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- 10 RAILROAD PREEMPTION SEQUENCE OF OPERATIONS
- 11 VIDED VEHICLE DETECTION SYSTEM INSTALLATION DETAILS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
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
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
857006-01	SUPERVISED RAILROAD INTERCONNECT CIRCUIT
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING

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. SPRINT (FO)

GENERAL NOTES

- 2, AT&T (T) (FO)
- 3. AMEREN (G) 4. CASS CABLE TELEVISION/GREENE COUNTY PARTNERS (T)
- 5. VILLAGE OF SHERMAN (S)
- 6. WILLIAMVILLE WATER AND SEWER (W)
- 7, FRONTIER COMMUNICATIONS (FO)

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 ITEMS 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 REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE CROUND 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 "UNDERGROUND CONDUIT, PVC, 2" DIA.".

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 HIGHWAY 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 IDDT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE "TRAFFIC CONTROL AND PROTECTION" PAY ITEMS. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL SIGNS AS REQUIRED BY THE ENGINEER, THE COST OF WHICH WILL ALSO BE INCLUDED IN THE "TRAFFIC CONTROL AND PROTECTION" PAY ITEMS.

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.

EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE. NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS.

GENERAL NOTES

BENCHMARKS FOR THE PROJECT ARE DESCRIBED IN THE PLANS AND ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). ALL COORDINATES REFERENCED IN THE PLAN DRAWINGS AND ALL CONTROL COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 83 / 2011 ADJ.

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NONE. October 19, 2015

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D672096-sht-gennete,dgh		DRAWN ~	ZGJ	REVISED -	STATE OF ILLINOIS		NOTES		00141	AITANCRITC		8086	D6 2015-2 HSRR	SANGAMON	1 11	2	<i>i</i>
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	PLOT DATE = 12/14/2015	DATE -	12/14/2015	REVISED -		SCALE: NTS SHEE	ET 1 OF	F 1	SHEETS	STA,	TO STA.		ILLINOIS FED	AID PROJECT			

DISTRICT SIX
HED November 5th 20 15
TIONS ENGINEER
NED November 4 20 15
ECT IMPLEMENTATION ENGINEER
NED November 9 2015
RAM DEVELOPMENT ENGINEER

SUMMARY OF QUANTITIES

					SUMMARY OF QUANTITIES			CONST. CODE
							URBAN	TRAFFIC SIGNALS 294281X
								100% HSR
			CODE				TOTAL	100% FED
			NO.		ITEM	UNIT	QUANTITY	0021
			67100100	MOBILIZATION		LSUM	1	1
			70102620	TRAFFIC CONTROL AND PROT	IECTION. STANDARD 701501	L SUM	1	1
							-	
			70102635	TRAFFIC CONTROL AND PROT	TECTION, STANDARD 701701	LSUM	1	94-14
								-
			81028350	UNDERGROUND CONDUIT, PVC	C, 2" DIA.	FOOT	324	324
			81400100		· · · · · · · · · · · · · · · · · · ·	CACU		1
			01400100			EACH	I	1
			85000200	MAINTENANCE OF EXISTING	TRAFFIC SIGNAL INSTALLATION	EACH	1	1
			85400100	TRANSCEIVER - EIRER OPTI	(f	EACH	1	1
			00,00100			L'ACH		1
			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
			87301290	ELECTRIC CABLE IN CONDUI	IT, SIGNAL NO. 18 3C	FOOT	1,083	1,083
			87301750	ELECTRIC CABLE IN CONDUL	IT, RAILROAD, NO. 14 3C	FOOT	588	588
				· · · · · · · · · · · · · · · · · · ·			<u>.</u>	
			87701000					COO
			87301900		II. EUDIPMENT GROUNDING CONDUCTOR, NO. 8 IC	F001	603	603
			87900200	DRILL EXISTING HANDHOLE		EACH	1	1
			89502215	MODIFY EXISTING CONTROLL	ER FOUNDATION	EACH	1	1
							*	
			89502375	REMOVE EXISTING TRAFFIC	SIGNAL EQUIPMENT	EACH	1	1
			89502300	REMOVE ELECTRIC CABLE FR	ROM CONDUIT	FOOT	1.083	1.083
				****		1		
			¥070305.					<u> </u>
			x0323071	SPAKE FULL ACTUATED CONT	MULLER, SPEUIAL	LACH	1	1
			X8571315	RAILROAD, FULL-ACTUATED	CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1	1
					· · · · · · · · · · · · · · · · · · ·	1	·····	
			X8620200	UNINTERRUPTARIE ROWER SI		БУСН	1	1
							1	1
				,	·····	ļ		
			×8600105	MASTER CONTROLLER (SPECI	(AL)	EACH	1	1
				·····				
			×8950105	REMOVE EXISTING TRAFFIC	CONTROLLER AND CABINET	EACH	1	1
		1	L			1		J
		* *	★ =SPECIAL	TY ITEM				
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w/2048-entr500.dgm	PLOT SCALE + 40.0000 17 in.	CHECKED	- 26J - MJL -	REVISED -	DEPARTMENT OF TRANSPORTATION		ANDREW ROA	AD AND SHERMAN
	PLOT DATE + 12/14/2015	DATE	- 12/14/2015	REVISED -		SCALE: NTS	SHEET I	DF 2 SHEETS STA.

