# GENERAL NOTE

880006~01

/N (877011-05

TRAFFIC SIGNAL MOUNTING DETAIL

### GENERAL NOTES

- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSES OR OTHERWISE REFERENCED THEIR LOCATION.
- (2) THE NOMINAL THICKNESS FOR BASE AND SURFACE COURSES ARE SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES, OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEM SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
- (3) THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATION OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- (4) ANY REFERENCE TO A STANDARD IN THE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION. AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS.
- (5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCED NOTICE IS REQUIRED. ANY DAMAGE TO THE UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT
- (6) THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER. ENGINEER, CONTRACTOR OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, REROUTING, DISCONNECTION, PROTECTION, ...ETC OF ANY UTILITIES MUST BE COORDINATED BETWEEN CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDOUS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- (7) THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE:

LOCATION(S):	US 24/1L 96	US 24/IL 96	US 24/1L96	US 24/IL96	US 24/1L 96
MIXTURE USE(S):	HMA CONC SURF CSE	PATCHING	HMA BASE CSE 11"	HMA BASE CSE WID 11"	HMA SHOULDERS 6.5"
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS	4.0 p N design = 70	4.0 e N design = 70	4.0 0 N design = 70	4.0 0 N design = 70	2.0 c N design = 30
MIXTURE COMPOSITION (Gradation Mixture)	IL 9.5 OR 12.5	IL 19.0	IL 19.0	IL 19.0	BAM MIX (Other)
FRICTION AGGREGATE	MIX "D"	N/A	N/A	N/A	N/A

US 24/IL 96	Side Rds. & Entr.			
LEV BIND	INCIDENTAL HMA SURF			
PG 64-22	PG 64-22			
4.0 e N design = 70	4.0 o N design = 50			
IL 9.5	IL 9.5 OR 12.5			
N/A	MIX "C"			

- (3) IN ADDITION TO FIELD AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- (9) THE EXACT LOCATIONS AND SIZES OF PAVEMENT PATCHES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

# RATES OF APPLICATION TABLES

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.

BITUMINOUS MATERIALS (PRIME COAT): 0.00038 TON / SO YD (ON PAVEMENT) 0.001425 TON / SO YD (ON AGGREGATE)

AGGREGATE MATERIALS (PRIME COAT): 0.002 TON / SO YD HMA SURFACE MIX D / BINDER (112 LBS): 0.056 TON / SO YD . In AGGREGATE MATERIALS: 2.05 TON / CU YD

### COMMITMENTS

THE RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS CONCERNING ANY MAJOR PLAN CHANGE. TO MAKE SURE NO PREVIOUS COMMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.

#### INDEX OF SHEETS

COVER SHEET INDEX OF SHEETS, LISTS OF STANDARDS, GENERAL NOTES AND COMMITMENTS SUMMARY OF QUANTITIES (II) SCHEDULE OF QUANTITIES (25) 39 - 53 TYPICAL SECTIONS (15) CROSS-TIES AND BENCH MARKS 54 55 - 83 PLAN AND PROFILE SHEETS (29) 84 - 101 STORM WATER AND POLLUTION AND PREVENTION PLAN (18) 102 - 107 DRAINAGE DETAILS (6) 108 - 119 PAVEMENT ELEVATION DETAILS (12) 120 - 133 PAVEMENT MARKING DETAILS (14) 134 - 136 TRAFFIC SIGNAL PLANS (3) 137 - 138 SUPERELEVATION DETAILS (2) 139 - 140 ENTRANCE AND SIDEROAD DETAILS (2) CONCRETE COLLAR AND CULVERT EXTENSION DETAILS MISCELLANEOUS DETAILS

143 - 198 CROSS-SECTION SHEETS (56)

# STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C & D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-04	GRATING FOR CONCRETE FLARED END SECTION (FOR 24" THRU 54" PIPE)
602301-03	INLET - TYPE A
602306-03	INLET - TYPE B
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604011-04	FRAME AND GRATE TYPE 3V
604036-02	GRATE TYPE 8
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
635011-02	REFLECTOR MARKER AND MOUNTING DETAIL
701101-03	OFF ROAD MOVING OPERATIONS MULTILANE 15' TO 24' FROM PAVEMENT EDGE (SHOULDER WORK)
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH (INTRSCTN)
701306-03	LANE CLOSURE, 2L. 2W. SLOW MOVING OPERATIONS ONLY. FOR SPEEDS \(\geq \) 45 MPH (INTRSCIN)
701326-04	LANE CLOSURE, 2L. 2W. PAVEMENT WIDENING, FOR SPEEDS > 45 MPH (WIDENING)
701421-05	LANE CLOSURE MULTILANE DAY OPERATIONS ONLY, FOR SPEEDS 2 45 MPH TO 55 MPH (PATCHING & HMA
701422-05	LANE CLOSURE MULTILANE. FOR SPEEDS 2 45 MPH TO 55 MPH (PATCHING & HMA RESURF)
701501-06	URBAN LANE CLOSURE, 2L. 2W. UNDIVIDED
701701-08	URBAN LANE CLOSURE MULTILANE INTERSECTION
	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKING
781001-03	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAYEMENT MARKINGS
805001-01	ELECTRIC SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
836001-02	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS
862001-01	UNINTERRUPTIBLE POWER SUPPLY
873001-02	TRAFFIC SIGNAL GROUNDING AND BOUNDING
877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS

STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16 THROUGH 55

DISTRICT SIX	
EXAMINED /2/5	20 /2
William in Bryon	
OPERATIONS ENGINEER	
EXAMINED DEC 10	20 <b>1Z</b>
PROJECT IMPLEMENTATION EN	IGINEER
EXAMINED Dec. 14	20 12
PROGRAM DEVELOPMENT ENG	INEER

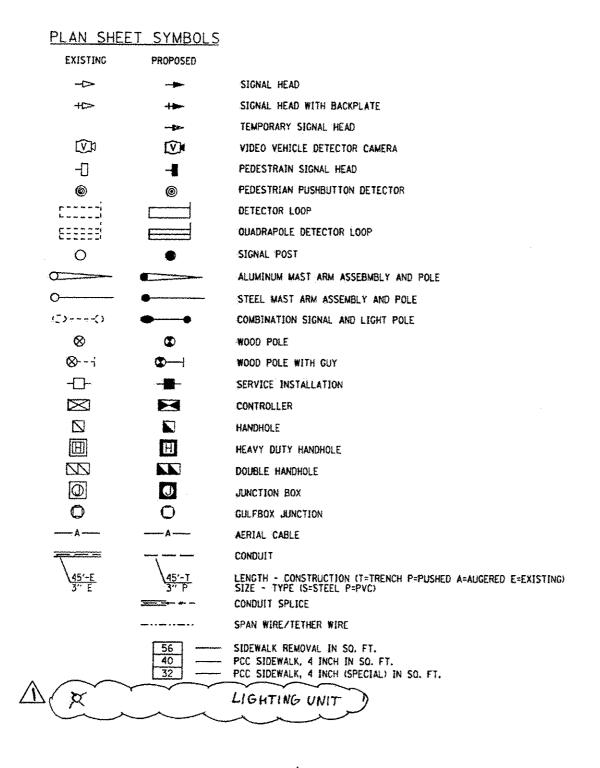
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İ		PLOT SCALE : 157.7861 ' / dm	CHECKED - RSC	REVISED -	DEPARTMENT OF TRANSPORTATION	
İ		PLOT BATE & Barris-2012 11/27/17AM	DATE -	REVISED -	1	SCALE:

	• FAP	63 (US 24); FAP 63 (US 2	4/IL 961 FAP	506 (1	. 961
INDEX OF SHEETS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	•	(1)N,TS-2RS-5&(78)RS-3	ADAMS	194	2
			CONTRACT	NO.	72E31
SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FEO. A	O PROJECT		

