

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	L-M-3	BOONE	68	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL GENERAL NOTES

- No work shall be allowed until all necessary components to complete the signal installation have arrived on the job site.
- The exact location of all utilities shall be field verified by the contractor before any work is started.
- The red sections of the signal heads sharing the same mast arm shall be level with one another and maintain a 16' minimum clearance from the highest point of the roadway to the lowest point of the signal heads.
- The mounting height for the luminaires shall be 35'-0" horizontal mounted with a 12' arm.
- The proposed mast arm mounted traffic signal heads shall be mounted directly over the center of their respective lanes, unless indicated otherwise on the plans.
- The handhole shall be constructed so that the top of the frame will be flush with the surface of the median or ground line.
- The traffic signal controller shall be oriented so that the door is facing away from traffic.
- The locations for handholes, mast arm foundations and detector loops are provided for reference only. The engineer of traffic shall be notified for location verification before installation.
- Traffic signal heads shall be properly covered prior to intersection turn-on or as directed by the engineer. This cost shall be included in the cost of the associated signal pay items.
- The contractor is responsible for uncovering or hand digging around utilities as necessary. The cost of this work is to be included in the conduit installed pay item.
- All signal bases shall be located a minimum of 6 feet from the face of curb unless otherwise directed by an engineer.
- Ground rods shall be solid copper alloy or copper clad steel.
- All mast arm pole bases shall be protected by a stainless steel mesh screening around the base bolts to prevent rodent entry. The mesh shall be secured to the base by stainless steel banding as incidental to the individual mast arm assembly pay item.
- The contractor shall contact the local light company prior to beginning work to obtain the utility company requirements for the service installation.
- The light controller shall be mounted to the side of the traffic controller cabinet.
- All traffic signal heads shall be 12 inch polycarbonate with led lenses.

TABULATION OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE I	50 FT	32
80501000	SERVICE INSTALLATION, (SPECIAL)	EACH	1
81400400	CONCRETE HANDHOLE	EACH	7
81400600	CONCRETE DOUBLE HANDHOLE	EACH	1
81702110	ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 1/C NO. 10	FOOT	615
81702130	ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 1/C NO. 6	FOOT	59
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	827
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	866
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1156
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1564
87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	3908
87601200	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	1
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6.0
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	58.0
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	10
88500100	INDUCTIVE LOOP DETECTOR	EACH	12
88600100	DETECTOR LOOP, TYPE I	FOOT	1960
88800100	PEDESTRIAN PUSH-BUTTON	EACH	6
X0324885	CONDUIT INSTALLED 1", NON-METALLIC	FOOT	1485
X0324887	CONDUIT INSTALLED 2 1/2", NON-METALLIC	FOOT	105
X0324888	CONDUIT INSTALLED 4", NON-METALLIC	FOOT	363
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	4
X8801400	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
X8810395	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	6
XX002182	STREET NAME SIGN MAST ARM MOUNT	EACH	4

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