01-15-2016 LETTING ITEM 025

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 765 (IL 108 / MAIN ST.)
SECTION D6 2015-4 HSRR
TRAFFIC SIGNAL AND RAILROAD
INTERCONNECT MODIFICATIONS
IL 108 (MAIN ST.) AND ALTON RD/CHILES ST.
MACOUPIN COUNTY / CITY OF CARLINVILLE

C-96-057-15

PROJECT: HSR - 0765 (010)

FUNCTIONAL CLASSIFICATION = OTHER PRINCIPAL ARTERIAL 2012 ADT = 7,750

ZUTZ ADI = 7,750DESIGN SPEED = 30 MPH

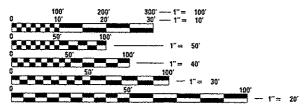
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VARIANCE = NONE

P.V. = NA S.U. = NA M.U. = NA

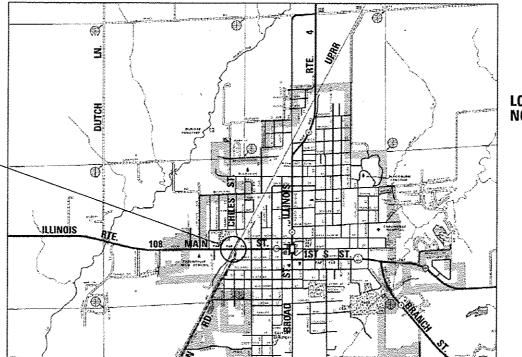
LOCATION OF PROJECT



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

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

PROJECT ENGINEER: KEITH DONOVAN, (217) 782-4761





SECTION 29 3RD P.M.
> DOT# 294388A MP 223.76





DAXE 10 /02 /2015

IL/REG. P.E. NO. 62-055763

EXPIRES: 11 / 30 / 2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

20 5

DIM D, BAVANTE DI PER

ENGINEER OF DESIGN AND ENVIRONMENT & DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

AECOM

AECOM TECHNICAL SERVICES, INC. 303 E WACKER DRIVE, SUITE 1400 CHICAGO, ILLINOIS 60601

INDEX OF SHEETS

TS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-09	URBAN LANE CLOSURE. MULTILANE INTERSECTION
701901-04	TRAFFIC CONTROL DEVICES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
857006-01	SUPERVISED RAILROAD INTERCONNECT CIRCUIT
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
878001-10	CONCRETE FOUNDATION DETAILS

COMMITMENTS

NONE, October 23, 2015

GENERAL NOTES

NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET. THE CONTRACTOR SHALL DEVELOP A PLAN TO ACCOMPLISH THIS WORK AND MINIMIZE DISRUPTION OF VEHICULAR, RAIL, AND PEDESTRIAN TRAFFIC. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE AND MAINTAIN ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION,

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATION PRIOR TO CONSTRUCTION.

BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC. TELEPHONE, AND GAS FACILITIES (MINIMUM 48 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR SHALL CALL THE UNION PACIFIC "CALL BEFORE YOU DIG" OPERATION AT 1-800-336-9193 FOR FIELD LOCATIONS OF UNION PACIFIC OWNED BURIED FIBER OPTIC CABLES IN UNION PACIFIC RIGHT OF WAY.

MEMBERS OF "JULIE" KNOWN TO BE WITHIN THE VICINITY OF THE IMPROVEMENT ARE:

- 1. COMCAST (FO) (A)
- Z. MCI (FO)
- 3. FRONTIER COMMUNICATIONS (T)
- 4. AT&T (T) (FQ) 5. RCN (FQ)
- 5. RUN (FU
- 6, AMEREN (C) (E)
- 7. CITY OF CARLINVILLE (W) (STORM SEWER) (SANITARY SEWER)

NON-"JULIE" MEMBERS WITHIN THE VICINITY OF THE IMPROVEMENT ARE:

1. UNION PACIFIC RAILROAD COMPANY (U.P.R.R.)

THE CONTRACTOR SHALL COORDINATE WITH THE UPRR SIGNAL DEPARTMENT FOR [TEMS REMOVED OR INSTALLED BY THE UPRR SIGNAL DEPARTMENT.

U.P.R.R. FLAGGERS SHALL BE PRESENT WHEN WORKING WITHIN THE U.P.P.R. RIGHT-OF-WAY. THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE THE U.P.P.R. TO ASSURE THAT FLAGGERS ARE PRESENT DURING CONSTRUCTION, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FOR STABILIZATION, ALL TYPE III BARRICADES (WHERE NEEDED) SHALL REDUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. THE AREAS TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF "MODIFY EXISTING CONTROLLER FOUNDATION".