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AN BOULEVARD		ILLINDIS FED. AID	CONTRACT NO.	72696	
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		SUMMARY OF QUANTITIES			CONST. CODE
				112201	TRAFFIC SIGNALS 294281X
			T	UNDAN	100% HSR
	CODE			TOTAL	1001. FED
	<u>NO.</u>	ITEM	UNIT	QUANTITY	0021
	Z0033072	VIDEO VEHICLE DETECTION SYSTEM	EACH	1	1
	Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	4	4
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
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ITIES N BOULEVARD	F.A.P. RTE. SECTION 8086 D6 2015-2 NSRR	COUNTY TOTAL SHEET SHEETS NO. SANGANON 11 4

ALIGNMENT COORDINATES - SHERMAN BLVD (BUS. 55)							
	STATION	N	E				
PC	263+77.90	1175809.4497	2454470.5285				
ΡI	269+86.84	1176321.3523	2454800.3184				
ΡT	275+94.64	1176795.6419	2455182.2280				
POT	284+41.48	1177455.2226	2455713.3386				

ALIGNMENT COORDINATES - FIRST ST									
	STATION	N	E						
POT	2+00.00	1176385.9988	2455430.2047						
PC	2+57.71	1176433.9952	2455462.2476						
ΡI	2+94.50	1176464.5919	2455482.6743						
PT	3+30.91	1176499.2683	2455494.9609						
ΡI	3+60.45	1176527.1091	2455504.8256						

	ALIGNMENT C	OORDINATES - NO	ORTH ST
	STATION	N	E
POT	50+00.00	1176366.2133	2455789.8627
PC	51+56.37	1176453.1628	2455659.8974
PI	51+91.66	1176472.7879	2455630.5633
PT	52+23.95	1176506.8052	2455621.1579
ΡI	52+45.93	1176527.9873	2455615.3013

	ALIGNMENT CO	DORDINATES - AN	DREW RD
	STATION	N	E
POT	8+00.00	1176500.3833	2453846.8886
PI	19+54.34	1176523.1040	2455001.0088
PC	27+93.40	1176529.7738	2455840.0368
PI	29+00.98	1176530.6290	2455947.6185
PT	30+06.64	1176496.7753	2456049.7386
	ALIGNMENT CO	ORDINATES - PAF	KWAY DR
	STATION	N	E
POT	298+75.00	1176382.4581	2454207.4484
PI	300+00.00	1176507.4420	2454205.4446

	ALIGNMENT COORDINATES - ILLINI BLVD												
	STATION	N	E										
PI	100+00.00	1176516.2763	2454654.1903										
POT	101+40.82	1176657.0793	2454652.1301										

