



**POWER AGENCIES**

THE POWER SUPPLYING AGENCYIES FOR THIS PROJECT ARE:

FIRST ENERGY-THE ILLUMINATING COMPANY  
6896 MILLER ROAD  
BRECKSVILLE, OHIO 44141  
ATTN: CALL FOR NEW SERVICE REQUEST  
PHONE: 1-800-589-3101

CITY OF CLEVELAND, DIVISION OF PUBLIC POWER  
1300 LAKESIDE AVE.  
CLEVELAND, OHIO 44114  
ATTN: CHRIS HIRZEL  
PHONE: (216) 664-3922, EXT. 115

**ODOT CIRCUITS**

THE CONTACTS FOR THE ODOT MAINTAINED CIRCUITS ARE:

OHIO DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF ROADWAY SERVICES

5500 TRANSPORTATION BLVD.  
GARFIELD HTS., OHIO 44125

ATTN: ROADWAY SERVICES (TRAFFIC ENGINEER)

ATTN: DAVID NIMRICHTER (LIGHTING/TRAFFIC CIRCUITS)  
(216) 584-2296

THE CONTRACTOR SHALL NOTIFY DAVID NIMRICHTER A MINIMUM OF 24 HOURS PRIOR TO PERFORMING ANY LIGHTING WORK.

**LIGHT POLE IDENTIFICATION**

IDENTIFICATION OF THE NEW LIGHT POLES SHALL BE CONSIDERED AS INCIDENTAL WORK PER C.M.S. 625.09. IN ADDITION, RE-LABEL TOWER 1RDG1-3 TO **1RDG1-4** AS SHOWN IN THE PLAN.

**ITEM 201-CLEARING AND GRUBBING**

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201-CLEARING AND GRUBBING. THIS ITEM SHALL CONSIST OF THE REMOVAL OF TREES AND OR BRUSH TO CLEAR ACCESS TO SERVICE POLES, PROPOSED CONTROL CENTERS AND TRENCHING OPERATIONS.

ALL PROVISIONS AS SET FORTH IN C.M.S. 201 UNDER THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201-CLEARING AND GRUBBING.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 201-CLEARING AND GRUBBING.....LUMP

**ITEM 607-GATE, TYPE CLT, AS PER PLAN**

CHAIN LINK WALK GATES MAY BE CONSTRUCTED THROUGH THE EXISTING R/W FENCES IF A PROPOSED RELOCATED CONTROL CENTER IS NOT ACCESSABLE FOR MAINTENANCE PURPOSES OR AS DETERMINED BY THE ENGINEER. THE PROPOSED GATES SHALL BE CONSTRUCTED PER S.C.D. F-3.2. THE GATE WIDTHS SHALL BE 4' AND CONSTRUCTED WITH NEW FENCE MATERAIL AND NEW END POSTS. ANY EXISTING FENCE THAT NEEDS TO BE REMOVED SHALL BE INCIDENTAL TO THIS PAY ITEM

PAYMENT WILL BE MADE AT THE UNIT BID PRICE OF EACH FOR ITEM 607-GATE, TYPE CLT, AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

THE FOLLOWING CONTIGENCY QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 607-GATE, TYPE CLT, AS PER PLAN.....3 EACH

**ITEM 625-CONNECTION, FUSED PULL APART, AS PER PLAN**

THE FUSED PULL APART CONNECTIONS FROM DISTRIBUTION/DUCT CABLE TO THE POLE AND BRACKET CABLE SHALL BE THE BRAND **HOMAC** Y-TYPE STREET LIGHTING KITS.

**ITEM 625-CONNECTION, UNFUSED PULL APART, AS PER PLAN**

THE UNFUSED PULL APART CONNECTIONS FROM DISTRIBUTION/DUCT CABLE TO THE POLE AND BRACKET CABLE SHALL BE THE BRAND **HOMAC** Y-TYPE STREET LIGHTING KITS.

