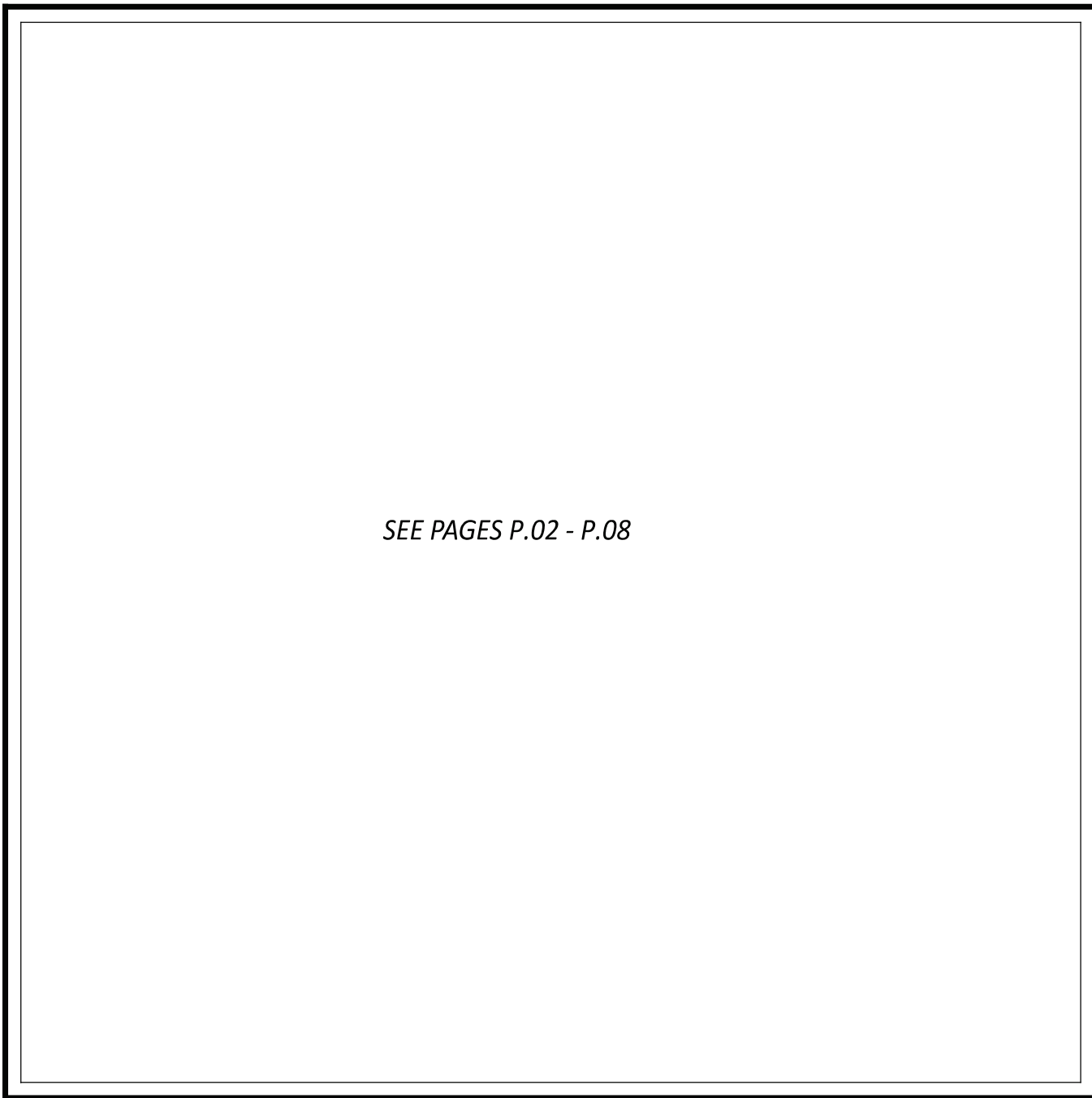


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

D11-LG-FY2024

LIGHTING MAINTENANCE CONTRACT

VILLAGE OF CADIZ BELMONT, CARROLL, COLUMBIANA, HARRISON, HOLMES, JEFFERSON, AND TUSCARAWAS COUNTIES



SEE PAGES P.02 - P.08

LOCATION MAP

LATITUDE: 40°27'19" LONGITUDE: 81°24'29"