-- POT STA 8+00.00



FILE NAME =	USER NAME = matthew_letourneau	DESIGNED – JAC	REVISED -		
D672G96-sht-ATB-01.dgn		DRAWN - JTC	REVISED -	STATE OF ILLINOIS	ALIGNMENT, TIES, &
	PLOT SCALE = 200.0000 ' / in.	CHECKED – JAC	REVISED -	DEPARTMENT OF TRANSPORTATION	
	PLOT DATE = 12/14/2015	DATE - 12/14/2015	REVISED -		SCALE: 1'' = 100' SHEET 1 OF 2 SHEET

<u>Curve data</u>		
ANDREW RD	FIRST ST	NORTH ST
PI STA = 19+54,34 L = 179° 19' 40'' (RT) NO CURVE) PD CURVE V81ANDR1	PR CURVE X811STP1 PI STA = 2+94.50 Δ = 14° 13' Ο1'' (LT) D = 19° 25' 20''	PR CURVE X81NORCNP1 PI STA = 51+91.66 Δ = 40° 45' 40'' (RT) D = 60° 18' 41''
PI STA = 29+00.98 Δ = 18° 47' 47'' (RT) D = 8° 48' 53'' R = 650.00' T = 107.59' \perp = 213.24' E = 8.84' = = 6.0%	R = 295.00' T = 36.79' L = 73.20' E = 2.29' e = NC PC STA = 2+57.71 PT STA = 3+30.91	R = 95.00' T = 35.29' L = 67.58' E = 6.34' e = NC PC STA = 51+56.37 PT STA = 52+23.95
TR = 25' SE RUN = 97' BEGIN SE TRANSITION STA 27+02 WATCH EXISTING SE STA 27+83 SEE CROSS SECTIONS PC STA = 27+93.40 PT STA = 30+06.64		
	F.A.P. SECTION	COUNTY TOTAL SHEET
BENCHMARKS	8086 D6 2015-2 HSRR	SANGAMON 11 5
		CONTRACT NO. 72G96
S STA. TO STA.	ILLINOIS FEE	. AID PROJECT

- PC STA 27+93.40 - PT STA 30+06.64 430

POT STA 284+41.48

MATCH EXISTING SE STA 277+01

PC STA = 263+77.90 PT STA = 275+94.64

CPT Q4





CONTROL POINT Q1

SET MAG NAIL IN BIT APRON (500'± W OF SHERMAN BLVD)

STA 14+08.22, 17.20' RT N 1176495.161 E 2454455.327 ELEV 583.250

CONTROL POINT Q2

SET IRON PIN (600'± S OF ANDREW RD)

STA 266+56.54, 71.33' RT N 1176001.767 E 2454683.267 ELEV 580.460

CONTROL POINT Q3

SET MAG NAIL IN PAVEMENT

STA 20+20.37, 24.37' LT N 1176547.995 E 2455066.836 ELEV 579.720

SET MAG NAIL IN PAVEMENT (900'± N OF ANDREW RD) STA 281+30.08, 3.44' LT N 1177214.842 E 2455515.356

ELEV 577.900

STA 24+66.86, 26.37' LT N 1176553.546 E 2455513.298 ELEV 577.670

FILE NAME =	USER NAME = matthew_letourneau	DESIGNED -	JAC	REVISED -				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEE SHEETS NO.	
D672G96-sht-ATB-02.dgn		DRAWN -	JTC	REVISED -	STATE OF ILLINOIS	STATE OF ILLINOIS ALIGNMENT, HES, & BENCHMARKS						
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	JAC	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRACT	NO. 72G96
	PLOT DATE = 12/14/2015	DATE -	12/14/2015	REVISED -		SCALE: NTS	SHEET 2 OF 2 SHEETS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT	

CONTROL POINT Q5

SET IRON PIN (100'± E OF RR TRACKS)

CONTROL POINT Q6

SET MAG NAIL IN BIT SHLD (350'± E OF RR TRACKS)

