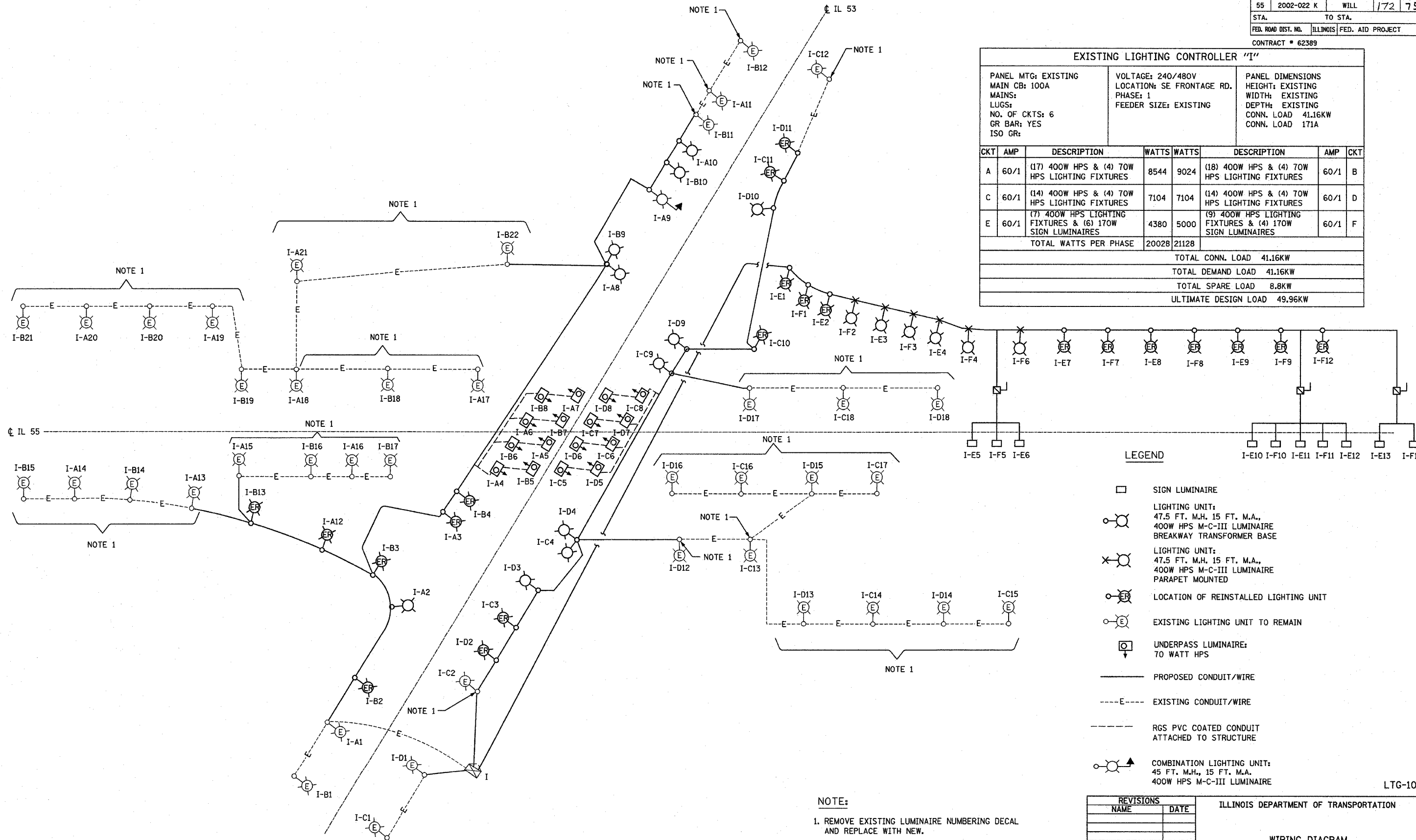


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL.	172	75
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT # 62389

EXISTING LIGHTING CONTROLLER "I"							
PANEL MTG: EXISTING		VOLTAGE: 240/480V		PANEL DIMENSIONS			
MAIN CB: 100A		LOCATION: SE FRONTAGE RD.		HEIGHT: EXISTING			
MAINS:		PHASE: 1		WIDTH: EXISTING			
LUGS:		FEEDER SIZE: EXISTING		DEPTH: EXISTING			
NO. OF CKTS: 6				CONN. LOAD 41.16KW			
GR BAR: YES				CONN. LOAD 171A			
ISO GR:							
CKT	AMP	DESCRIPTION	WATTS	WATTS	DESCRIPTION	AMP	CKT
A	60/1	(17) 400W HPS & (4) 70W HPS LIGHTING FIXTURES	8544	9024	(18) 400W HPS & (4) 70W HPS LIGHTING FIXTURES	60/1	B
C	60/1	(14) 400W HPS & (4) 70W HPS LIGHTING FIXTURES	7104	7104	(14) 400W HPS & (4) 70W HPS LIGHTING FIXTURES	60/1	D
E	60/1	(7) 400W HPS LIGHTING FIXTURES & (6) 170W SIGN LUMINAIRES	4380	5000	(9) 400W HPS LIGHTING FIXTURES & (4) 170W SIGN LUMINAIRES	60/1	F
TOTAL WATTS PER PHASE			20028	21128			
TOTAL CONN. LOAD			41.16KW				
TOTAL DEMAND LOAD			41.16KW				
TOTAL SPARE LOAD			8.8KW				
ULTIMATE DESIGN LOAD			49.96KW				



LEGEND	
	SIGN LUMINAIRE
	LIGHTING UNIT: 47.5 FT. M.H., 15 FT. M.A., 400W HPS M-C-III LUMINAIRE BREAKWAY TRANSFORMER BASE
	LIGHTING UNIT: 47.5 FT. M.H., 15 FT. M.A., 400W HPS M-C-III LUMINAIRE PARAPET MOUNTED
	LOCATION OF REINSTALLED LIGHTING UNIT
	EXISTING LIGHTING UNIT TO REMAIN
	UNDERPASS LUMINAIRE: 70 WATT HPS
	PROPOSED CONDUIT/WIRE
	EXISTING CONDUIT/WIRE
	RGS PVC COATED CONDUIT ATTACHED TO STRUCTURE
	COMBINATION LIGHTING UNIT: 45 FT. M.H., 15 FT. M.A., 400W HPS M-C-III LUMINAIRE

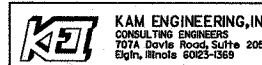
NOTE:
1. REMOVE EXISTING LUMINAIRE NUMBERING DECAL AND REPLACE WITH NEW.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WIRING DIAGRAM

SCALE: NONE
DATE: OCTOBER 25, 2004

DRAWN BY: SM
DESIGNED BY: SM
CHECKED BY: SM



PLAN	DATE

PROFILE	DATE