Pgs 42A - 42D are Deleted

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	43
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

ELECTRICAL SYMBOLS FOR PROPOSED WORK

LIGHT TOWER:
400W HPS LUMINAIRES
ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES.
HANDHOLE LOCATION AS INDICATED
NUMBER INSIDE HEXAGON INDICATES TOWER TYPE

TYPE	TOWER HEIGHT
10 -	100 FEET
11 -	110 FEET
12 -	120 FEET

LIGHTING UNIT: TYPE AS INDICATED

47'-6" M.H., 15 FT. M.A.
310W HPS M-C-III LUMINAIRE.
BREAKAWAY TRANSFORMER BASE

47'-6" M.H., 2-15 FT. M.A.
2-310W HPS M-C-III LUMINAIRES.
BREAKAWAY TRANSFORMER BASE

TEMPORARY LUMINAIRE AND POLE

UNDERPASS LUMINAIRE:
70 WATT HPS (PRIMARY DISTRIBUTION PATTERN DIRECTION AS INDICATED BY ARROW)

ELECTRIC HANDHOLE: TYPE AS INDICATED

TYPE E1: PRECAST CONCRETE, 21.5"x21.5"x30", IDOT STANDARD 814001

TYPE E2: PRECAST CONCRETE-HEAVY DUTY, 22"x22"x30", IDOT STANDARD 814001

TYPE C1: COMMUNICATIONS VAULT, 49⅝"x32⅛"x57"

TYPE S1: PRECAST CONCRETE-HEAVY DUTY, 22"x22"x36"

TYPE S2: PRECAST CONCRETE-HEAVY DUTY SPECIAL, 30"x30"x36"

JUNCTION BOX: TYPE AND SIZE AS INDICATED ON PLANS

PULL BOX: TYPE AND SIZE AS INDICATED ON PLANS

TELEPHONE CONNECTION

FIBER OPTIC COMMUNICATIONS HUT

LIGHTED SIGN STRUCTURE-CANTILEVER TYPE (NUMBER OF FLUORESCENT FIXTURES AS INDICATED - TYP.)

LIGHTED SIGN STRUCTURE-TRUSS TYPE

LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE

DYNAMIC MESSAGE SIGN

FLASHING BEACON SIGN

CLOSED CIRCUIT TELEVISION CAMERA

MICROWAVE DETECTOR

DETECTOR LOOP

CONTROLLER CABINET: LIGHTING, RADIO CONTROL DUPLEX TYPE WITH SCADA (DOOR SIDE AS INDICATED)

CONTROLLER CABINET: SURVEILLANCE

CONTROLLER CABINET: SURVEILLANCE, TYPE 334

RAMP METER SIGNAL POLE/HEAD

RAMP METER FLASHER POST

TEMPORARY WOOD POLE, 50 FOOT LENGTH (10 FOOT BURIED, 40 FOOT INSTALLED HEIGHT)

HIGHWAY ADVISORY RADIO ANTENNA

ELECTRIC UTILITY POLE

CCTV CAMERA POLE

POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)

PAD MOUNTED ELECTRIC UTILITY TRANSFORMER

GROUND ROD

MAIN SERVICE FUSED DISCONNECT SWITCH (RATING AS INDICATED)

PHOTOCELL

AERIAL CABLE

FLEXIBLE CONDUIT

RACEWAY EMBEDDED IN STRUCTURE

EXPOSED CONDUIT

RACEWAY OR DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT

RIGID GALVANIZED STEEL CONDUIT SLEEVE, TRENCHED OR PUSHED

UNDERGROUND REINFORCED CONCRETE ENCASED CONDUIT DUCTBANK, UNLESS NOTED OTHERWISE. (NUMBER, TYPE, AND SIZE OF DUCTS AS SHOWN)