**ITEM 625-TRANSFORMER BASE, TYPE AT-A, AS PER PLAN**

THE LOW MAST POLES AT LOCATION NO. **2** WERE FABRICATED BY VALMONT INDUSTRIES, INC. THE PROPOSED ALUMINUM TRANSFORMER BASES SHALL BE FABRICATED PER THE DETAILS SHOWN ON SHEET **53** OF THIS PLAN AND PROVIDED BY AN ODOT APPROVED SUPPLIER. APPROPRIATE ANCHOR NUTS AND HOLDOWN WASHERS TO ATTACH THE TRANSFORMER BASE TO THE EXISTING ANCHOR BASE FOUNDATIONS SHALL ALSO BE SUPPLIED AS A PART OF THIS PAY ITEM.

THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING BOLT CIRCLE OF THE ANCHOR BASE FOUNDATIONS PRIOR TO ORDERING AND FABRICATION TO ENSURE THAT THE TRANSFORMER BASES CAN BE PROPERLY SECURED TO THE EXISTING FOUNDATIONS AND THE EXISTING POLES CAN BE SECURED TO THE TOP OF THE TRANSFORMER BASES.

**ITEM 625-LIGHT POLE CONVENTIONAL, AS PER PLAN**

THE CONTRACTOR SHALL FIELD MEASURE THE EXISTING BOLT PATTERNS AT LOCATION NO. **10** PRIOR TO ORDER AND FABRICATION OF PROPOSED CONVENTIONAL POLES TO ENSURE A PROPER SIZED POLE BASE PLATE.

**ITEM 625-LIGHT TOWER MISC.: REPLACE LUMINAIRE LOWERING MECHANISM**

THIS ITEM SHALL CONSIST OF REPLACING THE HEADFRAMES AND RING ASSEMBLIES OF THE HIGH MAST LIGHT TOWER LUMINAIRE LOWERING MECHANISMS AT THE LOCATIONS ITEMIZED IN THIS

GENERAL NOTES

DESIGN AGENCY



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ALSO INCLUDED SHALL BE THE REMOVAL OF ANY MOUNTING ANCHORS FROM THE ABOVE NOTED ITEMS THAT HAVE BEEN EMBEDDED IN THE PIERS AND PIER CAPS. ONCE THE ANCHORS HAVE BEEN REMOVED ANY VOIDS THAT HAVE BEEN LEFT SHALL BE FILLED AND SMOOTHED WITH NON-SHRINK, NON-METALLIC GROUT PER C.M.S. 705.20. IF ANY ATTACHMENT HARDWARE IS UNABLE TO BE REMOVED, IT SHALL BE CUT OR GROUND SMOOTH WITH THE CONCRETE SURFACE.

PAYMENT SHALL BE MADE AT THE UNIT BID PRICE FOR ITEM 625-LIGHTING MISC.: REMOVAL OF UNDERPASS LIGHTING COMPONENTS FOR EACH LOCATION AND ITEMIZED FOR EACH UNDERPASS LUMINAIRE TO BE REMOVED WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIAL AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

**ITEM SPECIAL-MAINTAIN EXISTING LIGHTING**

EXISTING ROADWAYS WHICH ARE TO REMAIN OPEN TO TRAFFIC DURING THE CONSTRUCTION OF THIS PROJECT AND WHICH ARE LIGHTED SHALL HAVE THE LIGHTING MAINTAINED AS DESCRIBED HEREIN.

BEFORE ANY WORK IS STARTED IN THE IMMEDIATE VICINITY OF THE EXISTING LIGHTING CIRCUITS, REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING ROADWAY LIGHTING CIRCUITS TO BE MAINTAINED. DURING THIS INSPECTION, A WRITTEN RECORD OF THE CONDITION OF EXISTING LIGHTING SHALL BE MADE BY ODOT'S REPRESENTATIVE. THIS WRITTEN REPORT SHALL NOTE INDIVIDUAL LUMINAIRES WHICH ARE NOT IN WORKING ORDER, INDIVIDUAL POLES WHICH ARE NOT STANDING, AND INDIVIDUAL CIRCUITS WHICH ARE NOT IN WORKING ORDER. THE COMPLETED REPORT SHALL BE SIGNED BY THE REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR.