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER SHOWN IN THE LIST OF HICHWAY STANDARDS INCLUDED ON THIS SHEET OR REFERENCED IN THESE PLANS.

THE CONTRACTOR SHALL KEEP EXISTING ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN SAID PAVEMENTS ON A DAILY BASIS OR WHEN DIRECTED BY THE ENGINEER, NO EXTRA COMPENSATION SHALL BE ALLOWED THE CONTRACTOR FOR THIS WORK.

THE FURNISHING, INSTALLATION, RELOCATION AND REMOVAL OF ALL TRAFFIC CONTROL SIGNS, DETOUR SIGNS, AND TRAFFIC CONTROL DEVICES SHOWN ON THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION (SPECIAL)", THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL SIGNS AS REQUIRED BY THE ENGINEER, THE COST OF WHICH WILL ALSO BE INCLUDED IN "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. REDUCED SIZED PLANS CAN BE PRINTED TO SCALE FOR USE IN THE FIELD.

WHERE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED OF ANY SECTION OR SUB-SECTION MONUMENTS, BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

DISTRICT SIX

EXAMINED October 9th 20 15

OPERATIONS ENGINEER

EXAMINED October 14 20 15

PROJECT IMPLEMENTATION ENGINEER

EXAMINED October 5 20 15

PROGRAMDEVELOPMENT ENGINEER

£						
FILE NAME :	USER NAME : OUSERO	DESIGNED		MRF	REVISED	
FILEL		DRAWN	-	MRF	REVISED	
	PLOT SCALE * *SCALE*	CHECKED	_	MJL	REVISED	-
	PLOT DATE > 10ATE	DATE	_	10-23-15	BEVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL
NOTES AND COMMITMENTS

SCALE: NTS SHEET I OF I SHEETS STA. TO STA.

D672H80-sht-gennise.dgn 10/23/2015 11:31:43 AM

SUMMARY OF QUANTITIES

CONST. CODE TRAFFIC

1

EACH

SIGNALS 294388A 100% FED CODE TOTAL ITEM QUANTITY UNIT 0021 NO. 67100100 MOBILIZATION L SUM 1 87301715 ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 18 6 PAIR FOOT 1,773 1,773 89502215 MODIFY EXISTING CONTROLLER FOUNDATION EACH 1 1 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 1.773 1,773 89502350 FOOT 182 REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT 89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 2 2 EACH TRAFFIC CONTROL AND PROTECTION, (SPECIAL) X7010216 L SUM 1 X8571315 RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL 1 X8620200 UNINTERRUPTIBLE POWER SUPPLY. SPECIAL EACH 1 1 X8950105 REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET EACH 1 1 Z0010688 CAMERA MOUNTING ASSEMBLY EACH 6 6 Z0033072 VIDEO VEHICLE DETECTION SYSTEM EACH 1 1