STA 27+37.83, 15.88' RT N 1176513.453 E 2455784.593 ELEV 573.310

BENCHMARK

- BM *01- CHISELED "+" IN E BOLT OF FIRE HYDRANT, SE OUAD OF ANDREW RD & NORTH ST STA 51+97, 29' RT EL 577.99
- BM ■02- CHISELED "□" SE CORNER OF CONCRETE BASE FOR TRAFFIC SIGNAL (W/O MAST ARM) STA 272+22, 47′ RT EL 580.33

BM *03- TOP OF BOLT ON FH BETWEEN "E" & "L" OF MUELLER STA 13+93, 52' LT EL 585.13



12/14/2015

IFICATION PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		8086 D6 2015-2 HSRR		SANGAMON	11	7	
		BOOLEVAILD			CONTRACT	NO. 7	2696
5	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		
-							



CABLE DIAGR	AM	LEGEND
OF CONDUCTORS (EXISTING) EXCEPT AS INDICATED		GROUND ROD AT POST (P), MAST ARM (MA), CONTROLLER (C), HANDHOLE (HH), DOUBLE
TION, POLE MTD.		HANDHOLE (DHH) OR SERVICE INSTALLATION (S)
LLER AND CABINET	 	SIGNAL SECTION, 12"
RRUPTIBLE POWER SUPPLY	= = 	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC
DAD CONTROL CABINET	ار را ا	
CONDUIT, NO. 6	V	PROPOSED VIDEO VEHICLE DETECTION SYSTEM

L SUR ROL AND PROTECTION, STANDARD 701501 ROL AND PROTECTION, STANDARD 701701 L SUR CONDUIT, PVC, 2" DIA. FOOT FIBER OPTIC FIBER OPTIC E IN CONDUIT, SIGNAL NO. 18 3C F IN CONDUIT, RAILROAD, NO. 14 3C F IN CONDUIT, FOULPMENT GROUNDING CONDUCTOR, NO. 6 10 F IN CONDUIT, FOULPMENT GROUNDING CONDUCTOR, NO. 6 10	M 1 M 1
ROL AND PROTECTION, STANDARD 701501 L SUI ROL AND PROTECTION, STANDARD 701701 L SUI CONDUIT, PVC, 2" DIA. FOOT OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH - FIBER OPTIC EACH LE IN CONDUIT, SIGNAL NO. 18 3C FOOT LE IN CONDUIT, RAILROAD, NO. 14 3C FOOT F IN CONDUIT, FOULPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT	<u>и 1</u>
ROL AND PROTECTION, STANDARD 701701 L SUI CONDUIT, PVC, 2" DIA. FOOT EACH EACH OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH - FIBER OPTIC EACH LE IN CONDUIT, SIGNAL NO. 18 3C FOOT LE IN CONDUIT, RAILROAD, NO. 14 3C FOOT F IN CONDUIT, FOULPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT	•• •
CONDUIT, PVC, 2" DIA. FOOT EACH EACH OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH - FIBER OPTIC EACH LE IN CONDUIT, SIGNAL NO. 18 3C FOOT LE IN CONDUIT, RAILROAD, NO. 14 3C FOOT F IN CONDUIT, FOULPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT	v 1
EACH OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH - FIBER OPTIC EACH LE IN CONDUIT, SIGNAL NO. 18 3C FOOT LE IN CONDUIT, RAILROAD, NO. 14 3C FOOT F IN CONDUIT, FOUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT	324
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- FIBER OPTIC EACH E IN CONDUIT, SIGNAL NO. 18 3C FOOT LE IN CONDUIT, RAILROAD, NO. 14 3C FOOT F IN CONDUIT, FOUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT	1
LE IN CONDUIT, SIGNAL NO. 18 3C FOOT LE IN CONDUIT, RAILROAD, NO. 14 3C FOOT F IN CONDUIT, FOUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT	1
LE IN CONDUIT, RAILROAD, NO. 14 3C FOOT F IN CONDUIT, FOUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT	1,083
E IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT	588
	609
G HANDHOLE EACH	1
ING CONTROLLER FOUNDATION EACH	1
ING TRAFFIC SIGNAL EQUIPMENT EACH	1
RIC CABLE FROM CONDUIT FOOT	1,083
CTUATED CONTROLLER, SPECIAL EACH	1
L-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL EACH	1
BLE POWER SUPPLY, SPECIAL EACH	1
ROLLER (SPECIAL) EACH	1
ING TRAFFIC CONTROLLER AND CABINET EACH	1
E DETECTION SYSTEM EACH	1
TING ASSEMBLY EACH	4
TECTIVE LIABILITY INSURANCE	

1. CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II,

THE TRAFFIC SIGNAL CONTROLLER SHALL HAVE REMOTE MONITORING CAPABILITES INCLUDING ALL NECESSARY PERIPHERAL HARDWARE SUCH AS A PHONE MODEM, ETC. TO ALLOW FOR BOTH REMOTE DIAL-IN ACCESS AND AUTOMATIC CONTROLLER DIAL-OUTREPORTING OF ALARMS. THE COST OF THE NECESSARY ADDITIONAL HARDWARE SHALL BE INCIDENTAL TO THE UNIT PRICE FOR "RAILROAD, FULL-

SIGNAL CONTROLLER REPLACEMENT AND CABINET FOUNDATION MODIFICATION.

F.A.P. RTE.	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
8086	D6 2015	-2 HSRF	2	SANGAMON	11	8
_				CONTRACT	NO. 7	2696
		ILLINOIS	FED. A	ID PROJECT		
	F.A.P. RTE. 8086	F.A.P. SEC RTE. 06 2015	F.A.P. SECTION RTE. SECTION 8086 D6 2015-2 HSRF ILLINOIS	F.A.P. RTE. 8086 D6 2015-2 HSRR	F.A.P. RTE. SECTION COUNTY 8086 D6 2015-2 HSRR SANGAMON	F.A.P. RTE. SECTION COUNTY TOTAL SHEETS 8086 D6 2015-2 HSRR SANGAMON 11

SEQUENCE OF OPERATION

MOVEMENT PHASE	I } 				1 $\begin{pmatrix} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$					-	A 6	1)/ 5 2 2 + 5	/_		-	A 6	/-		3		4	A ////////////////////////////////////		FLA
INTERVAL		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	Ĥ
CHANGE TO			2 -	+ 6	1 -	+ 6	2 -	+ 5		2 ·	+ 6	2 + 3 C	-5, R4		2 +	- 6	1 + 3 0	-6, R4		30	R 4		4, 1+5 2+6 0	, 1+6, R 2+5		3, 1+5 2+6 0	, 1+6, R 2+5	
SHERMAN BOULEVARD LEFT END MAST ARM AND FAR LEFT SIGNALS	N/B	R _G	R _Y	R	R _Y	R	R _G	R _G	R	R	R	R	R	GG	G _Y	G	Y _Y	R	G	Y	R	R	R	R	R	R	R	R
SHERMAN BOULEVARD MID MAST ARM, FAR RIGHT, AND NEAR SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R
SHERMAN BOULEVARD LEFT END MAST ARM AND FAR LEFT SIGNALS	S/B	R _G	R _Y	R	R _G	R _G	R _Y	R	G _G	GY	G	Y _Y ◀	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R
SHERMAN BOULEVARD MID MAST ARM SIGNAL	S/B	R	R	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R
SHERMAN BOULEVARD FAR RIGHT AND NEAR RIGHT SIGNALS	S/B	R	R	R	R	R	R	R	GG	GY	G	Y _Y	R	R	R	R	R	R	G	Y	R	R	R	R	R _G	R _Y	R	R
ANDREW ROAD LEFT 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	^G G	Y	R	R
ANDREW ROAD FAR RIGHT AND NEAR RIGHT 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	G	Y	R	R
ANDREW ROAD LEFT END MAST ARM AND FAR LEFT SIGNALS	W∕B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	GG	Y	R	R	R	R	R
ANDREW ROAD FAR RIGHT AND NEAR RIGHT SIGNALS	W∕B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R

PHASES 2+6 SHALL BE PLACED ON RECALL.

