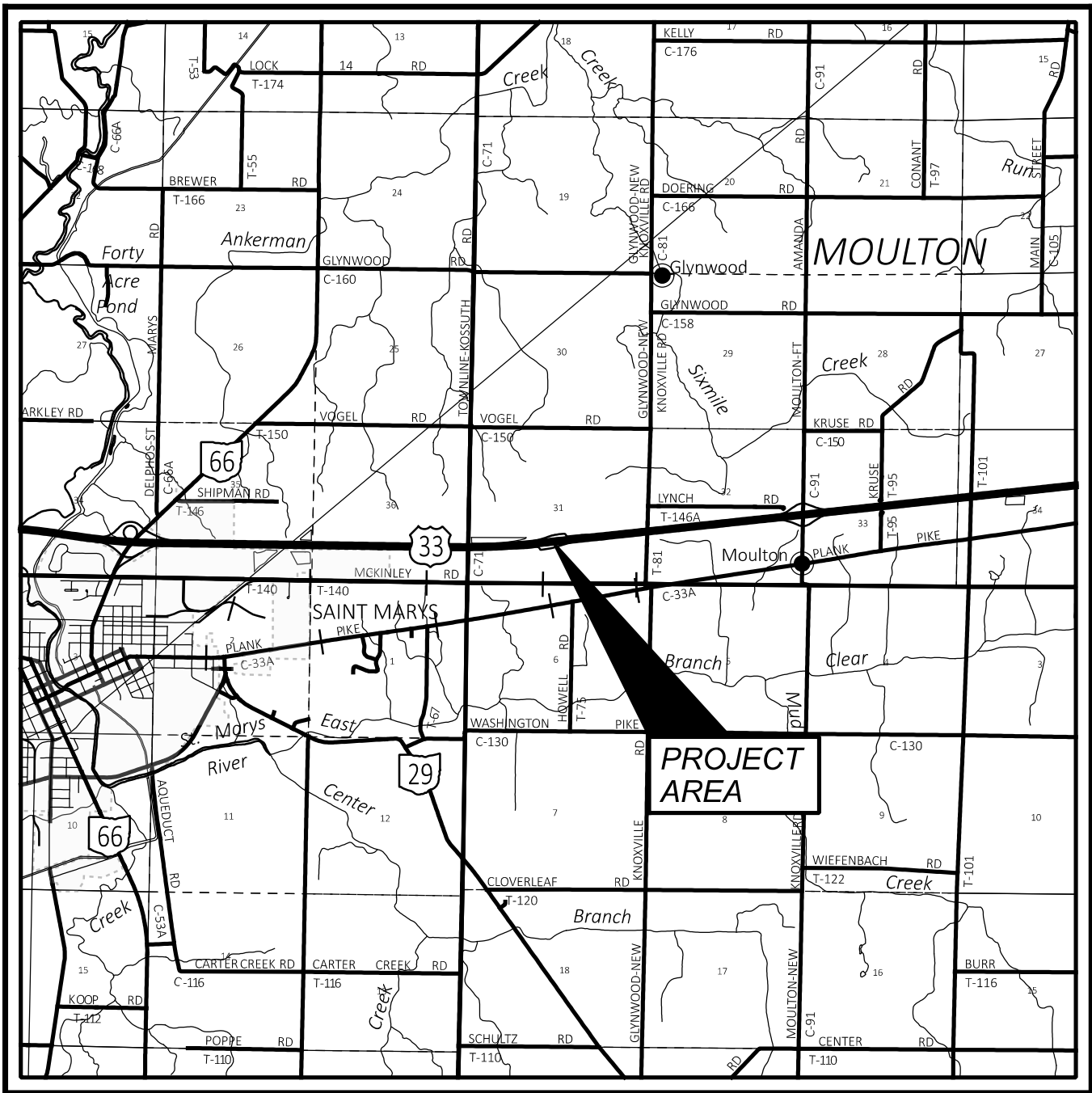




LOCATION MAP

LATITUDE: 40°33'28" LONGITUDE: 84°19'45"