* = SPECIALTY ITEM

Z0048665

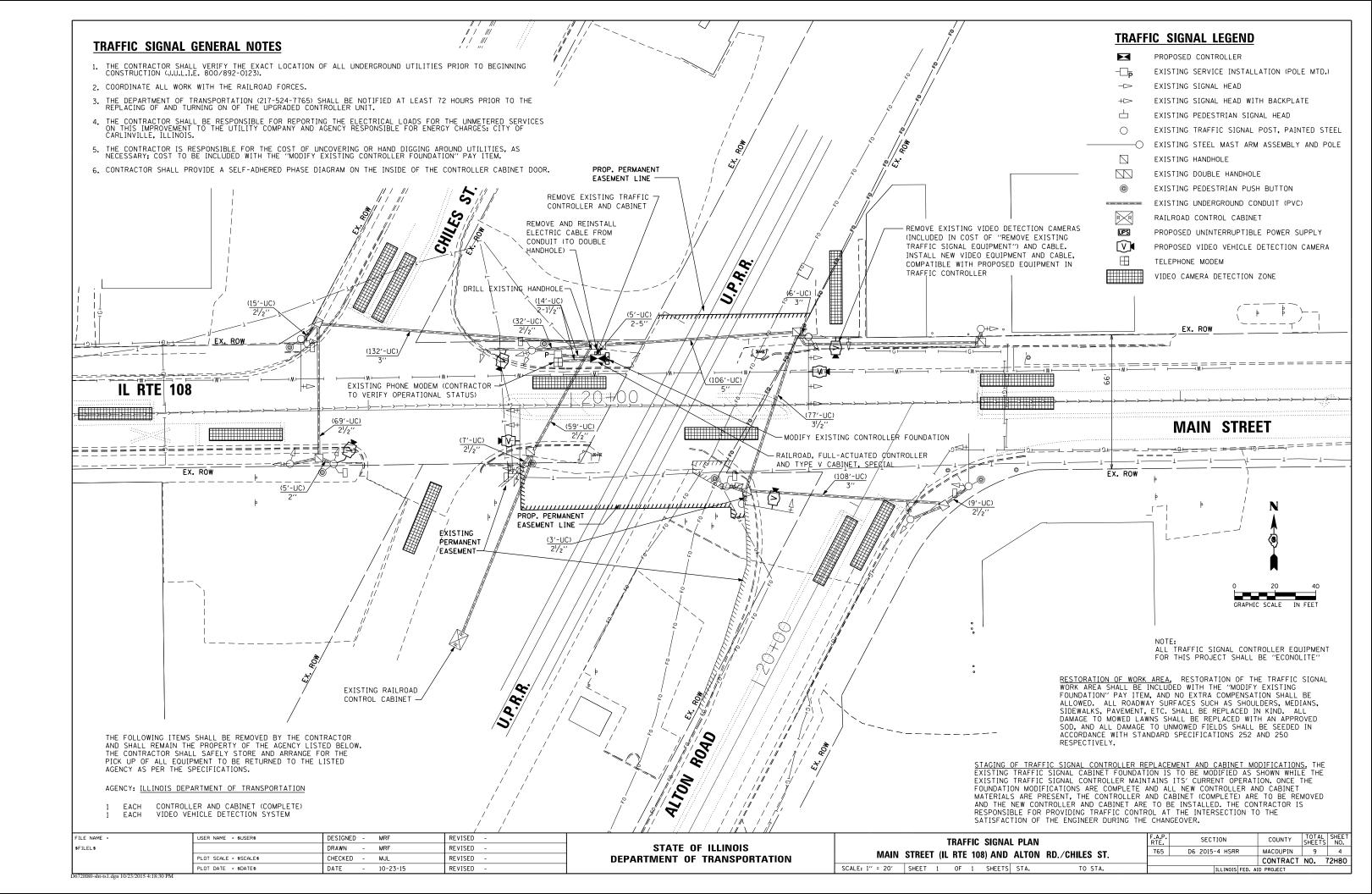
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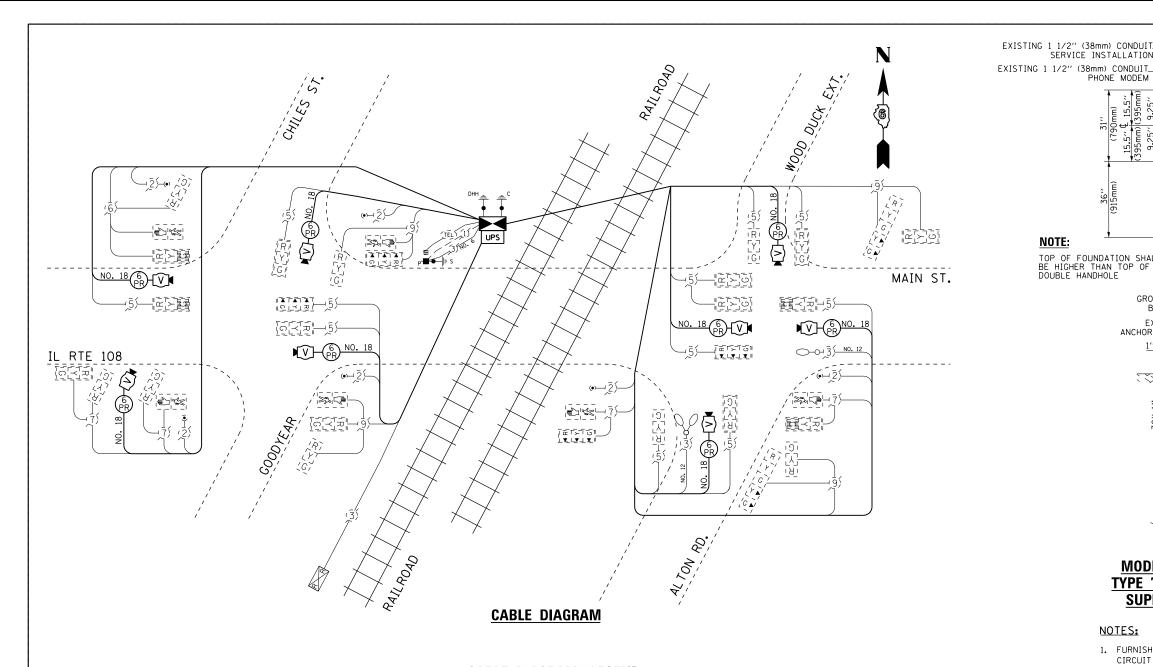
13