FILE NAME =	USER NAME = matthew_letourneau	DESIGNED - ZGJ	REVISED -		SEQUENCE OF OPERATION	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
D672G96-sht-ts3.dgn		DRAWN - ZGJ	REVISED -	STATE OF ILLINOIS		8086	D6 2015-2 HSRR	SANGAMON	11	9
	PLOT SCALE = 100.0002 '/ in.	CHECKED - MJL	REVISED -	DEPARTMENT OF TRANSPORTATION	ANDREW RUAD AND SHERIMAN BUULEVARD			CONTRACT	T NO.	72696
	PLOT DATE = 12/14/2015	DATE - 12/14/2015	REVISED -		SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.		ILLINOIS FED. A	AID PROJECT		

RAILROAD PREEMPTION SEQUENCE OF OPERATION

													PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		8		13		18		21	24						
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1 A	1B	1C	1D	1G	1H	1E	1F	1G	1H	1J	2	3	4	5	CLEAR TO
		1B	2	1D	2	1H	2	1F	2	2	1J	2	3	4	5		SEQUENCE
SHERMAN BOULEVARD LEFT END MAST ARM AND FAR LEFT SIGNALS	N/B	R _Y	R	R	R	Y ▼Y	R	Y	R	R	R	R	R	R	R	G	
SHERMAN BOULEVARD MID MAST ARM, FAR RIGHT, AND NEAR SIGNALS	N/B	R	R	R	R	Y	R	Y	R	R	R	R	R	R	R	G	\triangle
SHERMAN BOULEVARD LEFT END MAST ARM AND FAR LEFT SIGNALS	S/B	R _Y	R	Y _Y	R	R	R	Y	R	R	R	R	R	R	R	G	\bigtriangleup
SHERMAN BOULEVARD MID MAST ARM SIGNAL	S/B	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	G	Δ
SHERMAN BOULEVARD FAR RIGHT AND NEAR RIGHT SIGNALS	S/B	R	R	Y _Y ►	R	R	R	Y	R	R	RY	R	R	R	R	G	\bigtriangleup
ANDREW ROAD LEFT MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	
ANDREW ROAD FAR RIGHT AND NEAR RIGHT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ
ANDREW ROAD LEFT END MAST ARM AND FAR LEFT SIGNALS	W∕B	R	R	R	R	R	R	R	R	G _G	R	R	GG	Y	R	R	Δ
ANDREW ROAD FAR RIGHT AND NEAR RIGHT SIGNALS	W∕B	R	R	R	R	R	R	R	R	G	R	R	G	Y	R	R	Δ
																HOLD	

NOTES:

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

 \bigtriangleup railroad preemption sequence shall provide the proper clearance interval to resume the normal sequence of operation after railroad interval 5 is terminated.

2. THE RAILROAD PREEMPTION SEQUENCE OF OPERATION SHALL HAVE PRIORITY OVER ALL OTHER SEQUENCES OF OPERATION.

FILE NAME =	USER NAME = matthew_letourneau	DESIGNED -	ZGJ	REVISED -		BA	ILROAD PREEMPTION SEQUENCE OF OPERATION	F.A.P. RTE,	SECTION	COUNTY TOTAL SHEET SHEETS NO.
D672696-sht-ts4.dgn		DRAWN -	ZGJ	REVISED -	STATE OF ILLINOIS		ANDREW ROAD AND SHERMAN ROULEVARD	8086	D6 2015-2 HSRR	SANGAMON 11 10
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	MJL	REVISED -	DEPARTMENT OF TRANSPORTATION		ANDIEW NORD AND SHEINNAN DOOLEVAND			CONTRACT NO. 72G96
	PLOT DATE = 12/14/2015	DATE -	12/14/2015	REVISED -		SCALE: NTS	SHEET 4 OF 5 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT



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-11	INSTALLATIO	DETAILS	8086	D6 2015	-2 HSRI	2		SANGAMON	11		
								CONTRACT	NO.	72	269
S	STA.	TO STA.			ILLINOIS	FED. A	ID	PROJECT			