|                               |  |
|-------------------------------|--|
| PORTION TO BE IMPROVED .....  |  |
| INTERSTATE HIGHWAY .....      |  |
| FEDERAL ROUTES .....          |  |
| STATE ROUTES .....            |  |
| COUNTY & TOWNSHIP ROADS ..... |  |
| OTHER ROADS .....             |  |

|                                         |                               |
|-----------------------------------------|-------------------------------|
| <b>DESIGN DESIGNATION</b>               | <b>US 33</b>                  |
| CURRENT ADT (2026) .....                | 17,500                        |
| DESIGN YEAR ADT (2046) .....            | 20,000                        |
| DESIGN HOURLY VOLUME (2046) .....       | 2,100                         |
| DIRECTIONAL DISTRIBUTION .....          | 52%                           |
| TRUCKS (24 HOUR B&C) .....              | 19%                           |
| DESIGN SPEED .....                      | 70 MPH                        |
| LEGAL SPEED .....                       | 70 MPH                        |
| DESIGN FUNCTIONAL CLASSIFICATION: ..... | 03 PRINCIPAL ARTERIAL (RURAL) |
| NHS PROJECT .....                       | YES                           |

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

**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)

**LJB Inc.**

2500 Newmark Drive  
Miamisburg, OH 45342  
(866) 552-3536 | LJBinc.com

PLAN PREPARED BY:

ENGINEER'S SEAL

EXCEPT LIGHTING

ENGINEER'S SEAL

LIGHTING

INDEX OF SHEETS:

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| STANDARD CONSTRUCTION DRAWINGS |         |          |         |          |          |  |  | SUPPLEMENTAL SPECIFICATIONS | SPECIAL PROVISIONS |
|--------------------------------|---------|----------|---------|----------|----------|--|--|-----------------------------|--------------------|
| BP-2.1                         | 1/21/22 | MH-3     | 7/19/24 | MT-95.45 | 7/21/23  |  |  | 800-2023 1/16/26            |                    |
| BP-2.2                         | 1/16/26 |          |         | MT-98.29 | 1/17/20  |  |  | 813 7/21/23                 |                    |
| BP-3.1                         | 1/19/24 | RM-5.1   | 7/18/14 |          |          |  |  | 814 7/15/16                 |                    |
| BP-4.1                         | 7/19/13 |          |         | TC-41.10 | 1/16/26  |  |  | 825 7/19/24                 |                    |
| BP-5.1                         | 1/16/26 | HW-2.1   | 7/15/22 | TC-41.20 | 10/18/13 |  |  | 832 7/18/25                 |                    |
| BP-6.1                         | 7/19/13 |          |         | TC-41.30 | 4/21/23  |  |  | 902 1/16/26                 |                    |
|                                |         | HL-10.12 | 1/16/26 | TC-42.10 | 10/18/13 |  |  |                             |                    |
| CB-6                           | 7/19/24 | HL-10.13 | 1/20/23 | TC-42.20 | 10/18/13 |  |  |                             |                    |
|                                |         | HL-10.31 | 1/16/26 | TC-52.10 | 10/18/13 |  |  |                             |                    |
| DM-1.1                         | 1/17/25 | HL-20.11 | 1/16/26 | TC-52.20 | 1/15/21  |  |  |                             |                    |
| DM-1.2                         | 1/17/25 | HL-20.21 | 1/16/26 | TC-71.10 | 1/16/26  |  |  |                             |                    |
| DM-4.1                         | 7/17/20 | HL-30.11 | 1/16/26 | TC-73.20 | 1/16/26  |  |  |                             |                    |
| DM-4.2                         | 7/20/12 | HL-30.22 | 1/17/25 |          |          |  |  |                             |                    |
| DM-4.3                         | 1/15/16 | HL-40.20 | 7/18/25 |          |          |  |  |                             |                    |
| DM-4.4                         | 1/15/16 | HL-60.21 | 7/20/18 |          |          |  |  |                             |                    |
|                                |         | HL-60.31 | 1/16/26 |          |          |  |  |                             |                    |