INDEX OF SHEETS:

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SUBSUMMARY (HAS-22/250/9)	P.28
LIGHTING PLAN & DETAILS (HAS-22/250/9)	P.29-P.30

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

DISTRICT-WIDE HIGHWAY LIGHTING AND SIGN LIGHTING MAINTENANCE CONTRACT.
THIS PROJECT WILL ALSO INSTALL HIGHWAY LIGHTING AT THE RAMPS AT THE US 22/US 250 INTERCHANGE IN THE VILLAGE OF CADIZ IN HARRISON COUNTY

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.4 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA = N/A (NOI NOT REQUIRED) *
* ROUTINE MAINTENANCE PROJECT

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THESE IMPROVEMENTS WILL NOT REQUIRE THE CLOSING OF THE HIGHWAYS TO TRAFFIC AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH IN THE PLANS AND ESTIMATES.

Thomas D. Corey
Thomas D. Corey
District 11 Deputy Director

DIRECTOR, DEPARTMENT OF TRANSPORTATION

John Mahan

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
ODOT DISTRICT 11
ENGINEERING

Updated Signature

ENGINEER'S SEAL

DAVID ADAM HOFFMAN
E-79007
REGISTERED PROFESSIONAL ENGINEER

DA Hoffman
Digitally signed by dhoffma1
Date: 2023.07.21
17:31:43-04'00'

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
DM-4.3	1/15/16	HL-10.12	1/20/23	MT-95.30	7/19/19	TC-21.21	1/20/23	800-2019 SEE PROPOSAL	
DM-4.4	1/15/16	HL-10.13	1/20/23	MT-95.31	7/19/19	TC-22.10	4/21/23	813 10/19/18	
		HL-20.11	10/21/22	MT-97.10	4/19/19	TC-52.10	10/18/13	821 4/20/12	
		HL-20.13	7/15/22	MT-98.10	1/17/20	TC-52.20	1/15/21	825 4/21/23	
		HL-30.11	1/15/21	MT-98.11	1/17/20	TC-81.11	1/20/23	832 7/15/22	
		HL-30.21	4/17/20	MT-98.20	4/19/19	TC-83.10	1/17/20	913 4/16/21	
		HL-30.22	1/15/21	MT-98.22	1/17/20	TC-83.20	7/15/22	921 4/20/12	
		HL-40.10	7/17/20	MT-98.28	1/17/20	TC-84.20	10/18/13		
		HL-50.11	1/16/15	MT-101.90	7/17/20	TC-84.21	10/18/13		
		HL-60.11	7/21/17	MT-105.10	1/17/20				
		HL-60.12	7/16/21						
		HL-60.31	1/17/20						

TITLE SHEET

DESIGN AGENCY



DESIGNER	RDA
REVIEWER	DAH 03-17-23
PROJECT ID	107568
SHEET	TOTAL
P.01	30


D11-LG-FY2024

MODEL: Sheet PAPER: 34x22 (in.) DATE: 7/21/2023 TIME: 5:08:01 PM USER: dhoffma1 pvc:\ohio\dot-pw-bentley.com\ohio\dot-pw-02\Documents\01 Active Projects\District 11_D11107568\400-Engineering\Roadway\Sheets\107568_GT001.dgn

SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
	P.12	P.13		P.28						01/NFP/21	EXT	TOTAL				
															LIGHTING	
										2	625	70001	2	EACH	LIGHTING CONTACTOR, AS PER PLAN (30 AMP)	P.14
										2	625	70001	2	EACH	LIGHTING CONTACTOR, AS PER PLAN (60 AMP)	P.14
										2	625	70001	2	EACH	LIGHTING CONTACTOR, AS PER PLAN (100 AMP)	P.14
										82	625	98000	82	EACH	LIGHTING, MISC.: ANNUAL OPERATION AND INSPECTION OF TOWER LIGHTING DEVICES	P.15
										1	625	98000	1	EACH	LIGHTING, MISC.: DISCONNECT SWITCH WITH ENCLOSURE, 60 AMP	P.16
										1	625	98000	1	EACH	LIGHTING, MISC.: DISCONNECT SWITCH WITH ENCLOSURE, 100 AMP	P.16
										2	625	98000	2	EACH	LIGHTING, MISC.: DISCONNECT SWITCH, 30 AMP	P.16
										2	625	98000	2	EACH	LIGHTING, MISC.: DISCONNECT SWITCH, 60 AMP	P.16
										2	625	98000	2	EACH	LIGHTING, MISC.: DISCONNECT SWITCH, 100 AMP	P.16
										2	625	98000	2	EACH	LIGHTING, MISC.: H.O.A. SWITCH	P.16
										1	625	98000	1	EACH	LIGHTING, MISC.: LIGHTNING ROD REPAIR	P.14
										3	625	98000	3	EACH	LIGHTING, MISC.: LIGHTNING SURGE ARRESTOR SYSTEM REPAIR	P.14
										3	625	98000	3	EACH	LIGHTING, MISC.: PHOTO-CELL TRANSFORMER, 0.75 KVA	P.15
										2	625	98000	2	EACH	LIGHTING, MISC.: REMOVE AND REERECT STANDING LIGHT POLE ON A NEW BASE	P.12
										10	625	98000	10	EACH	LIGHTING, MISC.: TOWER LIGHTING CONNECTORS	P.15
										1,500	625	98100	1,500	FT	LIGHTING, MISC.: REMOVING CABLE IN EXISTING DUCT OR CONDUIT	P.15
										100	625	98700	100	HOUR	LIGHTING, MISC.: LOCATING AND MARKING UNDERGROUND WIRE	P.16
										200	625	98700	200	HOUR	LIGHTING, MISC.: TROUBLESHOOTING UNDERGROUND AND ABOVE GROUND CIRCUITRY PROBLEM	P.15
															LIGHTING	
															US 22, US 250, & SR 9 INTERCHANGE	
										1	202	75800	1	EACH	DISCONNECT EXISTING CIRCUIT	
										8	625	00450	8	EACH	CONNECTION, FUSED PULL APART	
										18	625	00480	18	EACH	CONNECTION, UNFUSED PERMANENT	
										3	625	10490	3	EACH	LIGHT POLE, CONVENTIONAL, DESIGN AT18B35	Added Item for Design AT25B35, updated Quantity for Design AT18B35
										1	625	10490	1	EACH	LIGHT POLE, CONVENTIONAL, DESIGN AT25B35	
										4	625	14000	4	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP	
										888	625	23200	888	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
										717	625	23400	717	FT	NO. 10 AWG POLE AND BRACKET CABLE	
										994	625	24320	994	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
										266	625	25902	266	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
										4	625	26253	4	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, IES-11M, LED, 10500-12073 LUMENS	P.27
										980	625	29002	980	FT	TRENCH, 24" DEEP	Updated Item Description
										4	625	30706	4	EACH	PULL BOX, 725.08, 24"	
										5	625	32000	5	EACH	GROUND ROD	
										1	625	34001	1	EACH	POWER SERVICE, AS PER PLAN (B)	P.27
										980	625	36010	980	FT	UNDERGROUND WARNING/MARKING TAPE	
										1	625	75400	1	EACH	LIGHT POLE REMOVED	Added Luminaire Removed Quantity
										2	625	75506	2	EACH	LUMINAIRE REMOVED	
										1	625	76000	1	EACH	ARC FLASH CALCULATIONS AND LABEL. (US 22, US 250, & SR 9 INTERCHANGE RAMPS)	
															TRAFFIC CONTROL	
										1	631	85000	1	EACH	DISCONNECT SWITCH, 30 AMP	
										1	631	85101	1	EACH	DISCONNECT SWITCH WITH ENCLOSURE, TYPE X, AS PER PLAN	P.11
										10	631	87102	10	EACH	BALLAST, TYPE CMRI-100-480	
															MAINTENANCE OF TRAFFIC	
			50							50	614	11110	50	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
															INCIDENTALS	
										LS	614	11000	LS		MAINTAINING TRAFFIC	
										LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
LNW

REVIEWER
DAH 03-17-23

PROJECT ID
107568

SHEET TOTAL
P.20 | 30

Updated quantities highlighted in YELLOW

Added Item for Design AT25B35, updated Quantity for Design AT18B35

Updated Item Description

Added Luminaire Removed Quantity

ITEM 625 - POWER SERVICE, AS PER PLAN (B)

THE POWER SUPPLYING AGENCY FOR THE US 22, US 250, AND SR 9 INTERCHANGE RAMPS PART OF THIS PROJECT IS:

AEP OHIO POWER COMPANY
 ATTN: CUSTOMER SERVICE CENTER
 1-800-277-2177

Updated Note

POWER SERVICE AT THIS LOCATION SHALL BE AS PER CMS ITEM 625 AND SCD HL-40.10 WITH THE FOLLOWING EXCEPTIONS:

1. THE CONTRACTOR SHALL MEET WITH A REPRESENTATIVE FROM THE POWER SUPPLY AGENCY TO CONFIRM HOW THE PROPOSED POWER SERVICE IS TO BE WIRED, HOOKED UP, AND ITS LOCATION.
2. ALL POWER SERVICES SHALL BE METERED. THE METER SHALL HAVE A LEVER OPERATED BYPASS.