RAILROAD PROTECTIVE LIABILITY INSURANCE

SPARE FULL ACTUATED CONTROLLER, SPECIAL

FILE NAME : USER NAME : *USER* DESIGNED - MRF REVISED -DRAWN - MRF REVISED -STATE OF ILLINOIS SUMMARY OF QUANTITIES 4F{LEL# 06 2015-4 HSAR MACOUPIN 9 3 CHECKED - MJL PLOT SCALE . #SCALE# REVISED -DEPARTMENT OF TRANSPORTATION CONTRACT NO. 72H80 PLOT DATE . SDATES DATE - 10-23-15 REVISED -SHEET 1 OF 1 SHEETS STA. TO STA.





CABLE DIAGRAM LEGEND

NOTE: ALL ITEMS ARE EXISTING TO REMAIN UNLESS OTHERWISE STATED.

DENOTES NUMBER OF CONDUCTORS (EXISTING) ALL CABLE NO. 14 (UNLESS OTHERWISE NOTED)

> GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)

SERVICE INSTALLATION, POLE MTD.

UPGRADED CONTROLLER AND CABINET UPS

PROPOSED UNINTERRUPTIBLE POWER SUPPLY

GROUND ROD AT POST (P), MAST ARM (MA), CONTROLLER (C), HANDHOLE (HH), DOUBLE HANDHOLE (DHH) OR SERVICE INSTALLATION (S)

EXISTING RAILROAD CONTROL CABINET

SIGNAL SECTION, 12", WITH GEOMETRICALLY

SIGNAL SECTION, 12"

PEDESTRIAN PUSHBUTTON

WALK/DON'T WALK SECTION

TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC

EXISTING MAST ARM MOUNTED LIGHT FIXTURE

UPGRADED VIDEO VEHICLE DETECTION SYSTEM CAMERA

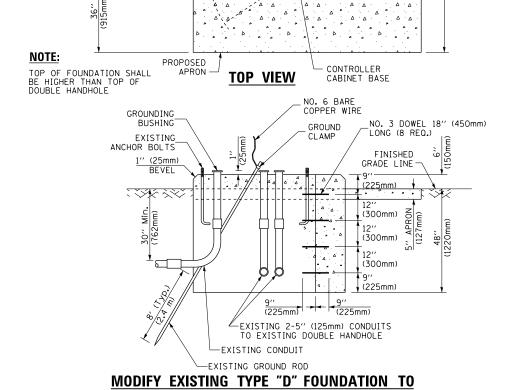
EXISTING PHONE MODEM

SEE TRAFFIC SIGNAL PLAN FOR NOTES REGARDING THE STAGING OF TRAFFIC SIGNAL CONTROLLER REPLACEMENT AND CABINET FOUNDATION MODIFICATIONS.

USER NAME = \$USER\$

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION COUNTY TRAFFIC SIGNAL CABLE PLAN AND SCHEDULE OF QUANTITIES 765 D6 2015-4 HSRR MACOUPIN 9 5 MAIN STREET (IL RTE 108) AND ALTON RD./CHILES ST. CONTRACT NO. 72H80 SCALE: NTS SHEET 1 OF 1 SHEETS STA.



66" (1675mm)

40.75" (1035mm)

36" (915mm)

19.875" (504mm)

NOTES:

SERVICE INSTALLATION

PHONE MODEM

1. FURNISH AND INSTALL A 20 AMP, 1 POLE, 120VAC, 10,000 A/C AT 120VAC CIRCUIT BREAKER FOR LIGHTING, A 20 AMP, 1 POLE, 120VAC, 10,000 A/C AT 120VAC CIRCUIT BREAKER FOR DUPLEX RECEPTACLES, AND A U.L. LISTED GROUNDED THREE-WIRE, 120VAC, 20 AMP GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE (NEMA 5-20R) ALL LOCATED IN THE CONTROLLER CABINET.