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION  
**AUG-US 33 REST AREA TP**  
MOULTON TOWNSHIP  
AUGLAIZE COUNTY

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

PROJECT CONSISTS OF FULL DEPTH RECONSTRUCTION AND WIDENING OF EXISTING PARKING LOT AND THE EXIT/ENTRANCE RAMPS FROM GORE OF THE EXIT RAMP TO THE GORE OF THE ENTRANCE RAMP TO ACCOMMODATE ADDITIONAL TRUCK PARKING STALLS. THE PROJECT ALSO INCLUDES GRADING, DRAINAGE, LIGHTING, SIGNING AND PAVEMENT MARKINGS WITH THE PROJECT LIMITS.

EARTH DISTURBED AREAS

|                                            |             |
|--------------------------------------------|-------------|
| PROJECT EARTH DISTURBED AREA:              | 11.55 ACRES |
| ESTIMATED CONTRACTOR EARTH DISTURBED AREA: | 1.32 ACRES  |
| NOTICE OF INTENT EARTH DISTURBED AREA:     | 12.87 ACRES |

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.

2023 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

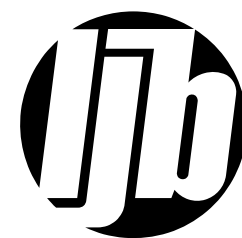
Christopher A. Hughes, P.E.  
District 01 Deputy Director

Pamela Boratyn  
Director, Department of Transportation

REVISED THE DATE FROM 08/17/2026 TO 09/22/2026

TITLE SHEET

DESIGN AGENCY



DESIGNER

KGR

REVIEWER

RN 09/22/26

PROJECT NO.