THE CONTRACTOR SHALL CONTACT THE METER SECTION OF THE POWER COMPANY FOR INFORMATION REGARDING THE METER BASE INSTALLATION PRIOR TO ORDERING POLES. THE CONTRACTOR WILL BE RESPONSIBLE FOR REQUESTING AND SCHEDULING ANY INSPECTIONS THE POWER COMPANY MAY REQUIRE FOR THE POWER SERVICE HOOK UP. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE POWER COMPANY THREE MONTHS PRIOR FOR THE NEED TO HAVE THE ELECTRICAL SERVICE CONNECTION MADE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SPLICE POWER CABLE INTO THE POWER COMPANY'S CIRCUITS. THE NOMINAL VOLTAGE SUPPLIED SHALL BE:

120/240 VOLTS 1 φ 3W GROUNDED NEUTRAL

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AND THE PAYING OF ALL FEES. THE CONTRACTOR SHALL PAY ALL POWER CHARGES UNTIL THE LIGHTING IS ACCEPTED BY THE MAINTAINING AGENCY.

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS. THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THIS PROJECT.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625, "POWER SERVICE, AS PER PLAN (B)" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

WORK INSPECTION

THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER WITH 72-HOUR NOTICE OF ANY SIGNAL WORK TO BE PERFORMED AT THE INTERSECTION SITE(S) SO THAT INSPECTION SERVICES CAN BE SUPPLIED.

ITEM 625 - LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES-11-M, LED, 10500-12073 LUMENS, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS SHALL BE AS FOLLOWS:

LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS WITH AN IES II-M-SC DISTRIBUTION AND 10,500-12,073 LUMEN OUTPUT SHALL BE ONE OF THE FOLLOWING:

1. AMERICAN ELECTRIC LIGHTING ATBM-P20-MVOLT-R2
2. LEOTEK EC3-12M2-MV-WW-2-700
3. GE ERLH-0-11-B3-30
4. OR EQUAL, AS APPROVED BY THE ENGINEER

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625, "LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES-11-M, LED, 10500-12073 LUMENS, AS PER PLAN" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ARC FLASH CALCULATIONS AND LABEL, (US 22, US 250, & SR 9 INTERCHANGE RAMPS)

THIS ITEM OF WORK SHALL CONSIST OF PERFORMING ARC FLASH CALCULATIONS AND APPLYING AN EXTERNAL LABEL AS DESCRIBED IN SUPPLEMENTAL SPECIFICATION 825. THIS WORK SHALL BE PERFORMED FOR EACH DISCONNECT SWITCH, SIGNAL CABINET, AND UPS ENCLOSURE. THE LABEL USED SHALL BE ODOT VERSION A (PREFERRED). THE FOLLOWING INTERSECTIONS SHALL HAVE THE CALCULATIONS PERFORMED AND LABELS APPLIED:

US 22, US 250, & SR 9 INTERCHANGE RAMPS

PAYMENT FOR ITEM 625 ARC FLASH CALCULATIONS AND LABEL, (US 22, US 250, & SR 9 INTERCHANGE RAMPS) SHALL BE MADE FOR EACH LOCATION AND SHALL BE FULL COMPENSATION FOR ALL LABOR, EQUIPEMENT, MATERIALS, AND INCIDENTALS REQUIRED TO COMPLETE THE WORK.

