

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800/892-0123).
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 (815-434-8506) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE TURNING ON OF THE CONTROLLER UNIT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNAL AND STREET LIGHTING. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
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. 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.
14. 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.
15. BACK PLATES MUST BE POLYCARBONATE WITH A DEEP BACK FLANGE.
16. 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.
17. 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.
18. 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.
19. ALL LED ARROW SECTIONS SHALL HAVE 3 ROWS.
20. THE LENGTH OF DETECTOR LOOP CABLE FROM THE CURB TO THE JUNCTION BOX OR HANDHOLE IS INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
21. THE DOUBLE HANDHOLE SHALL BE FURNISHED WITH RECESSED, INTEGRAL HINGED LIDS.
22. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
23. THE DETECTOR LOOPS SHALL BE PLACED PRIOR TO THE FINAL BITUMINOUS SURFACE COURSE.

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	Y031-1F 90% FEDERAL 6.7% STATE 3.3% COUNTY	Y031-1F 100% COUNTY
72000100	SIGN PANEL-TYPE 1	SQ FT	64	--
72000200	SIGN PANEL-TYPE 2	SQ FT	30	--
73000100	WOOD SIGN SUPPORT	FOOT	80	--
80500200	SERVICE INSTALLATION, TYPE B	EACH	1	--
80803540	TRAFFIC SIGNAL WOOD POLE, 25 FT., CLASS 5	EACH	1	--
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	264	--
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1153	--
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	105	--
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	8	--
81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	104	--
81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	133	--
81400400	CONCRETE HANDHOLE	EACH	6	--
81400600	CONCRETE DOUBLE HANDHOLE	EACH	1	--
81500200	TRENCH AND BACKFILL FOR ELECTRIC WORK	FOOT	1349	--
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO.10	FOOT	383	383
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250-WATT	EACH	3	3
85700200	FULL ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	--
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	892	--
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	928	--
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14, 1 PAIR	FOOT	2363	--
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	11	--
87502490	TRAFFIC SIGNAL POST GALVANIZED STEEL, 15 FT.	EACH	2	--
87702840	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1	--
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	--
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1	--
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6	--
87800215	CONCRETE FOUNDATION, TYPE D	FOOT	3.5	--
87800400	CONCRETE FOUNDATION, TYPE E, 30 INCH DIAMETER	FOOT	10	--
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	24	--
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10	--
88500100	INDUCTIVE LOOP DETECTOR	EACH	9	--
88600100	DETECTOR LOOP, TYPE 1	FOOT	1000	--
X0323370	TRAFFIC SIGNAL BATTERY BACKUP	EACH	1	--
X8801300	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	--
X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5	--
X8801395	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	--
X8801400	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3	--

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1R)TS	KANKAKEE	22	11
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 66416

DESIGNED	M.V.F.
CHECKED	J.L.S.
DRAWN	J.M.M.
CHECKED	M.V.F.

IL ROUTE 17
AND CH 38 / LOWE ROAD
TRAFFIC SIGNAL NOTES & QUANTITIES
FAP ROUTE 330, FAU ROUTE 6209
SEC. NO. (1R)TS
KANKAKEE COUNTY