IF, AS A RESULT OF THIS INSPECTION, IT IS DETERMINED THAT THE CONDITION OF THE EXISTING SYSTEM IS BELOW THAT REQUIRED FOR THE SAFETY OF THE TRAVELING PUBLIC, THEN THE MAINTAINING AGENCY SHALL MAKE THE REPAIRS NECESSARY TO RETURN THE SYSTEM TO AN ACCEPTABLE CONDITION. FOLLOWING THESE REPAIRS, THE SYSTEM SHALL AGAIN BE INSPECTED AND A REPORT SHALL BE MADE AND SIGNED AS OUTLINED HEREIN.

WHEN THE EXISTING SYSTEM IS IN AN ACCEPTABLE CONDITION, IT SHALL BE TURNED OVER TO THE CONTRACTOR WHO SHALL THEN BE REQUIRED TO MAINTAIN THE EXISTING LIGHTING TO THE CONDITION OUTLINED IN THIS REPORT WITH THE EXCEPTION OF KNOCKDOWNS DUE TO TRAFFIC ACCIDENTS.

REPLACEMENT OF KNOCKED DOWN UNITS SHALL BE DONE ONLY WHEN THE ENGINEER HAS DETERMINED THAT THE REPLACEMENT OF THE KNOCKED DOWN UNIT IS NECESSARY AND SHALL BE PAID SEPARATELY ON A UNIT BASIS. BETTERMENTS SHALL BE COVERED IN ITEMS OF WORK PERTAINING TO THE CONSTRUCTION OF PERMANENT IMPROVEMENT.

WHEN THE SEQUENCE OF CONSTRUCTION ACTIVITIES REQUIRES, OR SHOULD THE CONTRACTOR DESIRE, THE REMOVAL OF THE EXISTING LIGHTING BEFORE THE NEW LIGHTING IS OPERATIONAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY LIGHTING OF THIS PORTION OF THE ROADWAY. **TEMPORARY LIGHTING TO MAINTAIN EXISTING LIGHTING IS NOT REQUIRED PROVIDED THAT SERVICE IS ONLY INTERRUPTED FOR A MAXIMUM OF TWENTY-ONE (21) DAYS OR LESS.**

PRIOR TO INSTALLING SUCH LIGHTING, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOUR SETS OF THE TEMPORARY LIGHTING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.

THIS PLAN SHALL SHOW LOCATIONS OF POLES, LENGTHS OF BRACKET ARMS, STYLES OF LUMINAIRES, MOUNTING HEIGHTS, WIRING METHODS AND OTHER PERTINENT INFORMATION. THE TEMPORARY LIGHTING SHALL PROVIDE AN AVERAGE INITIAL INTENSITY OF 1.2 FOOTCANDLES WITH AN AVERAGE TO MINIMUM UNIFORMITY NOT TO EXCEED 3:1. MOUNTING HEIGHT OF TEMPORARY LUMINAIRES SHALL NOT BE LESS THAN 30 FEET, AND THE MINIMUM OVERHEAD CONDUCTOR CLEARANCE SHALL BE 20 FEET. TEMPORARY OVERHEAD CONSTRUCTION SHALL NOT BE LESS THAN GRADE "A" FOR STRENGTH REQUIREMENTS AS DEFINED BY THE NATIONAL ELECTRIC SAFETY CODE. WOOD POLES WITH OVERHEAD WIRING MAY BE USED. HOWEVER, TEMPORARY LIGHTING SHALL MEET FEDERAL AND STATE SAFETY CRITERIA. IF BREAKAWAY POLES ARE USED TO MEET THESE CRITERIA, THEN UNDERGROUND WIRING SHALL BE USED. RECONDITIONED OR USED MATERIALS MAY BE FURNISHED FOR TEMPORARY LIGHTING.