PADLOCKS AND KEYS

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYED IN ACCORDANCE WITH C&MS 631.06. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

Added Table

U.S. 22, U.S. 250, & S.R. 9 INTERCHANGE LIGHTING, PID 107568 PROJECT CONTROL POINTS								
POINT ID	NORTHING	EASTING	ELEVATION	CODE	STATION	OFFSET	ALIGNMENT	DESCRIPTION
CL1	228081.708	2385796.888	N/A	POT	912+85.67 R1	CL	CL_EXRW_US22	
CL2	229105.350	2387390.269	N/A	POT	931+79.53 R1	CL	CL_EXRW_US22	
CL3	230184.586	2387157.589	N/A	PC	111+36.00 R1	CL	CL_EXRW_SR9	
CL4	229468.257	2386972.005	N/A	PCC	118+82.43 R1	CL	CL_EXRW_SR9	
CL5	229301.630	2386974.116	N/A	PT	BK 120+49.11 R1 / AH 120+49.19 R2	CL	CL_EXRW_SR9	
CL6	229009.678	2386988.974	N/A	PC	123+41.52 R2	CL	CL_EXRW_SR9	
CL7	228558.155	2386994.137	N/A	PT	127+93.19 R2	CL	CL_EXRW_SR9	
CL8	227851.621	2386974.362	N/A	POT	135+00.00 R2	CL	CL_EXRW_SR9	
CP203	229893.761	2387019.818	1206.69	CNPT	114+55.92 R1	18.95	CL_EXRW_SR9	IPINS W/ ODOT CAP LEVELED
CP202	229462.986	2386889.033	1212.39	CNPT	118+89.54 R1	82.82	CL_EXRW_SR9	IPINS W/ ODOT CAP LEVELED
CP05	229121.133	2387597.263	1212.53	CMON	122+61.13 R2	-613.17	CL_EXRW_SR9	BM
CP200	228587.946	2387657.117	1220.54	CNPT	127+49.87 R2	-662.07	CL_EXRW_SR9	IPINS W/ ODOT CAP LEVELED
CP201	228490.970	2387087.551	1214.18	CNPT	128+57.73 R2	-95.26	CL_EXRW_SR9	IPINS W/ ODOT CAP LEVELED

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: OPUS
 MONUMENT TYPE: TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
 GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (2011)
 ELLIPSOID: GRS 1980
 MAP PROJECTION: LAMBERT CONFORMAL CONIC
 COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE
 COMBINED SCALE FACTOR: 1.00002514
 ORIGIN OF COORDINATE SYSTEM: 0, 0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

UNDERDRAINS FOR PULL BOXES

REFERENCE TRAFFIC SCD HL-30.11 FOR DETAILS ABOUT DRAINING PULL BOXES. UNDERDRAINS FOR PULL BOXES SHALL BE USED AS DIRECTED BY THE ENGINEER AND SHALL BE PROVIDED WHERE THE LENGTH REQUIRED FOR A SATISFACTORY OUTLET DOES NOT EXCEED 20 FEET. THE FOLLOWING ESTIMATED QUANTITY IS CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE:

ITEM 611 4" CONDUIT, TYPE E 100 FT.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 290 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FEDERAL AVIATION ADMINISTRATION
 SOUTHWEST REGIONAL OFFICE
 OBSTRUCTION EVALUATION GROUP
 10101 HILLWOOD PARKWAY
 FORT WORTH, TX 76177
 FAX: (817) 222-5920
 HTTP://CEAAA.FAA.GOV

OHIO DEPARTMENT OF TRANSPORTATION
 OFFICE OF AVIATION
 2829 WEST DUBLIN-GRANVILLE ROAD
 COLUMBUS, OHIO 43235
 OHIO.AIRPORT.PROTECTION@DOT.OHIO.GOV