122894

SHEET

P.1

TOTAL

143

| SHEET NUMBER |       |  |     |     |  |     |       |       |  |  |  |  | PART.  | ITEM | ITEM  | GRAND | UNIT | DESCRIPTION                                                                           | SEE<br>SHEET<br>NO. |
|--------------|-------|--|-----|-----|--|-----|-------|-------|--|--|--|--|--------|------|-------|-------|------|---------------------------------------------------------------------------------------|---------------------|
|              | 23    |  | 107 | 108 |  | 121 | 122   | 123   |  |  |  |  | 01/NFP |      | EXT   | TOTAL |      |                                                                                       |                     |
|              |       |  |     |     |  |     |       |       |  |  |  |  |        |      |       |       |      | PAVEMENT                                                                              |                     |
|              | 878   |  |     |     |  |     |       |       |  |  |  |  | 878    | 255  | 20000 | 878   | FT   | FULL DEPTH PAVEMENT SAWING                                                            |                     |
|              | 6,293 |  |     |     |  |     |       |       |  |  |  |  | 6,293  | 301  | 56000 | 6,293 | CY   | ASPHALT CONCRETE BASE, PG64-22, (449)                                                 |                     |
|              | 6,547 |  |     |     |  |     |       |       |  |  |  |  | 6,547  | 304  | 20000 | 6,547 | CY   | AGGREGATE BASE                                                                        |                     |
|              | 4,519 |  |     |     |  |     |       |       |  |  |  |  | 4,519  | 407  | 20000 | 4,519 | GAL  | NON-TRACKING TACK COAT                                                                |                     |
|              | 134   |  |     |     |  |     |       |       |  |  |  |  | 134    | 411  | 10000 | 134   | CY   | STABILIZED CRUSHED AGGREGATE                                                          |                     |
|              | 1,568 |  |     |     |  |     |       |       |  |  |  |  | 1,568  | 442  | 10000 | 1,568 | CY   | ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)                                |                     |
|              | 2,610 |  |     |     |  |     |       |       |  |  |  |  | 2,610  | 442  | 10100 | 2,610 | CY   | ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)                             |                     |
|              | 209   |  |     |     |  |     |       |       |  |  |  |  | 209    | 452  | 12010 | 209   | SY   | 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P                                      |                     |
|              | 6,156 |  |     |     |  |     |       |       |  |  |  |  | 6,156  | 609  | 28000 | 6,156 | FT   | CURB, TYPE 7                                                                          |                     |
|              | 762   |  |     |     |  |     |       |       |  |  |  |  | 762    | 609  | 70000 | 762   | SY   | 4" CONCRETE MEDIAN                                                                    |                     |
|              |       |  |     |     |  |     |       |       |  |  |  |  |        |      |       |       |      | LIGHTING                                                                              |                     |
|              |       |  |     |     |  |     | 22    | 24    |  |  |  |  | 46     | 625  | 00450 | 46    | EACH | CONNECTION, FUSED PULL APART                                                          |                     |
|              |       |  |     |     |  |     | 18    | 21    |  |  |  |  | 39     | 625  | 00480 | 39    | EACH | CONNECTION, UNFUSED PERMANENT                                                         |                     |
|              |       |  |     |     |  |     | 11    | 12    |  |  |  |  | 23     | 625  | 10490 | 23    | EACH | LIGHT POLE, CONVENTIONAL AT 20040                                                     |                     |
|              |       |  |     |     |  |     | 5     | 5     |  |  |  |  | 10     | 625  | 13500 | 10    | EACH | LIGHT TOWER, MISC.: LIGHT TOWER, BB45                                                 | 121                 |
|              |       |  |     |     |  |     | 11    | 12    |  |  |  |  | 23     | 625  | 14100 | 23    | EACH | LIGHT POLE FOUNDATION, 24" X 8" DEEP                                                  |                     |
|              |       |  |     |     |  |     | 5     | 5     |  |  |  |  | 10     | 625  | 15700 | 10    | EACH | LIGHT TOWER FOUNDATION, MISC.: 36" X 10' DEEP                                         | 121                 |
|              |       |  |     |     |  |     | 1,728 | 1,596 |  |  |  |  | 3,324  | 625  | 23200 | 3,324 | FT   | NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE                                                |                     |
|              |       |  |     |     |  |     | 2,310 | 2,520 |  |  |  |  | 4,830  | 625  | 23400 | 4,830 | FT   | NO. 10 AWG POLE AND BRACKET CABLE                                                     |                     |
|              |       |  |     |     |  |     | 4,830 | 4,943 |  |  |  |  | 9,773  | 625  | 24320 | 9,773 | FT   | 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES                               |                     |
|              |       |  |     |     |  |     | 335   | 265   |  |  |  |  | 600    | 625  | 25500 | 600   | FT   | CONDUIT, 3", 725.04                                                                   |                     |
|              |       |  |     |     |  |     | 142   | 152   |  |  |  |  | 294    | 625  | 25504 | 294   | FT   | CONDUIT, 3", 725.051                                                                  |                     |
|              |       |  |     |     |  |     | 59    | 65    |  |  |  |  | 124    | 625  | 25902 | 124   | FT   | CONDUIT, JACKED OR DRILLED, 725.04, 3"                                                |                     |
|              |       |  |     |     |  |     |       | 7     |  |  |  |  | 7      | 625  | 26253 | 7     | EACH | LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, TYPE III, 13.5K-15.5 LUMENS  | 121                 |
