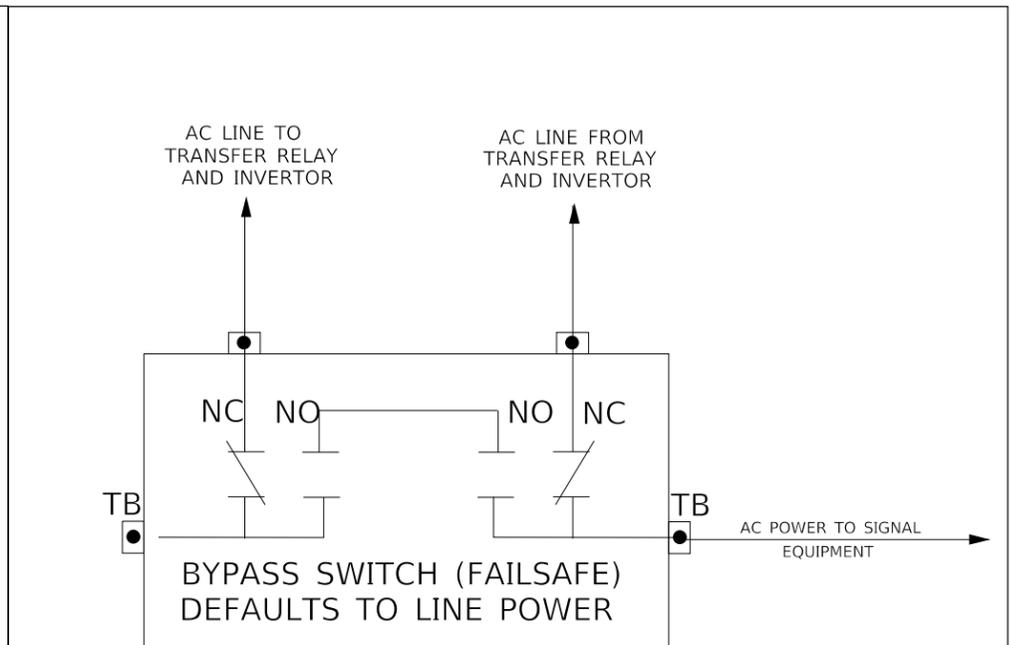
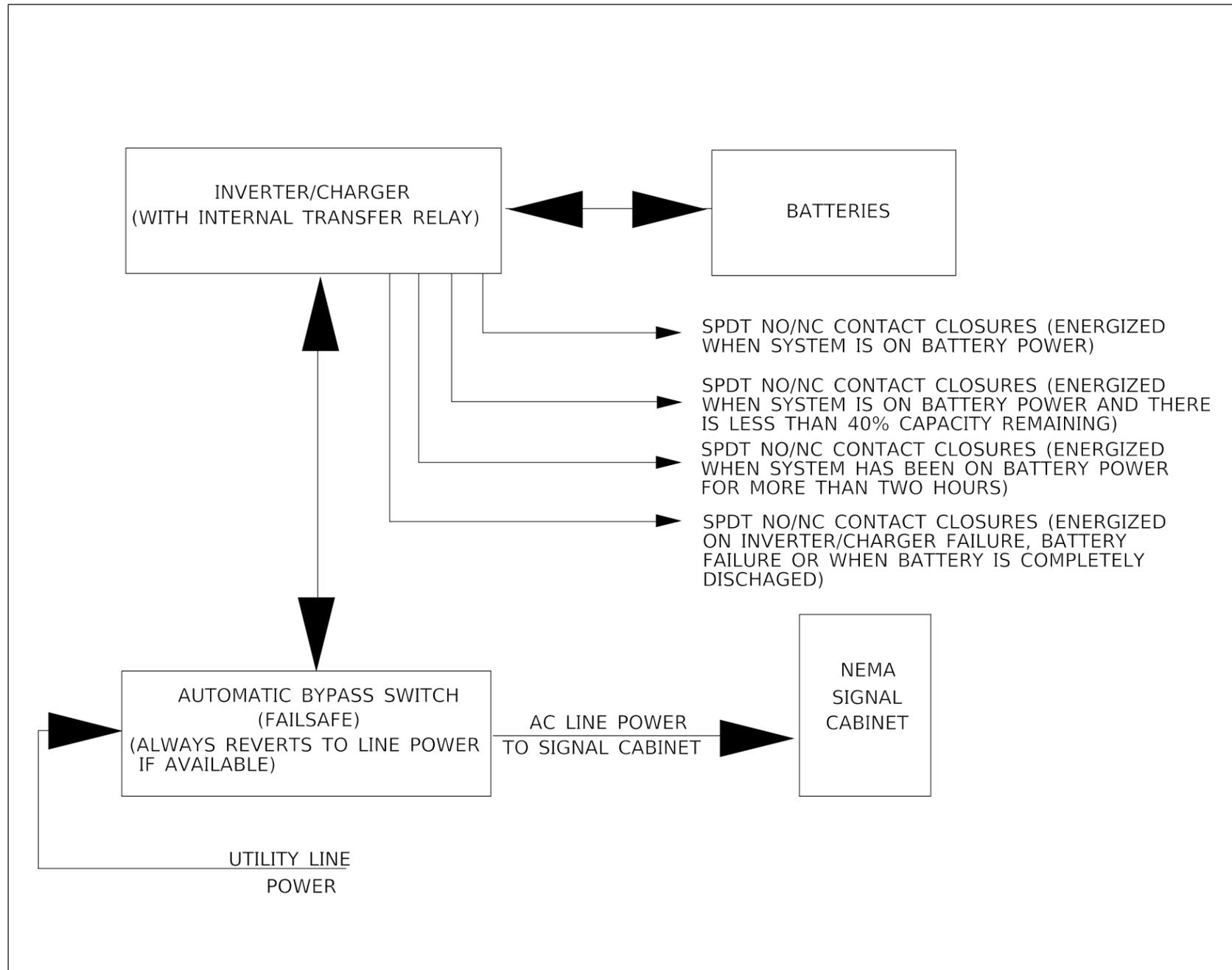
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PLOT SCALE = 42.9315' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