TYPE "C" FOUNDATION FOR GROUND MOUNTED SUPER P (TYPE IV) AND SUPER R (TYPE V)

CONTROLLER CABINETS

- 2. CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE V "SUPER R" CABINET (ECONOLITE).
- 3. THE TRAFFIC SIGNAL CONTROLLER SHALL HAVE REMOTE MONITORING CAPABILITES INCLUDING ALL NECESSARY PERIPHERAL HARDWARE SUCH AS A PHONE MODEM, INTERSECTION MONITOR, ETC. TO ALLOW FOR BOTH REMOTE DIAL-IN ACCESS AND AUTOMATIC CONTROLLER DIAL-OUT REPORTING OF ALARMS. THE COST OF THE NECESSARY ADDITIONAL HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR "RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL."

SCHEDULE OF QUANTITIES

PAY ITEM	UNI TS	QNTY.
ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 18 6 PAIR	FOOT	1,773
MODIFY EXISTING CONTROLLER FOUNDATION	EACH	1
REMOVE EXISTING CABLE FROM CONDUIT	FOOT	1,773
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	182
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	6
VIDEO VEHICLE DETECTION SYSTEM	EACH	1

FILE NAME

\$FILEL\$

PLOT DATE = \$DATE\$

DESIGNED -

ORAWN MRF REVISED CHECKED MJL REVISED REVISED DATE 10-23-15

REVISED

SEQUENCE OF OPERATION

MOVEMENT			IL RTE 106		MAIN ST.			រ. ឧក - -	E 108		MAIN ST.	IL RTE	108		/ == a <u>in</u> St.				IL RTE 1	55 00 7 100 11 11 11 11 11 11					
PHASE				1 + 5					1 -	+ 6			2 +	+ 5						2 +	- 6				
INTERVAL	1	2A	2B	3A	3B	4	4A	5	6	7A	7B	8	9	10A	10B	11	12	13A	13B	13C	13D	14A	14B	14C	14D
CHANGE TO		1	+ 6	2	+ 5	2 -	+ 6	8	8	2 -	+ 6	8	8	2 -	+ 6				-	3				1	
MAIN STREET AT ALTON ROAD W. END MAST ARM AND FAR LEFT SIGNALS	B G	Y	⊸ R	⊸ G	⊸ G	⊸ Y	⊸ R	⊸ R	→ R	⊸ R	→ R	⊸ G	⊸ G	→ Y	₽ R	⊸ R	⊸ R	⊸ R	→ R	⊸ R	₽ R	⊸ R	→ R	⊸ R	→ R
MAIN STREET AT ALTON ROAD W. MID & FAR RIGHT MAST ARM, NEAR RIGHT SIGNALS	B R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	Y	R	R	R	Y	R	R	R
MAIN STREET AT ALTON ROAD EALL SIGNALS	B R	R	R	R	R	R	R	G	G	G	G	R	R	R	R	G	G	G	G	G	G	G	G	Y	R
ALTON ROAD FAR LEFT AND MAST ARM SIGNALS	B R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ALTON ROAD FAR RIGHT AND NEAR RIGHT SIGNALS	B R _G	R _Y	R	R _C	R _C	R _Y	R	R	R	R	R	R _G_	R _G_	R _Y	R	R	R	R	R	R	R	R	R	R	R
WOOD DUCK EXIT SA	B R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET AT CHILES STREET E END MAST ARM AND FAR LEFT SIGNALS	′B <u>G</u>	⊸ G	⊸ G	-Y	⊸R	⊸ Y	⊸ R	⊸ G	⊸ G	¥	→ R	⊸ R	⊸ R	⊸ R	∢R	⊸ R	₽	⊸ R	₽ R	⊸ R	⊸ R				
MAIN STREET AT CHILES STREET MID MAST ARM, FAR RIGHT AND NEAR RIGHT SIGNALS	B R	R	R	R	R	R	R	G	G	G	G	R	R	R	R	G	G	Y	R	R	R	Y	R	R	R
MAIN STREET AT CHILES STREET WALL SIGNALS	′B R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	G	Y	R	G	G	G	G
CHILES STREET AT MAIN STREET S ALL SIGNALS	′B R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
GOODYEAR ENT. AT MAIN STREET NALL SIGNALS	′B R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING ALTON ROAD ON SOUTH SIDE OF MAIN STREET	Н	Н	Н	Н	Н	Н	Н	*P	**FH	Н	Н	Н	Н	Н	Н	*P	**FH	Н	Н	Н	Н	Н	Н	Н	Н
PEDESTRIAN SIGNALS CROSSING CHILES STREET ON NORTH SIDE OF MAIN STREET	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	*P	**FH	Н	Н	*P	**FH	Н	Н	Н	Н	Н	Н	Н	Н
PEDESTRIAN SIGNALS CROSSING GOODYEAR ENT. ON SOUTH SIDE OF MAIN STREET	Н	Н	Н	Н	Н	Н	Н	*P	**FH	Н	Н	Н	Н	Н	Н	*P	**FH	Н	Н	Н	Н	Н	Н	Н	Н