|              |       |  |     |     |  |     | 6     |       |  |  |  |  | 6      | 625  | 26253 | 6     | EACH | LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, TYPE III, 13.5K-15.5K LUMENS | 121                 |
|              |       |  |     |     |  |     | 5     | 5     |  |  |  |  | 10     | 625  | 26253 | 10    | EACH | LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, TYPE III, 18K-21.5K LUMENS   | 121                 |
|              |       |  |     |     |  |     | 10    | 10    |  |  |  |  | 20     | 625  | 26263 | 20    | EACH | LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN, TYPE V, 61K-63K LUMENS          | 121                 |
|              |       |  |     |     |  |     | 5,004 | 4,955 |  |  |  |  | 9,959  | 625  | 29000 | 9,959 | FT   | TRENCH                                                                                |                     |
|              |       |  |     |     |  |     | 11    | 10    |  |  |  |  | 21     | 625  | 30700 | 21    | EACH | PULL BOX, 725.08, 18"                                                                 |                     |
|              |       |  |     |     |  |     | 21    | 22    |  |  |  |  | 43     | 625  | 32000 | 43    | EACH | GROUND ROD                                                                            |                     |
|              |       |  |     |     |  |     | 1     | 1     |  |  |  |  | 2      | 625  | 34001 | 2     | EACH | POWER SERVICE, AS PER PLAN                                                            | 121                 |
|              |       |  |     |     |  |     | 5,004 | 4,960 |  |  |  |  | 9,964  | 625  | 36010 | 9,964 | FT   | UNDERGROUND WARNING MARKING TAPE                                                      |                     |
|              |       |  |     |     |  |     | 13    | 14    |  |  |  |  | 27     | 625  | 75400 | 27    | EACH | LIGHT POLE REMOVED                                                                    |                     |
|              |       |  |     |     |  |     | 13    | 14    |  |  |  |  | 27     | 625  | 75500 | 27    | EACH | LIGHT POLE FOUNDATION REMOVED                                                         |                     |
|              |       |  |     |     |  | 2   | 13    | 14    |  |  |  |  | 27     | 625  | 75506 | 27    | EACH | LUMINAIRE REMOVED                                                                     |                     |
|              |       |  |     |     |  |     | 2     |       |  |  |  |  | 2      | 625  | 76000 | 2     | EACH | ARC FLASH CALCULATIONS AND LABEL, AT CONTROL CENTER                                   |                     |
|              |       |  |     |     |  |     |       |       |  |  |  |  |        |      |       |       |      | TRAFFIC CONTROL                                                                       |                     |
|              |       |  |     | 690 |  |     |       |       |  |  |  |  | 690    | 630  | 03100 | 690   | FT   | GROUND MOUNTED SUPPORT, NO. 3 POST                                                    |                     |
|              |       |  |     | 35  |  |     |       |       |  |  |  |  | 35     | 630  | 06500 | 35    | FT   | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9                                          |                     |
|              |       |  |     | 44  |  |     |       |       |  |  |  |  | 44     | 630  | 07000 | 44    | FT   | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18                                         |                     |
|              |       |  |     | 20  |  |     |       |       |  |  |  |  | 20     | 630  | 08600 | 20    | EACH | SIGN POST REFLECTOR                                                                   |                     |
|              |       |  |     | 4   |  |     |       |       |  |  |  |  | 4      | 630  | 09000 | 4     | EACH | BREAKAWAY STRUCTURAL BEAM CONNECTION                                                  |                     |
|              |       |  |     | 268 |  |     |       |       |  |  |  |  | 268    | 630  | 80100 | 268   | SF   | SIGN, FLAT SHEET                                                                      |                     |
|              |       |  |     | 141 |  |     |       |       |  |  |  |  | 141    | 630  | 80200 | 141   | SF   | SIGN, GROUND MOUNTED EXTRUSHEET                                                       |                     |
|              |       |  |     | 4   |  |     |       |       |  |  |  |  | 4      | 630  | 82000 | 4     | EACH | SIGN BACKING ASSEMBLY                                                                 |                     |
|              |       |  |     | 4   |  |     |       |       |  |  |  |  | 4      | 630  | 84500 | 4     | EACH | GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION                                     |                     |
|              |       |  | 16  |     |  |     |       |       |  |  |  |  | 16     | 630  | 84900 | 16    | EACH | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL                                           |                     |
|              |       |  | 4   |     |  |     |       |       |  |  |  |  | 4      | 630  | 85100 | 4     | EACH | REMOVAL OF GROUND MOUNTED SIGN AND REERECTION                                         |                     |
|              |       |  | 2   |     |  |     |       |       |  |  |  |  | 2      | 630  | 85400 | 2     | EACH | REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL                                     |                     |
|              |       |  | 31  |     |  |     |       |       |  |  |  |  | 31     | 630  | 86002 | 31    | EACH | REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL                                   |                     |
|              |       |  | 4   |     |  |     |       |       |  |  |  |  | 4      | 630  | 86102 | 4     | EACH | REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL                        |                     |
|              |       |  | 3   |     |  |     |       |       |  |  |  |  | 3      | 630  | 87520 | 3     | EACH | REMOVAL OF POLE MOUNTED SIGN AND REERECTION                                           |                     |

