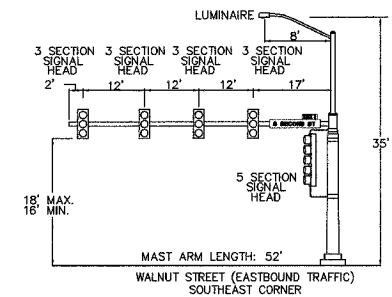
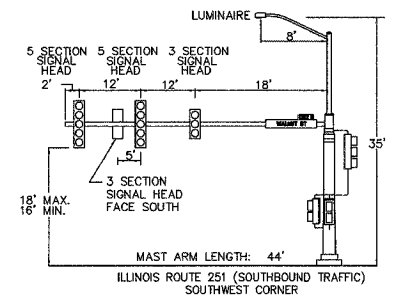
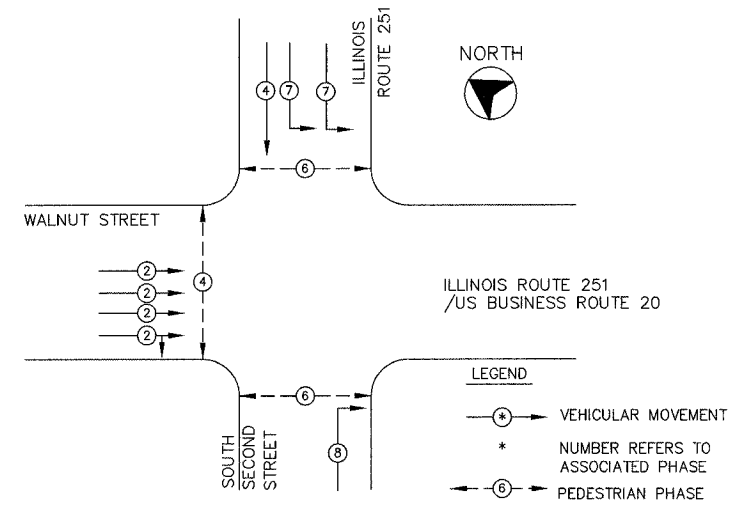


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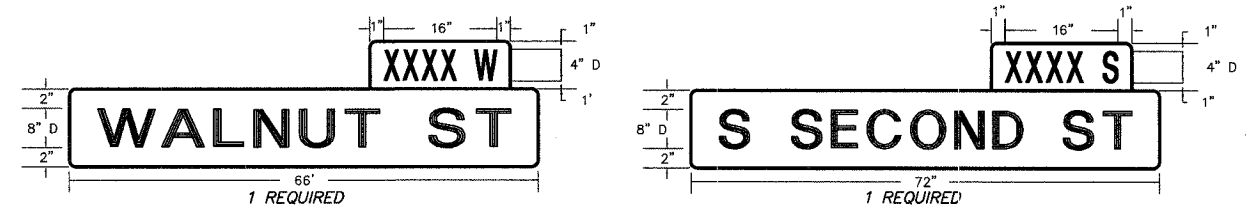
TRAFFIC SIGNAL SCHEDULE OF QUANTITIES WALNUT & 2ND STREET INTERSECTION

PAY ITEM	QUANTITY	UNIT
81012400	15	FOOT
81012500	12	FOOT
81012600	3	FOOT
81012700	69	FOOT
81030100	3	EACH
81400400	2	EACH
81500200	99	FOOT
81702100	691	FOOT
82103400	2	EACH
86300400	1	EACH
87300515	341	FOOT
87301225	438	FOOT
87301245	1763	FOOT
87301255	544	FOOT
87502440	1	EACH
87502480	2	EACH
87702950	1	EACH
87702955	1	EACH
87800100	6.2	FOOT
87800415	30	FOOT
88200100	8	EACH
88500500	1	EACH
88600100	97	FOOT
X8801300	3	EACH
X8801310	6	EACH
X8801395	1	EACH
X8801400	2	EACH
X8810395	2	EACH
X8810495	1	EACH
XX003167	2	EACH