PHASE 2 + 6 SHALL BE PLACED ON RECALL

- * = TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- ** = FLASHING "DON' T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
- P = ILLUMINATED PERSON = WALK
- FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
- H = ILLUMINATED SOLID HAND = DON'T WALK
- θ = THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING"DON'T WALK" INTERVALS.

FILE NAME =	USER NAME = \$USER\$	DESIGNED - MRF	REVISED -		TRAFFIC SIGNAL SEQUENCE OF OPERATION (1 OF 2)	F.A.P. SECTION	COUNTY TOTAL SHEET SHEETS NO.
\$FILEL\$	DI OT COME - ACCOMES	DRAWN - MRF	REVISED -	STATE OF ILLINOIS	MAIN STREET (IL RTE 108) AND ALTON RD./CHILES ST.	765 D6 2015-4 HSRR	MACOUPIN 9 6
	PLOT SCALE = \$SCALE\$ PLOT DATE = \$DATE\$	DATE - 10-23-15	REVISED -	DEPARTMENT OF TRANSPORTATION	SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.	ILLINOIS FED.	CONTRACT NO. 72H80

SEQUENCE OF OPERATION

MOVEMENT						IL RTE	108 		MAIN ST.							IL RTE 108		MAIN ST.					IL RTE 108		MAIN ST.			
PHASE							2	+ 6									3							4				F
INTERVAL		15A	15B	15C	15D	16A	16B	16C	16D	17A	17B	17C	17D	18	19A	19B	19C	19D	20A	20B	21	22A	22B	22C	22D	23A	23B	L A S
CHANGE TO		'	1	+ 5			1	+ 6	1		2	+ 5				1 2	+ 5 + 5 4			+ 6				+ 5			+ 5	Н
MAIN STREET AT ALTON ROAD WEND MAST ARM AND FAR LEFT SIGNALS	1/B	⊸ R	→ R	⊸ R.	→ R	→ R	→ R	⊸ R	⊸ R	⊸ R	⊸ R	→ R	⊸ R	→ R	⊸ R	⊸ R	→ R	⊸ R	⊸ R	⊸ R	⊸ R	R						
MAIN STREET AT ALTON ROAD MID & FAR RIGHT MAST ARM, NEAR RIGHT SIGNALS	1/B	Υ	R	R	R	Y	R	R	R	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET AT ALTON ROAD E	:/B	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	G	Y	R	G	G	R	R	R	R	R	R	R	R
ALTON ROAD FAR LEFT AND MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	Υ	R	R
ALTON ROAD FAR RIGHT AND NEAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	Υ	R	R
WOOD DUCK EXIT SALL SIGNALS	5/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	Y	R	R
MAIN STREET AT CHILES STREET END MAST ARM AND FAR LEFT SIGNALS	E/B	⊸ R	⊸ R	⊸ R	⊸R	→ R	⊸R	⊸ R	■R	⊸ R	⊸ R	⊸ R	⊸ R	⊸R	⊸ R	⊸ R	⊸ R	→ R	⊸ R	⊸ R	⊸R	⊸ R	→ R	⊸ R	⊸ R	⊸ R	⊸ R	R
MAIN STREET AT CHILES STREET MID MAST ARM, FAR RIGHT AND NEAR RIGHT SIGNALS	E/B	Υ	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET AT CHILES STREET ALL SIGNALS	W/B	G	G	Y	R	G	G	Y	R	G	G	G	G	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	R
CHILES STREET AT MAIN STREET ALL SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R
GOODYEAR ENT. AT MAIN STREET ALL SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING ALTON ROAD ON SOUTH SIDE OF MAIN STREET		Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	D
PEDESTRIAN SIGNALS CROSSING CHILES STREET ON NORTH SIDE OF MAIN STREET		Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	D A R
PEDESTRIAN SIGNALS CROSSING GOODYEAR ENT. ON SOUTH SIDE OF MAIN STREET		Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	K