REFERENCE NO.	SHEET NO.	COMMENT	202				625															ARC FLASH CALCULATIONS AND LABEL, (US 22, US 250, & SR 9 INTERCHANGE RAMPS)		
			DISCONNECT EXISTING CIRCUIT	POWER SERVICE, AS PER PLAN (B)	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), (IES-11-M, LED, 10500-12073 LUMENS, AS PER PLAN)	LIGHT POLE, CONVENTIONAL, DESIGN AT18B35	LIGHT POLE, CONVENTIONAL, DESIGN AT25B35	LIGHT POLE FOUNDATION 24"X6" DEEP	UNDERGROUND WARNING/ MARKING TAPE	TRENCH, 24" DEEP	PULL BOX, 725.08, 24"	CONDUIT, JACKED OR DRILLED, 725.04, 3"	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	NO. 10 AWG POLE AND BRACKET CABLE	CONNECTION, FUSED PULL APART	CONNECTION, UNFUSED PERMANENT	GROUND ROD	LIGHT POLE REMOVED	LUMINAIRE REMOVED				
EXISTING LIGHTING																								
R-1	29	EXISTING POLE R-1																						
R-2	29	EXISTING POLE R-2	1																					
CONTROL CENTER A - CIRCUIT A																								
CC-1	29	CONTROL CENTER A		1																		3	1	1
PB-1	29	CONTROL CENTER A TO PULL BOX PB-1						26	26	1														
LP-1	29	PULL BOX PB-1 TO POLE LP-1			1		1					72	246		195	2								1
PB-2	29	PULL BOX PB-1 TO PULL BOX PB-2								1		124	402											
LP-2	29	PULL BOX PB-2 TO POLE LP-2			1	1	1	12	12					22	174	2								1
PB-3	29-30	PULL BOX PB-2 TO PULL BOX PB-3						394	394	1				404										
PB-4	30	PULL BOX PB-3 TO PULL BOX PB-4						394	394	1				404										
LP-3	30	PULL BOX PB-4 TO POLE LP-3			1	1	1	154	154					164	174	2								1
LP-4	30	PULL BOX PB-4 TO LP-4			1	1	1					70	240		174	2								1
TOTALS CARRIED TO GENERAL SUMMARY			1	1	4	3	1	4	980	980	4	266	888	994	717	8	18	5	1	2			1	