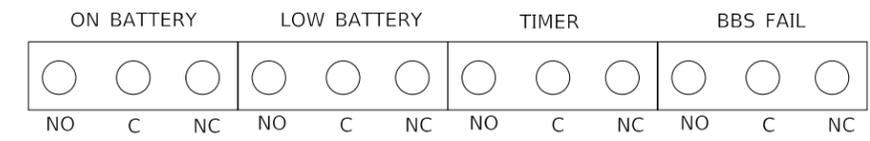
BATTERY BACKUP SYSTEM CABINET DETAIL				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	18
CONTRACT NO. 68F42				
ILLINOIS FED. AID PROJECT				



NOTES:

1. TB - #8 TERMINAL BLOCKS
2. NO - NORMALLY OPEN
3. NC - NORMALLY CLOSED
4. NO/NC CONTACTS SHALL ALL TOGGLE SIMULTANEOUSLY WITH A SINGLE MANUALLY OPERATED SWITCH.
5. THE MANUAL BYPASS SWITCH SHALL ONLY SWITCH LINE POWER. THE NEUTRAL AND EQUIPMENT GROUND SHALL NOT BE SWITCHED AND SHALL BE CONNECTED TO THE NEMA CABINET BUSES.



NO/NC CONTACTS MAY SHARE OR USE SEPARATE COMMONS.

MODEL: Default
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USER NAME = howalder	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 42.9315 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2020	DATE -	REVISED -

STATE OF ILLINOIS
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BATTERY BACKUP SYSTEM BLOCK
AND BYPASS SWITCH DIAGRAMS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	[(72-9)R-1]I	PEORIA	20	20
CONTRACT NO. 68F42			ILLINOIS FED. AID PROJECT	