ALL MATERIALS NECESSARY TO COMPLETE THE TEMPORARY LIGHTING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WHEN NO LONGER NEEDED, THE TEMPORARY LIGHTING INSTALLATION SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR. THE MAINTAINING AGENCY WILL PAY FOR ELECTRICAL ENERGY CONSUMED BY EXISTING POWER SERVICES AND BY PROPOSED PERMANENT POWER SERVICES AFTER ACCEPTANCE OF THE LIGHTING WORK. THE CONTRACTOR WILL PAY FOR ELECTRICAL ENERGY, INSTALLATION, REMOVAL AND MAINTENANCE OF ANY TEMPORARY POWER SERVICES.

THE LUMP SUM PRICE BID FOR ITEM SPECIAL "MAINTAIN EXISTING LIGHTING" SHALL INCLUDE PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO MAINTAIN THE EXISTING LIGHTING AS SPECIFIED HEREIN.

THE UNIT PRICE BID FOR ITEM SPECIAL "REPLACEMENT OF EXISTING LIGHTING UNIT" SHALL BE FULL PAYMENT FOR THE REPLACEMENT OF AN EXISTING LIGHTING UNIT WHICH HAS BEEN KNOCKED DOWN AFTER THE AFOREMENTIONED INSPECTION AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO PROVIDE A REPLACEMENT FOR SUCH UNIT.

**ITEM 625-LIGHTING MISC.: TEST CIRCUITS**

ONCE CONSTRUCTION WORK IS COMPLETE THE CONTRACTOR SHALL TEST AND INSPECT THE NEW CONTROL CENTERS LISTED BELOW TO VERIFY THAT POWER IS BEING SUPPLIED TO ALL LIGHT POLES AND THE CIRCUITS ARE FUNCTIONAL AND FREE OF DAMAGE. BOTH THE PROJECT ENGINEER AND THE DISTRICT LIGHTING SUPERVISOR, DAVID NIMRICHTER SHALL BE PRESENT FOR THE TESTING AND INSPECTION. THE FOLLOWING SHALL BE TESTED:

CONTROL CENTER <b>RDG</b>	CIRCUITS 1RDG1, 1RDG2, 2RDG1, 2RDG2
CONTROL CENTER <b>CE</b>	CIRCUITS NCE, UCE
CONTROL CENTER <b>MC</b>	CIRCUITS 1MC, 2MC, 3MC, 4MC
CONTROL CENTER <b>PC</b>	CIRCUIT 1PC, 2PC
CONTROL CENTER <b>A</b>	CIRCUITS AA, AB
CONTROL CENTER <b>EDY</b>	CIRCUITS EDY1, EDY2, EDY3
CONTROL CENTER <b>MGR</b>	CIRCUITS MGR1, MGR2
CONTROL CENTER <b>CR</b>	CIRCUITS 1CR, 2CR, 3CR

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 625-LIGHTING MISC.: TEST CIRCUITS.....LUMP