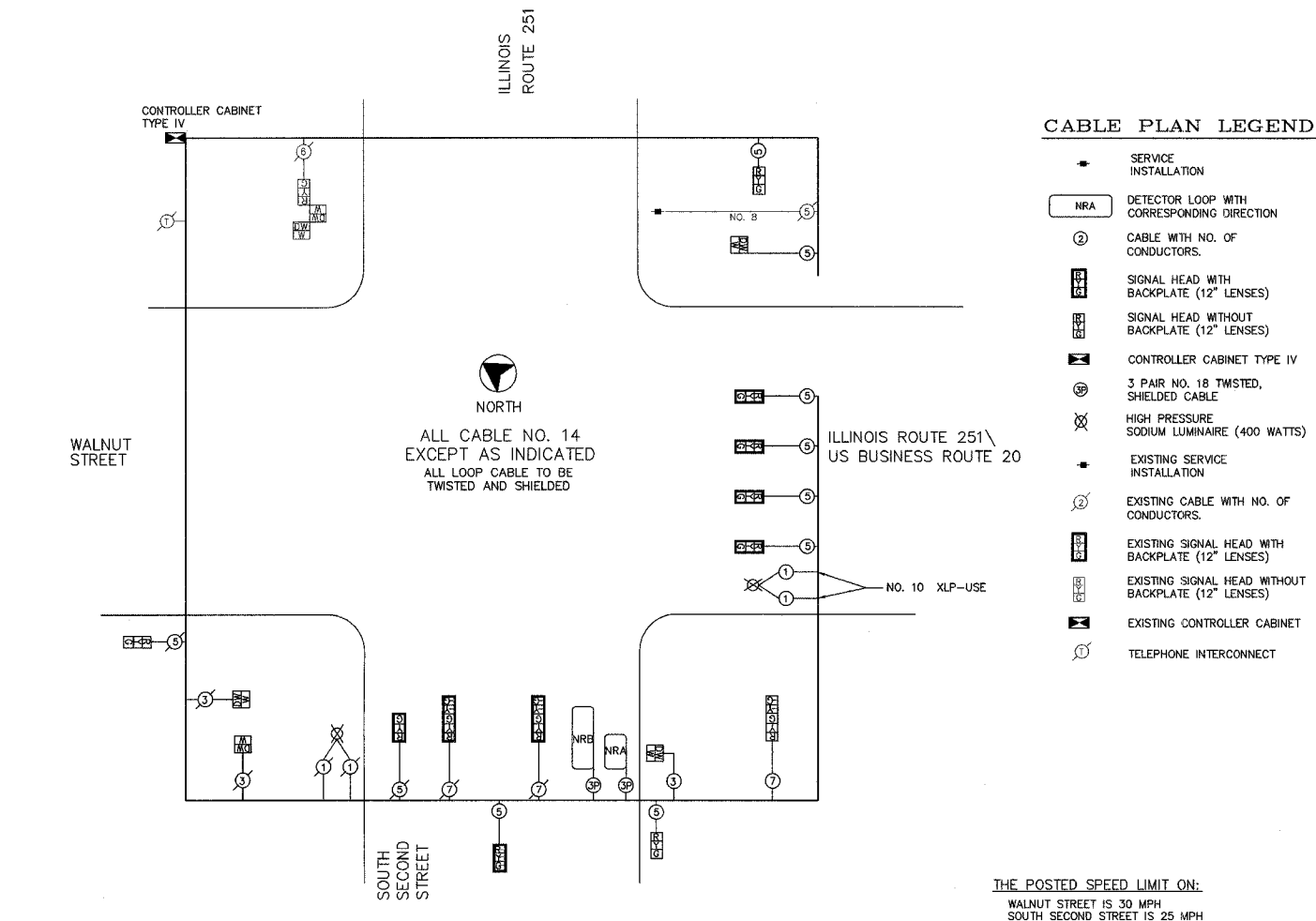


PHASE DESIGNATION DIAGRAM
 No Scale REFER TO IDOT STANDARD 857001

MAST ARM EQUIPMENT MOUNTING DETAIL
 No Scale



MAST ARM MOUNTED STREET NAME SIGNS
 No Scale SIGNS TO BE SUPPLIED BY THE CITY OF ROCKFORD REFER TO IDOT STANDARD 7200016
 BLOCK PLACARDS TO BE DETERMINED BY CITY TRAFFIC ENGINEER