CONDUIT TURNED DOWN

CONDUIT TURNED UP

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

EXISTING LIGHTING UNIT, TWIN LUMINAIRE

EXISTING LIGHTING UNIT

EXISTING TEMPORARY LIGHTING UNIT

EXISTING CDOT LIGHTING UNIT

EXISTING UNDERPASS LUMINAIRE

EXISTING ELECTRIC HANDHOLE

EXISTING JUNCTION BOX

EXISTING PULL BOX

EXISTING TELEPHONE CONNECTION

EXISTING FIBER OPTIC COMMUNICATIONS HUT

EXISTING ELECTRIC HANDHOLE/MANHOLE

EXISTING CDOT ELECTRIC HANDHOLE/MANHOLE

EXISTING LIGHTED SIGN STRUCTURE-CANTILEVER TYPE

EXISTING LIGHTED SIGN STRUCTURE-TRUSS TYPE

EXISTING LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE

EXISTING DYNAMIC MESSAGE SIGN

EXISTING FLASHING BEACON SIGN

EXISTING CLOSED CIRCUIT TELEVISION CAMERA

EXISTING MICROWAVE DETECTOR

EXISTING DETECTOR LOOP

EXISTING LIGHTING CONTROLLER, DUPLEX

EXISTING CONTROLLER CABINET

EXISTING RAMP METER SIGNAL POLE/HEAD

EXISTING RAMP METER FLASHER

EXISTING HIGHWAY ADVISORY RADIO ANTENNA

EXISTING CCTV CAMERA POLE

EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED

EXISTING UTILITY SERVICE CONNECTION, PAD MOUNTED

EXISTING CONCEALED CONDUIT IN STRUCTURE

EXISTING EXPOSED CONDUIT

EXISTING RACEWAY OR DIRECT BURIED CABLE WITHOUT ENCASEMENT

EXISTING CONCEALED CONDUIT UNDERGROUND, TRENCHED OR PUSHED

EXISTING ELECTRIC CABLE IN CONDUIT

GENERAL ELECTRICAL CALLOUTS

NUMBER OF LUMINAIRES
CONTROLLER DESIGNATION
CIRCUIT DESIGNATION (RED PHASE)
CIRCUIT DESIGNATION (BLACK PHASE)
UNIT NUMBER
7 WAB1

CONTROLLER DESIGNATION
CIRCUIT DESIGNATION
LIGHTING UNIT NUMBER
WA3
STA. 1700+00, 65RT

CKT. C&D: 3#2, 1#4 GND, 1 1/4" UD

4" RGC PUSHED OR 4" RGC TRENCHED

HANDHOLE NUMBER
TYPE DESIGNATION
HHXX
TYPE E1

JB, SS, 18"x18"x8" ATS

CONDUIT-SPARE
CONDUIT WITH CABLE OR UNITDUCT
DUCTBANK LENGTH
150LF

62583
FIBER OPTIC
START LOCATION
END LOCATION
F0 01 C01 - CABLE DESIGNATOR

NN	SHELTER NUMBER
C	CCTV CAMERA
H	HAR
V	VEHICLE DETECTOR
R	RAMP METER
S	DYNAMIC MESSAGE SIGN

4 SM, 1-4
FIBER COUNT
SINGLE MODE
NUMBER OF FIBERS

NUMBER OF LUMINAIRES
CONTROLLER DESIGNATION
SIGN STRUCTURE NUMBER
6
W1

PROPOSED IDOT CONTROLLER "U"
STA. 1528+10, 160LT

TYPICAL EXISTING TO BE REMOVED SYMBOLS

EXISTING LIGHTING UNIT TO BE REMOVED

EXISTING UNDERPASS LUMINAIRE TO BE REMOVED

EXISTING JUNCTION BOX TO BE REMOVED

EXISTING LIGHTED SIGN STRUCTURE-CANTILEVER TYPE TO BE REMOVED

DYNAMIC MESSAGE SIGN TO BE REMOVED

FLASHING BEACON SIGN TO BE REMOVED

EXISTING LIGHTING CONTROLLER, DUPLEX TO BE REMOVED

EXISTING CONTROLLER CABINET TO BE REMOVED

EXISTING DETECTOR LOOP TO BE REMOVED

EXISTING RAMP METER SIGNAL POLE/HEAD TO BE REMOVED

EXISTING RAMP METER FLASHER TO BE REMOVED

EXISTING POLE MOUNTED UTILITY SERVICE CONNECTION TO BE REMOVED

ME-01

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5217. PHONE: (312) 938-0300

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

ELECTRICAL SYMBOLS

SCALE: NOT TO SCALE
DATE: October 29, 2004
DRAWN BY: CJM
CHECKED BY: WDS

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