DESIGN AGENCY



DESIGNER  
FLK

REVIEWER  
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SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	7	9	10	13	14	15	16				01/MS/44	EXT	TOTAL				
<b>ROADWAY</b>																	
LS							4				LS 4	201	11000	LS 4		CLEARING AND GRUBBING	
											4	202	75704	4	EACH	REMOVAL OF EXISTING CONTROL CENTER AND FOUNDATION	
3											3	607	61201	3	EACH	GATE, TYPE CLT, AS PER PLAN	4
<b>EROSION CONTROL</b>																	
											1,000	832	30000	1,000	EACH	EROSION CONTROL	
<b>LIGHTING</b>																	
				88		2					90	625	00451	90	EACH	CONNECTION, FUSED PULL APART, AS PER PLAN	4
				2							2	625	00461	2	EACH	CONNECTION, UNFUSED PULL APART, AS PER PLAN	4
				15		8					23	625	00480	23	EACH	CONNECTION, UNFUSED PERMANENT	
				38							38	625	02501	38	EACH	TRANSFORMER BASE, TYPE AT-A, AS PER PLAN	4
						1					1	625	10490	1	EACH	LIGHT POLE, CONVENTIONAL, AT15B36	
				2							2	625	10490	2	EACH	LIGHT POLE, CONVENTIONAL, AT15B40	
				2							2	625	10491	2	EACH	LIGHT POLE, CONVENTIONAL, AS PER PLAN, AT12BB40	4
				2							2	625	10494	2	EACH	LIGHT POLE, LOW MAST, ATLM50	
				2							2	625	11100	2	EACH	LIGHT TOWER, BB90	
				3							3	625	11200	3	EACH	LIGHT TOWER, BB100	
				2							2	625	11300	2	EACH	LIGHT TOWER, BB110	
						1					1	625	12200	1	EACH	LIGHT TOWER, BBB100	
				1							1	625	12300	1	EACH	LIGHT TOWER, BBB110	
				8		1					9	625	13500	9	EACH	LIGHT TOWER, MISC.: REPLACE LUMINAIRE LOWERING MECHANISM	4, 5
				8		1					9	625	13500	9	EACH	LIGHT TOWER, MISC.: REPLACE HOISTING CABLES AND WINCH CABLE	5
				2		1					3	625	14100	3	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP	
				2							2	625	14200	2	EACH	LIGHT POLE FOUNDATION, 24" X 10' DEEP	
				4							4	625	15001	4	EACH	LIGHT TOWER FOUNDATION, 36" X 15' DEEP, AS PER PLAN	5
				4		1					5	625	15200	5	EACH	LIGHT TOWER FOUNDATION, 36" X 25' DEEP	
				676		102					778	625	23400	778	FT	NO. 10 AWG POLE AND BRACKET CABLE	
				4,755		195					4,950	625	24300	4,950	FT	1-1/2" DUCT CABLE WITH TWO NO. 2 AWG 2400 VOLT CABLES	
				100		215					315	625	24320	315	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
				765		170					935	625	24330	935	FT	1-1/2" DUCT CABLE WITH THREE NO. 2 AWG 2400 VOLT CABLES	
				6		1					7	625	26253	7	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 480V	5
				12							12	625	26263	12	EACH	LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN, 480V	5
				2							2	625	26273	2	EACH	LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN, 480V	5
				36							36	625	27503	36	EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN, 480V	6
				18							18	625	27520	18	EACH	REMOVAL OF LUMINAIRE AND REERECTION	
				12			6				18	625	27561	18	EACH	LUMINAIRE, INSTALLATION ONLY, AS PER PLAN	6
				5,440			540				5,980	625	29002	5,980	FT	TRENCH, 24" DEEP	
				4			1				5	625	30700	5	EACH	PULL BOX, 725.08, 18"	
				1							1	625	30706	1	EACH	PULL BOX, 725.08, 24"	
				3							4	625	31510	4	EACH	PULL BOX REMOVED	
				12			2				14	625	32000	14	EACH	GROUND ROD	
				2			6				8	625	34001	8	EACH	POWER SERVICE, AS PER PLAN	6
				38							38	625	35011	38	EACH	REMOVE AND REERECT EXISTING LIGHT POLE, AS PER PLAN	6
				8			1				9	625	35020	9	EACH	RE-ERECT EXISTING LIGHT TOWER	
				5,440			540				5,980	625	36010	5,980	FT	UNDERGROUND WARNING/MARKING TAPE	
				15			2				LS	SPECIAL	62540000	LS	EACH	MAINTAIN EXISTING LIGHTING	7
											17	625	75350	17	EACH	LIGHT TOWER REMOVED	
				1							1	625	75401	1	EACH	LIGHT POLE REMOVED, AS PER PLAN	6
				5			1				6	625	75500	6	EACH	LIGHT POLE FOUNDATION REMOVED	
				38			12				50	625	75506	50	EACH	LUMINAIRE REMOVED	
				2			6				8	625	75511	8	EACH	POWER SERVICE REMOVED, AS PER PLAN	6
				7							8	625	75540	8	EACH	LIGHT TOWER FOUNDATION REMOVED	
				1							1	625	75541	1	EACH	LIGHT TOWER FOUNDATION REMOVED, AS PER PLAN	6
				36							36	625	98000	36	EACH	LIGHTING, MISC.: REMOVAL OF UNDERPASS LIGHTING COMPONENTS	6, 7
LS											LS	625	98200	LS	EACH	LIGHTING, MISC.: TEST CIRCUITS	7
				1							1	631	85302	1	EACH	DISCONNECT SWITCH WITH ENCLOSURE, 30 AMP	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
FLK