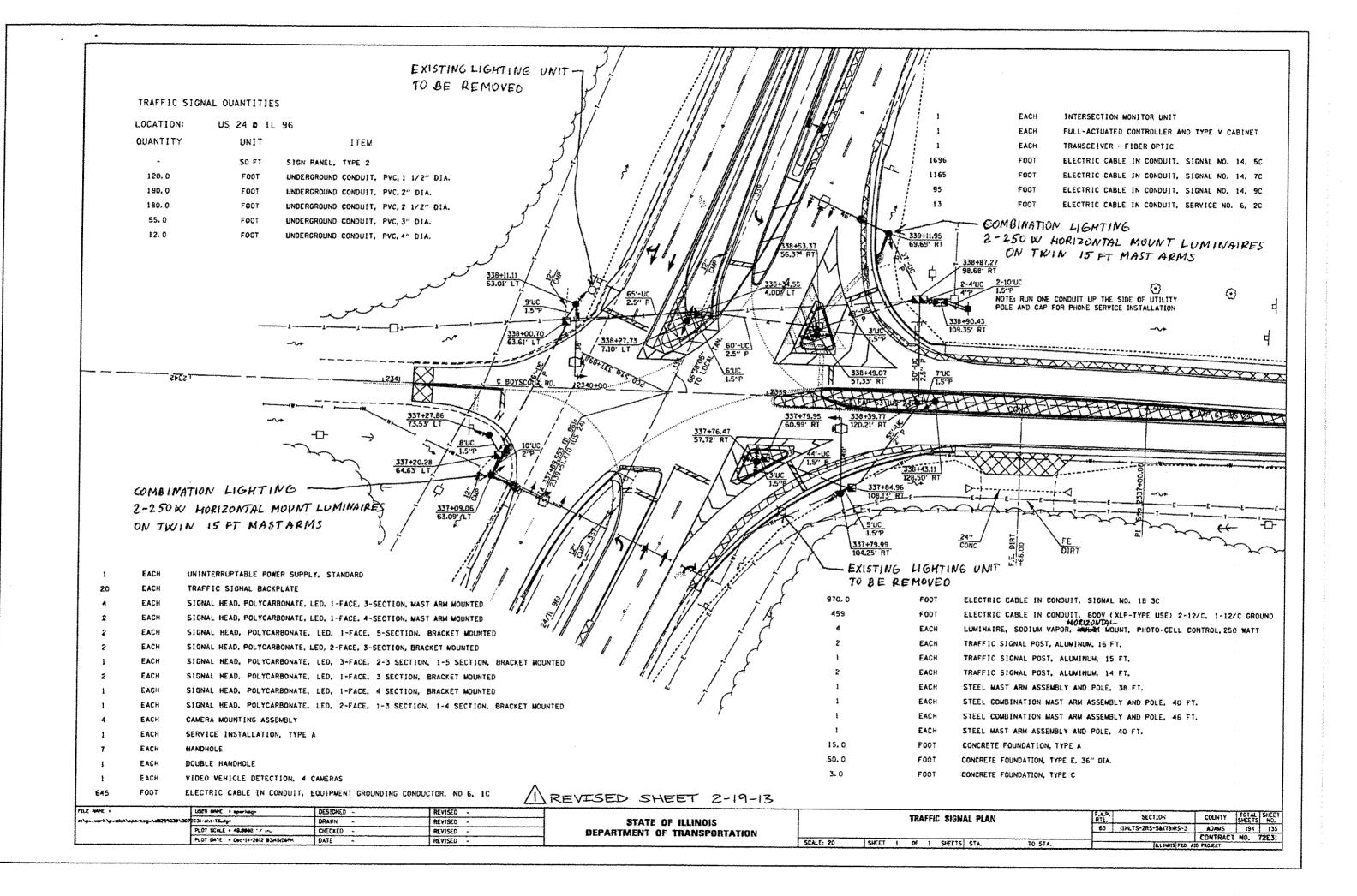
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E = USER NAME = cob- k\pwidat\cabraror*\d8259638\D872E3I-sht-soq.dgn PLOT SCALE < 393.		DESIGNED - JWC         REVISED -           DRAWN - JWC         REVISED -         STATE OF ILLINOIS           CHECKED - RSC         REVISED -         DEPARTMENT OF TRANSPOR	TATION		SUMMAR	Y OF QUANTITIES	F.A. RTE		
	14						15:	S 1	TOTAL
JREVISED 2-19-13	<b>*</b> 87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	95			95		
	* 87301255	ELECTRIC CABLE IN CONDUIT. SIGNAL NO. 14 7C	FOOT	1, 165			1, 165		
	<b>*</b> 87301245	DECENTED CABLE IN CORDETT, STORAGE HOL 17 JU		1,000			1,000		
	w 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,696			1,696		
	<b>*</b> 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1					
	-								
	<b>*</b> 86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1			***************************************		
	* 85706000	INTERSECTION MONITOR UNIT	EACH	***			3		
		FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH			<del></del>			
*	f	REMOVAL OF LIGHTING UNIT, NO SALVAGE LUMINATRE, SODIAM VAPOR, MULTIMOUNT, PHOTO CELL CONTROL, 400 WA	EACH	2			- 4		
(	`	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	4			2		
$\wedge$		ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-12/C, 1-12/C GROUND	FOOT	459			459		
	* 81400300	DOUBLE HANDHOLE	EACH	1			1		
	* 81400100	HANDHOLE	EACH	7			7		
	<b>*</b> 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	12			12		
	* 81028370	UNDERGROUND CONDUIT, PVC. 3" DIA.	FOOT	55		=	55		
	<b>*</b> 81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	180			180		
	NO.	ITEM	UNIT	QUANTITY	RURAL	RURAL	RURAL		
	CODE	• • • • • • • • • • • • • • • • • • • •	and the state of t	TOTAL	0004	0005	0021		
				T	ROADWAY	ROADWAY	SAFETY		
					90% FEDERAL	90% FEDERAL 1:0% STATE	90% FEDERAL 10% STATE		
					С	ONSTRUCTION CO	DE		