PHASE 2 + 6 SHALL BE PLACED ON RECALL

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- \[\theta = THIS ''Walk'' OR FLASHING '' DON'T WALK'' INTERVAL MAY FINISH TIMING
 IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW
 TIME IS NOT SUFFICIENT TO COMPLETE ''WALK'' OR FLASHING''DON'T WALK''
 INTERVALS.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	MRF	REVISED -
\$FILEL\$		DRAWN -	MRF	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	MJL	REVISED -
	PLOT DATE = \$DATE\$	DATE -	10-23-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	TRAF	FIC SIG	INAL	SEC	QUEN	CE OF	OPERA	TION (2 OF 2)
	MAIN	STREET	(IL I	RTE	108)	AND	ALTON	RD./CHILES ST.
SCALE:	NTS	SHEET :	2	OF :	3 9	HEETS	STA.	TO STA.

RAILROAD PREEMPTION SEQUENCE OF OPERATION

													PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		5	}	3	1	1	18		21						
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	2	3	4	5	CLEAR TO NORMAL
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	2	1M	2	3	4	5		SEQUENCE
MAIN STREET AT ALTON ROAD W/B END MAST ARM AND FAR LEFT SIGNALS	→ Y	⊸ R	⊸R	⊸R	→ Y	⊸R	⊸R	⊸ R	⊸R	⊸R	⊸R	⊸R	⊸R	⊸R	⊸R	⊸ G	Δ
MAIN STREET AT ALTON ROAD W/B MID & FAR RIGHT MAST ARM, NEAR RIGHT SIGNALS	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	R	Δ
MAIN STREET AT ALTON ROAD E/B ALL SIGNALS	R	R	G	G	R	R	G	G	G	G	R	R	G	Y	R	R	Δ
ALTON ROAD FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ
ALTON ROAD FAR RIGHT AND NEAR RIGHT SIGNALS	R _Y	R	R	R	R _Y	R	R	R	R	R	Y	R	R	R	R	R _G	Δ
WOOD DUCK EXIT S/B ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ
MAIN STREET AT CHILES STREET E/B END MAST ARM AND FAR LEFT SIGNALS	→ Y	⊸ R	Y	⊸R	⊸R	⊸ R	⊸R	⊸R	⊸R	⊸ R	⊸R	⊸R	⊸R	⊸R	⊸R	<u> G</u>	Δ
MAIN STREET AT CHILES STREET E/B MID MAST ARM, FAR RIGHT AND NEAR RIGHT SIGNALS	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	Δ
MAIN STREET AT CHILES STREET W/E	R	R	R	R	G	G	G	G	R	R	G	G	G	Υ	R	R	Δ
CHILES STREET AT MAIN STREET S/E	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Δ
GOODYEAR ENT. AT MAIN STREET N/E	R	R	R	R	R	R	R	R	Υ	R	R	R	R	R	R	R	Δ
PEDESTRIAN SIGNALS CROSSING ALTON ROAD ON SOUTH SIDE OF MAIN STREET	Н	Н	**FH	Н	Н	Н	**FH	Н	Н	Н	Н	Н	Н	Н	Н	Н	Δ
PEDESTRIAN SIGNALS CROSSING CHILES STREET ON NORTH SIDE OF MAIN STREET	Н	Н	Н	Н	**FH	Н	**FH	Н	Н	Н	Н	Н	Н	Н	Н	Н	Δ
PEDESTRIAN SIGNALS CROSSING GOODYEAR ENT. ON SOUTH SIDE OF MAIN STREET	Н	Н	**FH	Н	Н	Н	**FH	Н	Н	Н	Н	Н	Н	Н	Н	Н	Δ

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

- * = TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- •• = FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

☐ = RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD INTERVAL 5 IS TERMINATED.