REVIEWER  
FLK 11/17/23

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SHEET NUM.

PART.

ITEM

ITEM

GRAND

UNIT

DESCRIPTION

SEE SHEET NO.

01/MS/44

60 614 11110 60 HOUR  
 100 630 97800 100 SF

**MAINTENANCE OF TRAFFIC**

LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE TEST CIRCUITS  
 SIGNING, MISC.: ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY THE ENGINEER

9

**INCIDENTALS**

LS 614 11000 LS  
 LS 624 10000 LS

MAINTAINING TRAFFIC  
 MOBILIZATION

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

FLK

REVIEWER

FLK 11/17/23

PROJECT ID

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LOCATION NO.	CIRCUIT	NEW POLE NUMBER	STATION TO STATION	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	202	631
				REMOVAL OF LUMINAIRE AND REERECT	LUMINAIRE, INSTALLATION ONLY, AS PER PLAN	TRENCH, 24" DEEP	PULL BOX, 725.08, 18"	PULL BOX, 725.08, 24"	PULL BOX REMOVED	GROUND ROD	POWER SERVICE, AS PER PLAN	REMOVE AND REERECT EXISTING LIGHT POLE, AS PER PLAN	RE-ERECT EXISTING LIGHT TOWER	UNDERGROUND WARNING/MARKING TAPE	LIGHT POLE REMOVED, AS PER PLAN	LIGHT TOWER REMOVED	LIGHT POLE FOUNDATION REMOVED	LUMINAIRE REMOVED	POWER SERVICE REMOVED, AS PER PLAN	LIGHT TOWER FOUNDATION REMOVED	LIGHT TOWER FOUNDATION REMOVED, AS PER PLAN	LIGHTING, MISC.: REMOVAL OF UNDERPASS LIGHTING COMPONENTS	REMOVAL OF EXISTING CONTROL CENTER AND FOUNDATION	DISCONNECT SWITCH WITH ENCLOSURE, 30 AMP	
				EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
11	2DEN2		IR-71 NB AT FULTON RD.			185	1		1					185											
12	BP1		RAMP B-1 TO IR-71 NB / SB			205								205											
		BP-1-28	445+32 447+37								1							1							
13	RRW		IR-71 AT SR-82			107								107											
		RRW-5	611+25 612+32 612+32 612+75		3	43				1				43		1		6		1					
14	MC		CONTROL CENTER MC										1											1	
15	PC		CONTROL CENTER PC										1											1	
16	A		CONTROL CENTER A										1											1	
17	EDY		CONTROL CENTER EDY										1											1	
18	MGR		CONTROL CENTER MGR										1											1	
19	SWM	SWM6	12+86 IR-271		3										1		1		6						
20	CR		CONTROL CENTER CR										1											1	
TOTALS CARRIED TO GENERAL SUMMARY					6	540	1		1	2		6		1	540	2	1	12	6	1			4		

LIGHTING SUBSUMMARY

DESIGN AGENCY



DESIGNER  
FLK

REVIEWER  
FLK 10/24/23

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