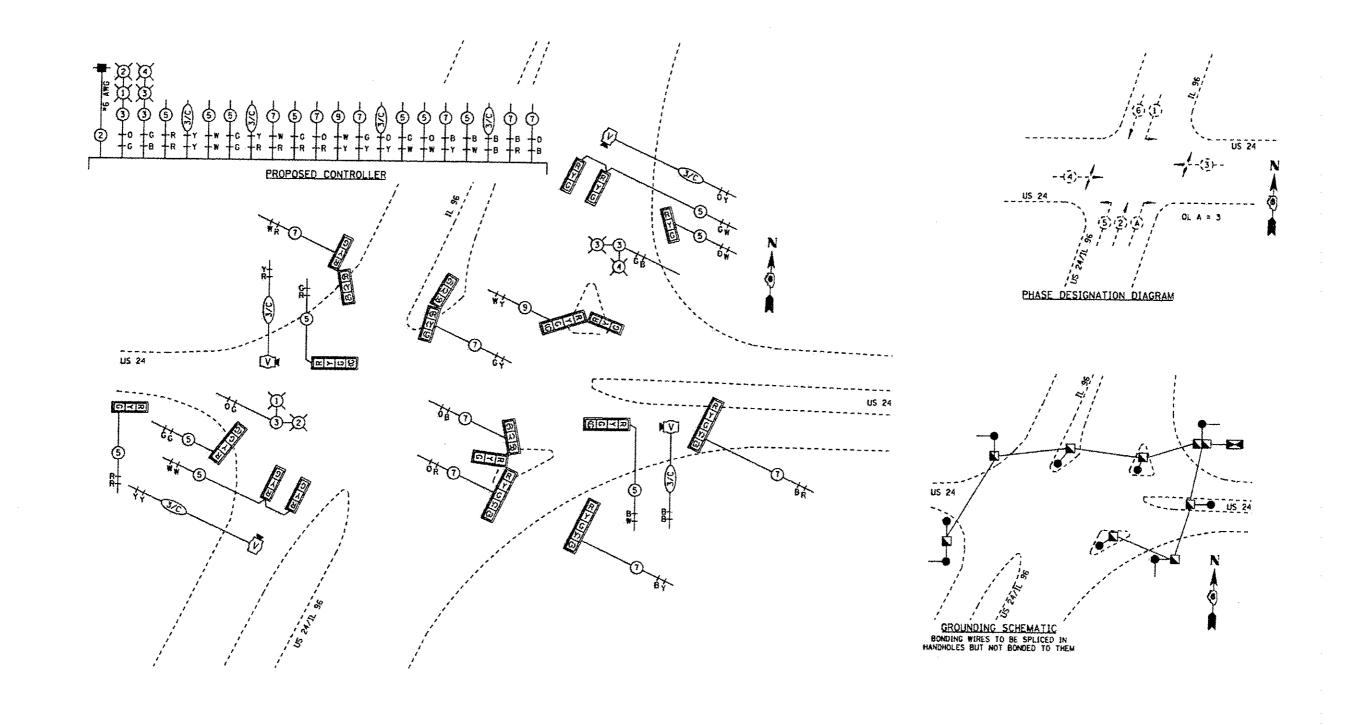


CABLE PLA	AN SYMBOLS	
EXISTING	PROPOSED	
(G)	G	8" SIGNAL SECTION
Î	F	12" SIGNAL SECTION
(~G	固	DIRECTIONAL SIGNAL SECTION
週回		9" PEDESTRIAN SIGNAL FACE
	BE	12" PEDESTRIAN SIGNAL FACE
	اهاجات	SIGNAL FACE WITH BACKPLATE
LR1+	E.	PROGRAMMED SIGNAL SECTION
12)	Œ	SIGNAL SECTION WITH LOUVRE
674 62.1	32	DUAL-INDICATION SIGNAL SECTION
111111111111111111111111111111111111111		INDUCTION DETECTOR LOOP
61: 61: 61: 61: 61: 61: 61: 61: 61:		QUADRAPOLE DETECTOR LOOP
11110/4044	$\Longrightarrow$	DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
﴿قَرِّ	<del></del> 3	ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
	}5{	ELECTRIC CABLE TO BE REMOVED
<del>-</del> <del>1</del> <del>1</del> <del>-</del> -	BC	ELECTRIC CABLE INDENTIFIER TAPE CODES (R=RED W=WHITE Y=YELLOW G=GREEN B=BLUE O=ORANGE)
<b>©</b>	•	PEDESTRIAN PUSHBUTTON DETECTOR
N3~	<b>}</b>	VIDEO CAMERA
O		STEEL TWIN TENON
$\triangle$	(X)	250 W LUMINAIRE

$\Lambda$	
<b>AREVISED</b>	2-19-13