Updated Item Description

Added Item

Added Item

Updated the quantities highlighted in YELLOW

U.S. 22, U.S. 250, & S.R. 9 INTERCHANGE RAMPS LIGHTING SUBSUMMARY

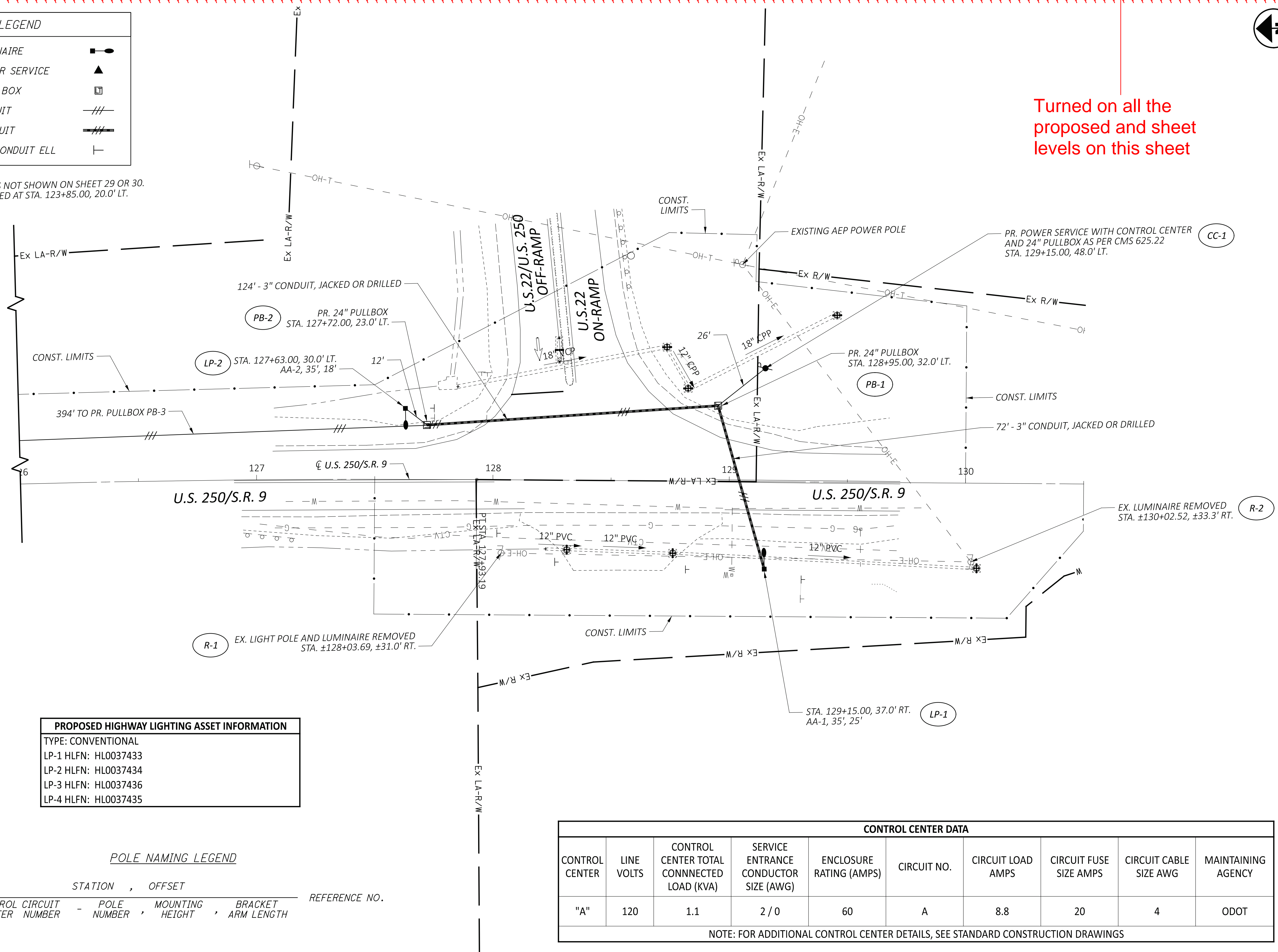
DESIGN AGENCY

 DESIGNER
 GBS
 REVIEWER
 DAH 07-18-23
 PROJECT ID
 107568
 SHEET TOTAL
 P.28 30

LEGEND	
PROPOSED LUMINAIRE	
PROPOSED POWER SERVICE	
PROPOSED PULL BOX	
PROPOSED CIRCUIT	
PROPOSED CONDUIT	
STUB AND CAP CONDUIT ELL	

NOTE: PULLBOX PB-3 IS NOT SHOWN ON SHEET 29 OR 30.
 PULLBOX PB-3 IS LOCATED AT STA. 123+85.00, 20.0' LT.

Turned on all the
 proposed and sheet
 levels on this sheet

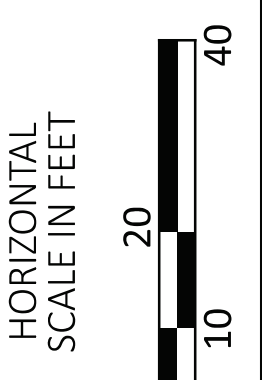


PROPOSED HIGHWAY LIGHTING ASSET INFORMATION	
TYPE:	CONVENTIONAL
LP-1 HLFN:	HL0037433
LP-2 HLFN:	HL0037434
LP-3 HLFN:	HL0037436
LP-4 HLFN:	HL0037435

POLE NAMING LEGEND				
CONTROL CIRCUIT CENTER NUMBER	POLE NUMBER	MOUNTING HEIGHT	BRACKET ARM LENGTH	REFERENCE NO.
---	---	'	'	

CONTROL CENTER DATA									
CONTROL CENTER	LINE VOLTS	CONTROL CENTER TOTAL CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE (AWG)	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD AMPS	CIRCUIT FUSE SIZE AMPS	CIRCUIT CABLE SIZE AWG	MAINTAINING AGENCY
"A"	120	1.1	2 / 0	60	A	8.8	20	4	ODOT

NOTE: FOR ADDITIONAL CONTROL CENTER DETAILS, SEE STANDARD CONSTRUCTION DRAWINGS



LIGHTING PLAN
 U.S. 22, U.S. 250, & S.R. 9 INTERCHANGE RAMP

DESIGN AGENCY

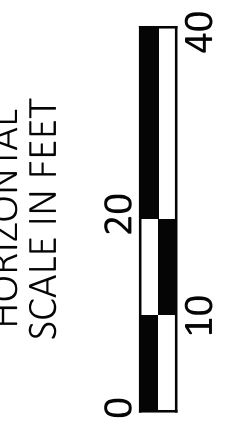
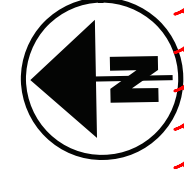
DESIGNER
 GBS

