SCHEDULE OF QUANTITIES				CONSTRUCTION TYPE CODE:Y031-1F LOCATION 1 LOCATION 2		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	IL 111 & FOSTERBURG	IL 140 & PRAIRIE	
72000100	SIGN PANEL - TYPE 1	SQ FT	5	5		
72000200	SIGN PANEL - TYPE 2	SQ FT	15	15		
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	5	5		
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	15	15		
80300100	LOCATING UNDERGROUND CABLE	FOOT	100	100		
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	6	6		
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	40	40		
81400100	HANDHOLE	EACH	1	1		
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	F00T	46	46		
8 301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	233	233	-	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	256	256		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	152	152		
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	189	189		
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1	1		
87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55	EACH	1	1		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3	3		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	F00T	15	15	-	
87900100	DRILL EXISTING FOUNDATION	EACH	1	1		
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	2	2	·	
88600 00	DETECTOR LOOP, TYPE I	FOOT	1080	348	732	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1188	1188		2.9
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	158	158		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	i		
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5	5		
X 402810	ISLAND SURFACE REMOVAL AND REPLACEMENT	SQ FT	581	581		
X8801300	SIGNAL HEAD , POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	2		
X8801310	SIGNAL HEAD , POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1	1		5 S
X8801400	SIGNAL HEAD , POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	1		
		I.	1	1		I

FAP ROUTE	SECTION	COUNTY	TOTAL SMEETS	SHEET
785	132-3I, 133RS-5	MADISON	29	16
STA.		TO STA.		

ELECTRICAL GENERAL NOTES

1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12 "SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.

2. BACKPLATES SHALL BE ABS PLASTIC.

3. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.

4. ALL TRAFFIC SIGNAL CABLES SHALL BE *14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.

5. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.

6. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD FILLED WITH NON-HARDENING EPOXY FILLER. ROSIN-CORE SOLDER SHALL BE USED.

7. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.

18. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(b)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.

9. LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.

10. ESTIMATED DEPTHS OF THE CONCRETE FOUNDATIONS FOR THE MAST ARM SUPPORT POLES ARE AS FOLLOWS:

NW CORNER: 12'-6" DEEP

FINAL DEPTHS WILL BE DETERMINED BY THE DEPARTMENT FROM THE SOIL BORING DATA.

11. ABANDON EXISTING CONDUIT AND CABLES IN PLACE.

12. THE CONTRACTOR SHALL FABRICATE, DELIVER AND INSTALL ONE (1) STREET NAME SIGN AT THE SPECIFIED LOCATIONS. THE SIGNS AND INSTALLATION SHALL CONFORM TO SECTION 720 OF THE STANDARD SPECIFICATONS AND STANDARDS 720016 AND 720001.

13. THE CONTRACTOR SHALL INSTALL THE STREET NAME SIGN ON THE MAST ARM AS FOLLOWS:
ONE SIGN, NW QUAD., VISIBLE TO WB TRAFFIC

TRAFFIC SIGNALS LEGEND

GALVANIZED STEEL CONDUIT

PVCC POLYVINYL CHLORIDE CONDUIT

EXISTING SIGNAL POST

EXISTING TRAFFIC SIGNAL MAST ARM

EXISTING HANDHOLE

EXISTING DOUBLE HANDHOLE

EXISTING DETECTOR LOOP

EXISTING CONTROLLER

EXISTING STREET NAME SIGN/TRAFFIC SIGN

EXISTING ILLUMINATED SIGN

EXISTING SERVICE INSTALLATION

EXISTING GALVANIZED STEEL CONDUIT

PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED

PROPOSED HANDHOLE

PROPOSED DETECTOR LOOP

PROPOSED CONDUIT: "T" TRENCH, "P" PUSH, SIZE SPECIFIED

PROPOSED STREET NAME SIGN/TRAFFIC SIGN

PROPOSED SIGNAL POST