FILE MANE .	USER NAME & spenkege	DESIGNED -	REVISED -		Chippin Atomit apparen	CAP. SECTION COUNTY CONTROL SHEET
\$1\00/30000000000000000000000000000000000	PE3)-unt-TS.dign	DRAWN -	REVISED -	STATE OF ILLINOIS	TRAFFIC SIGNAL LEGEND	10000
	PLOT SCALE * 48.8800 17 IA	CHECKED -	REVISED ~	DEPARTMENT OF TRANSPORTATION		03   HWC12-CU2-28/10W2-3   WANS   134   134
	PLOT DATE = Dec-14-2012 834555PH	DATE -	REVISEO -		SCALE: 20 SHEET 1 OF 1 SHEET'S STA. TO STA.	CONTRACT NO. 72E31





A REVISED	SHEET	2-19-13
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SI\pw.work\pxsdo1\eperkegv\d#259636\	0672631-9hs-75.dg-1	DRAWN -	REVISED -	STATE OF ILLINOIS	PROPOSED CABLE PLAN	RIL SECTION COUNTY TOTAL SHEET
	PLOT SCALE * 48.8000 1/ IN	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		63 DH,TS-2RS-54/78/RS-3 ADAMS 194 136
<u> </u>	PLOT DATE + Dec-14-2912 #345/6/FM	DATE -	REVISED ~	The second secon	SCALE: 20 SHEET I OF S SHEETS STA TO STA	CONTRACT NO. 72E31
SCALE: 20 SHEET 1 OF 3 SHEETS STA. TO STA. JALMONS FED. AND PROJECT						