F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
394/6/76	2002-113R	WILL	242	112
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	QTY.
M8305050	LIGHT POLE, ALUMINUM, 14.5M M.H., 4.5M MAST ARM	EACH	4
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	25
	LIGHT POLE FOUNDATION, METAL, 381MM BOLT CIRCLE, 254MM × 2.44 METER	EACH	15
M8380095	BREAKAWAY DEVICE, TRANSFORMER BASE, 381MM BOLT CIRCLE	EACH	4
M8160415	UNIT DUCT, WITH 3-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW), 40MM DIA., POLYETHYLENE	METER	1344
M8190200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	1088
M8101070	CONDUIT PUSHED, 75MM DIA., GALVANIZED STEEL	METER	118
X8250110	LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX CONSOLE TYPE, WITH SCADA	EACH	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
M8170870	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/C 350MCM	METER	15
M8080190	TEMPORARY WOOD POLE, 18.30 METER, CLASS 4, 4.5 METER MAST ARM	EACH	14
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12
MX032073	AERIAL CABLE, 3-1/C NO. 2, ALUMINUM, WITH MESSENGER WIRE	METER	1097
M8070115	GROUND ROD, 16MM DIA. × 3.0M	EACH	27
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	12
84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	14
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	4
MX843010	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	METER	60
X0322572	REMOVAL OF LIGHTING CONTROLLER AND SALVAGE	EACH	1
X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
M8080180	TEMPORARY WOOD POLE, 18.3 METER, CLASS 4	EACH	1
X0322141	REMOVE TEMPORARY WOOD POLE	EACH	1
X0324387	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	10

LEGEND:

- PROPOSED LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX CONSOLE TYPE
- EXISTING LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX CONSOLE TYPE WITH SCADA
- EXISTING UTILITY POWER POLE
- GROUND ROD, 16MM DIA. × 3.0M, PROPOSED
- LIGHT POLE, ALUMINUM, 14.5M M.H., 4.5M MAST ARM WITH LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT TYPE MCIII, PROPOSED
- COMBINATION LIGHT AND TRAFFIC POLE, 13.7M M.H., 4.5M MAST ARM WITH LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT TYPE MCIII, PROPOSED POLE AND MAST ARM FOR TRAFFIC SIGNAL FURNISHED AND INSTALLED BY OTHERS
- COMBINATION LIGHT AND TRAFFIC POLE, 13.7M M.H., TWO 4.5M MAST ARMS ALIGNED 90 DEGREES APART WITH LUMINAIRES, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT TYPE MCIII, PROPOSED POLE AND MAST ARM FOR TRAFFIC SIGNAL FURNISHED AND INSTALLED BY OTHERS.
- (T) TEMPORARY WOOD POLE, 18.3 METER, CLASS 4, 4.5 METER MAST ARM
- (E) EXISTING LIGHTING UNIT
- (RR) EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
- (ER) EXISTING LIGHTING UNIT TO BE REINSTALLED
- (R) REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE
- UNIT DUCT, PROPOSED, SEE PLANS FOR SIZES
- RGS CONDUIT CAPPED AS SPARE
- RGS CONDUIT PUSHED PROPOSED, SEE PLANS FOR SIZES
- RGS CONDUIT PUSHED EXIST.
- —AC— AERIAL CABLE PROPOSED, SEE PLANS FOR SIZES
- [J] LIGHTING JUNCTION BOX PROPOSED, SEE PLAN FOR SIZES
- [J]E LIGHTING JUNCTION BOX EXISTING, SEE PLAN FOR SIZES
- RGS CONDUIT EXPOSED
- —E— EXISTING UNIT DUCT

LT	LEFT OF STATION (VIEWED IN DIRECTION OF INCREASING STATION NUMBERS)
RT	RIGHT OF STATION (VIEWED IN DIRECTION OF INCREASING STATION NUMBERS)
MH	MOUNTING HEIGHT
MA	MAST ARM
EOP	EDGE OF PAVEMENT
ML	MAIN LINE (ROADWAY) CENTERLINE
BL	BASE LINE OF RAMP
EOS	EDGE OF SHOULDER
ROW	RIGHT OF WAY
GND	GROUND

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING, PUSHING OR AUGERING.
3. UNLESS OTHERWISE INDICATED, ALL RACEWAY PUSHES ARE RIGID GALVANIZED STEEL CONDUIT.
4. ANY TREE TRIMMING REQUIRED AS DIRECTED BY THE ENGINEER SHALL BE PERFORMED BY THE CONTRACTOR, AND THE COST SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
5. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (i.e. DECORATIVE ROCKS, SHRUBS, PLANTS, SOUNDWALL, ETC.), OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
6. ALL ROADWAY POLES SHALL BE UL CLASSIFIED.
7. UNIT DUCTS LOCATED WITHIN ONE FOOT OF EACH OTHER SHALL BE INSTALLED IN A COMMON TRENCH.
8. TEN (10) OF THE EXISTING LIGHT POLES, MAST ARMS AND TRANSFORMER BASES AT THE I394/GOODENOW INTERSECTION SHALL BE REMOVED AND RELOCATED AS SHOWN ON THE PLAN DRAWINGS. TWO (2) OF THE EXISTING LIGHTING UNITS SHALL BE REMOVED AND SALVAGED. FOUR (4) OF THE EXISTING LIGHTING UNITS AT THE I394/IL1 INTERSECTION SHALL BE REMOVED AND SALVAGED. FOUR EXISTING HELIX LIGHTING FOUNDATIONS SHALL BE REMOVED AND SALVAGED, THE COST OF WHICH SHALL BE INCLUDED UNDER THE PAY ITEM "REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE."
9. ALL OF THE NEW 310W LUMINAIRES FOR THE PROPOSED LIGHTING SHALL BE INSTALLED AT A MOUNTING HEIGHT OF 14.478 METERS (47'-6").
10. ALL OF THE NEW 400W LUMINAIRES FOR THE TEMPORARY LIGHTING SHALL BE INSTALLED AT A MOUNTING HEIGHT OF 15.24 METERS (50'-0").
11. THE EXISTING LIGHT POLES SHALL NOT BE REMOVED AND RELOCATED PRIOR TO THE INSTALLATION OF TEMPORARY LIGHTING.

LIGHT POLE LABEL LEGEND:

CONTROL CABINET
CIRCUITRY
POLE NUMBER

X A 12
X B 12

PETER B. LEONARD 036-047027 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Peter B. Leonard 7/9/09
Exp. 11/30/09

E1

REVISIONS	
NAME	DATE

HOH ASSOCIATES, INC.
55 West Jackson Blvd.
Chicago, Illinois 60604
312/346-8131

PROJECT NUMBER 2660.05

HOH CAD FILE No. E1.DGN
PLOT SCALE 1 = 1

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. RTE.394 AT IL. 1/ GOODENOW
SUMMARY OF QUANTITIES
GENERAL NOTES AND LEGEND

SCALE: NONE
DATE 12-7-05

DRAWN BY KWO
CHECKED BY RER