

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	IN & TS	KENDALL	174	60
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

• FAP 311 (IL RTE 71) & FAS 2312 (IL RTE 126)

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (U.U.L.I.E. 800/892-0123). CONTACT IDOT FOR HIGHWAY LIGHTING LOCATE.
2. ALL TRAFFIC SIGNAL HEADS SHALL BE 12", UNLESS OTHERWISE NOTED.
3. ALL SIGNAL BASES SHALL BE LOCATED AT 6 FOOT MINIMUM CLEARANCE FROM CURB UNLESS OTHERWISE DIRECTED BY ENGINEER.
4. ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL CONDUIT PUSHED MAY BE GALVANIZED STEEL OR P.V.C. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
5. A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEM.
6. THE PROPOSED TRAFFIC SIGNAL CONTROL CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT AS INCIDENTAL TO THE CONTROL CABINET PAY ITEM.
7. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON, INCIDENTAL TO THE CONTROLLER PAY ITEM.
8. THE DEPARTMENT OF TRANSPORTATION (815-434-8505) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE TURNING ON OF THE CONTROLLER UNIT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING THE NEW ELECTRICAL LOADS FOR THE UNMETERED SERVICES ON THIS IMPROVEMENT TO THE UTILITY COMPANY AND AGENCY RESPONSIBLE FOR ENERGY CHARGES: UNITED CITY OF YORKVILLE, 800 GAME FARM ROAD, YORKVILLE, IL. 60560
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FEET MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. ALL MAST ARM SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
12. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES, AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
14. ALL THREADS OF BOLTS USED IN TRAFFIC COMPONENT ASSEMBLIES SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
15. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
16. BACK PLATES MUST BE POLYCARBONATE WITH A DEEP BACK FLANGE.
17. THE CONTRACTOR SHALL PROVIDE 3 FEET SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE: MAST ARM, POST, CONTROLLER. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH CABLE.
18. A MESSAGE BOARD SHALL BE PLACED AT EACH OF THE FOUR APPROACHES FOR A TOTAL OF ONE MONTH PERIOD. THE SIGNS SHALL INDICATE NEW TRAFFIC SIGNALS FOR ONE WEEK BEFORE SIGNALS ARE FUNCTIONING. THE SIGNS SHALL INDICATE BE PREPARED TO STOP FOR THREE WEEKS AFTER SIGNALS ARE FUNCTIONING. LOCATION OF MESSAGE SIGN SHALL BE DETERMINED BY THE ENGINEER.
19. ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 IN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002.
20. ALL LED ARROW SECTIONS SHALL HAVE 3 ROWS.
21. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
22. MAST ARM TRAFFIC SIGNAL HEADS SHALL BE CENTERED ON LANES.
23. THE LENGTH OF DETECTOR LOOP CABLE FROM THE EDGE OF THE PAVEMENT TO HANDHOLE IS INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
24. THE DOUBLE HANDHOLE SHALL BE FURNISHED WITH RECESSED, INTEGRAL HINGED LIDS.
25. MAST ARM AND SIGNAL POSTS SHALL BE A MINIMUM OF 18' FROM EDGE OF PAVEMENT ON THRU LANES OR 12' FROM TURN LANES OR INTERSECTION RADII.
26. ELEVATION OF DOUBLE HANDHOLE SHALL BE LOWER THAN ELEVATION OF CONTROL CABINET FOUNDATION.

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	40
72000200	SIGN PANEL - TYPE 2	SQ FT	58
80500200	SERVICE INSTALLATION, TYPE B	EACH	1
80803530	TRAFFIC SIGNAL WOOD POLE, 25 FT. CLASS 4	EACH	1
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	424
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1841
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	123
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	70
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	125
81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	218
81400400	CONCRETE HANDHOLE	EACH	13
81400600	CONCRETE DOUBLE HANDHOLE	EACH	1
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2257
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1920
82103250	LUMINAIRE SODIUM VAPOR HORIZONTAL MOUNT 250 WATT	EACH	4
82500605	LIGHTING CONTROLLER PHOTOCCELL RELAY	EACH	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	930
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1696
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2432
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4434
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	10
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	4
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	3
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	60
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	20
88500100	INDUCTIVE LOOP DETECTOR	EACH	16
88600100	DETECTOR LOOP, TYPE 1	FOOT	2002
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
X7015050	PORTABLE CHANGABLE MESSAGE SIGN	CA MO	4
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	620
X8801300	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
X8801395	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
X8801400	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
XX002179	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 20 3/C, SHIELDED	FOOT	930

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 GENERAL NOTES AND
 SCHEDULE OF QUANTITIES
 FAP 311 (IL RTE 71)
 AND FAS 2312 (IL RTE 126)
 SECTION IN & TS
 KENDALL COUNTY

SCALE: VERT. 1" = 20'
 HORIZ. 1" = 20'

DATE: _____ DRAWN BY: ARR
 CHECKED BY: MVF

2/22/2006 c:\proj\ecr\sep02004\consu\1\notes.dgn