- CABLE PLAN LEGEND**
- SERVICE INSTALLATION
 - NRA DETECTOR LOOP WITH CORRESPONDING DIRECTION
 - ② CABLE WITH NO. OF CONDUCTORS.
 - 12" SIGNAL HEAD WITH BACKPLATE (12" LENSES)
 - 12" SIGNAL HEAD WITHOUT BACKPLATE (12" LENSES)
 - CONTROLLER CABINET TYPE IV
 - 3 PAIR NO. 18 TWISTED, SHIELDED CABLE
 - ⊗ HIGH PRESSURE SODIUM LUMINAIRE (400 WATTS)
 - EXISTING SERVICE INSTALLATION
 - ② EXISTING CABLE WITH NO. OF CONDUCTORS.
 - 12" EXISTING SIGNAL HEAD WITH BACKPLATE (12" LENSES)
 - 12" EXISTING SIGNAL HEAD WITHOUT BACKPLATE (12" LENSES)
 - ☒ EXISTING CONTROLLER CABINET
 - ⊕ TELEPHONE INTERCONNECT

GENERAL NOTES

- ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION.
- ALL NEW CONSTRUCTION SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002 AND TO THE SPECIFICATIONS OF THE CITY OF ROCKFORD DEPARTMENT OF PUBLIC WORKS.
- ALL SIGNAL POST FOUNDATIONS SHALL BE IDOT TYPE "A" FOUNDATIONS. ALL MAST ARM FOUNDATIONS SHALL BE IDOT TYPE "E" FOUNDATIONS AT A DEPTH IN ACCORDANCE WITH STANDARD 878001. ALL MAST ARMS SHALL HAVE A 35' LUMINAIRE MOUNTING HEIGHT. MATERIAL TYPES SHALL BE AS FOLLOWS: MAST ARM ASSEMBLIES SHALL BE STEEL, SIGNAL POSTS SHALL BE GALVANIZED STEEL, SIGNAL HEADS SHALL BE POLYCARBONATE, BRACKET MOUNTED OR MAST ARM MOUNTED. ALL TRAFFIC SIGNAL EQUIPMENT IS TO BE SPUN ALUMINUM OR GALVANIZED FINISH EXCEPT FOR THE SIGNAL HEADS.
- EACH DETECTOR LOOP SHALL HAVE AN INDIVIDUAL STUB (CONDUIT). THE DETECTOR LOOP CABLE FROM THE END OF THE SAWCUT TO THE SPLICE IN THE HANDHOLE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE DETECTOR LOOP.
- MAST ARM MOUNTED STREET NAME SIGNS SHALL BE CREATED AS SHOWN AND MOUNTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. SIGNS SHALL BE SUPPLIED BY THE CITY OF ROCKFORD AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH CITY REQUIREMENTS.
- WRING FOR LUMINAIRE SHALL CONSIST OF TWO 600V (XLP-TYPE USE) 1/C NO. 10 WIRES FROM LUMINAIRE TO POLE HANDHOLE AND TWO 600V (XLP-TYPE USE) 1/C NO. 10 WIRES FROM THE POLE HANDHOLE TO CONTROLLER. THE BARE COPPER WIRE, WHICH IS TO RUN FROM FOUNDATION GROUND ROD TO CONTROLLER CABINET, SHALL INCLUDE GREEN INSULATED JACKET AND SHALL BE CONSIDERED INCIDENTAL. IN THE CASE THAT THE LUMINAIRE USED IN CONSTRUCTION REQUIRES THE CONTROL WIRE TO CROSS THE BALLAST, THE 600V (XLP-TYPE USE) 1/C NO. 10, WHICH RUNS FROM THE LUMINAIRE TO THE POLE HANDHOLE, SHALL BE REPLACED WITH NO. 12 (THHN) 1/C PER MANUFACTURER'S SPECIFICATIONS.
- ALL NEW SIGNAL HEADS (ALL SIZES, ALL MOUNTING TYPES) SHALL BE EQUIPPED WITH LIGHT-EMITTING DIODE (LED) TECHNOLOGY FACES.

REVISIONS		
NO.	ITEM	DATE

PLOTTING SCALE:	1"=1'
DRAWN BY:	KRL/BSL
CHECKED BY:	JWH
DATE:	DECEMBER 1, 2004

McCLURE ENGINEERING ASSOCIATES, INC.
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 Design Firm License: Illinois #14-000516

TRAFFIC SIGNAL DETAILS
 CITY OF ROCKFORD
 WALNUT STREET (HEB) ROCKFORD, ILLINOIS
 FILE NAME: H:\SecondSt-2004\HEB\Sigdetails.dwg SEC. 140CS-TS-3 JOB NUMBER: 04-28-04-045