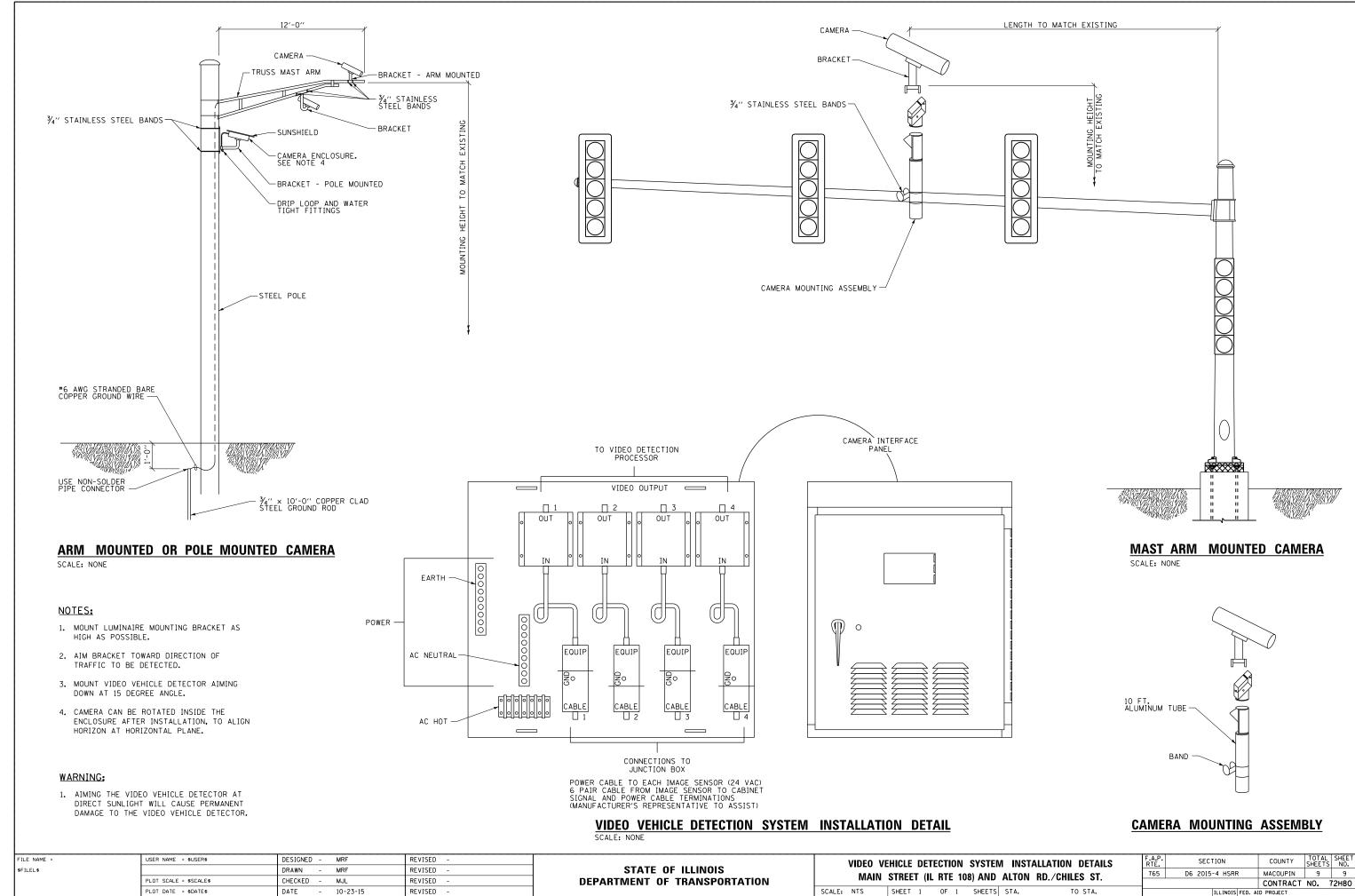
NOTES

1. ONCE PREEMPTION HAS BEEN CALLED, THE TRACK CLEAR SIGNAL DISPLAY SHALL APPEAR IMMEDIATELY AFTER ALL NECESSARY VEHICULAR CLEARANCES HAVE BEEN PROVIDED.

HOLD

- 2. RAILROAD PREEMPTION WILL TERMINATE ACTIVE PEDESTRIAN PHASES IMMEDIATELY. PEDESTRIAN CLEARANCES WILL BE ABBREVIATED.
- 3. THE RAILROAD PREEMPTION SEQUENCE OF OPERATION SHALL HAVE PRIORITY OVER ALL OTHER SEQUENCES OF OPERATION.

USER NAME = \$USER\$ DESIGNED - MRF REVISED SECTION COUNTY RAILROAD PREEMPTION SEQUENCE OF OPERATION SHEETS NO. STATE OF ILLINOIS DRAWN - MRF \$FILEL\$ REVISED 765 D6 2015-4 HSRR MACOUPIN MAIN STREET (IL RTE 108) AND ALTON RD./CHILES ST. CHECKED - MJL REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 72H80 SCALE: NTS SHEET 3 OF 3 SHEETS STA. PLOT DATE = \$DATE\$ DATE - 10-23-15 REVISED



672H80-sht-details.dgn 10/23/2015 12:00:34 PM