REVIEWER
 DAH 07-18-23

PROJECT ID
 107568

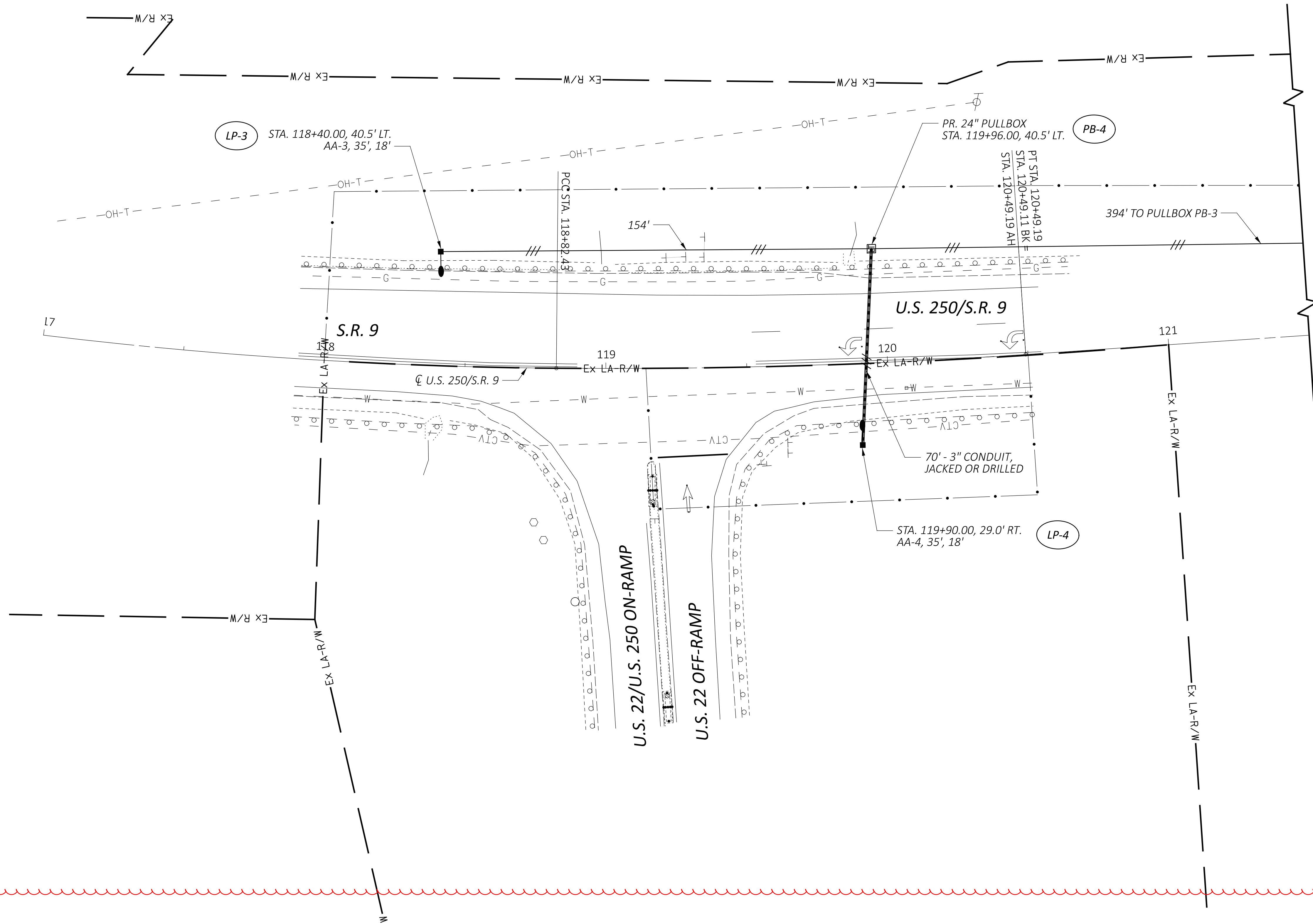
SHEET TOTAL
 P.29 30

NOTE: SEE SHEET 29 FOR LEGEND, POLE NAMING LEGEND, CONTROL CENTER DATA, AND HIGHWAY LIGHTING ASSET INFORMATION.



Turned on all the
proposed and sheet
levels on this sheet

NOTE: PULLBOX PB-3 IS NOT SHOWN ON SHEET 29 OR 30.
PULLBOX PB-3 IS LOCATED AT STA. 123+85.00, 20.0, RT.



LIGHTING PLAN
U.S. 22, U.S. 250, & S.R. 9 INTERCHANGE RAMP

DESIGN AGENCY



DESIGNER	GBS
REVIEWER	
PROJECT ID	107568
SHEET	TOTAL
P.30	30