REVISED THE PAY ITEM FROM  
625E10500 TO 625E13500

REVISED THE  
DATE FROM  
06/22/2026 TO  
09/22/2026

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

KGR

REVIEWED

RN 09/22/26

PROJECT ID

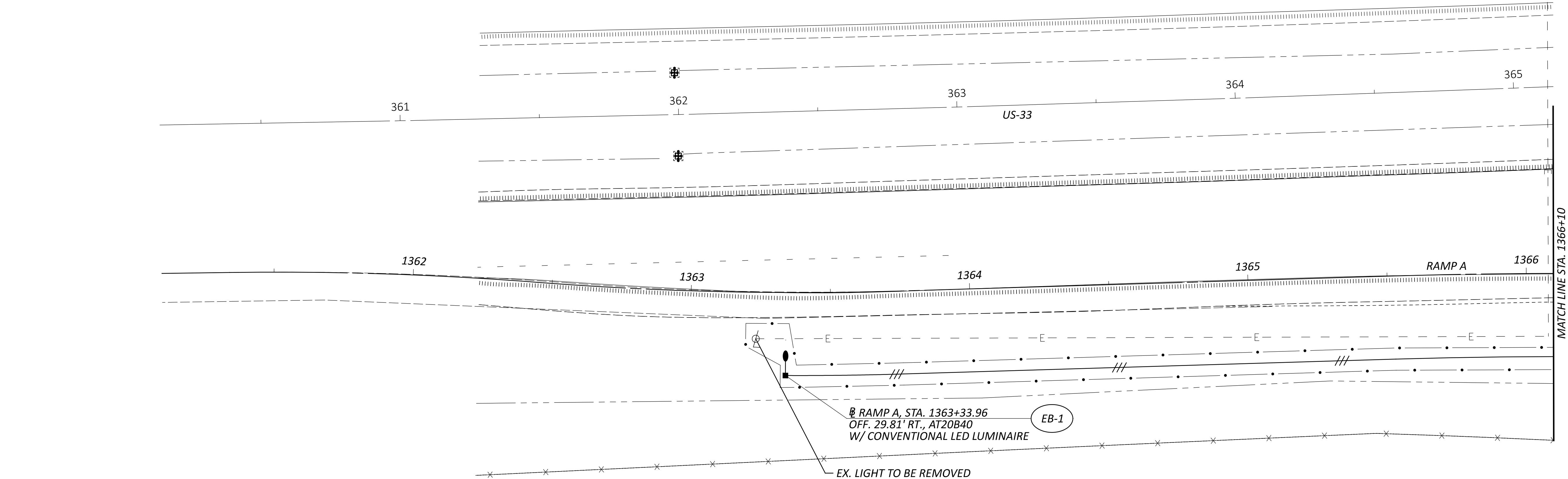
122894

SHEET

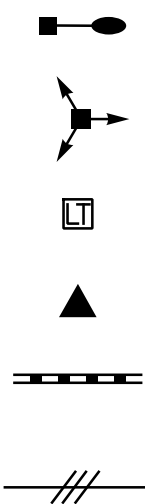
P.19

TOTAL

143



LEGEND



- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT TOWER
- PR. PULL BOX
- PR. CONTROL CENTER
- PR. CONDUIT
- 1-1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

REVISED LEGEND FROM LIGHT POLE TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER XX-##  
FITXURE NO. WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX PB-XX-##  
PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT  
CONTROL CENTER

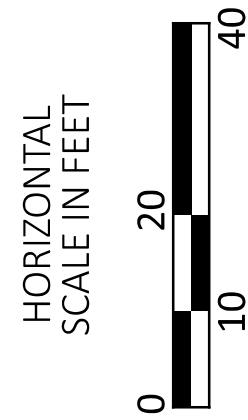
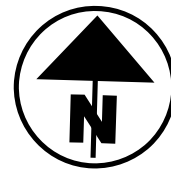
LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
SINGLE ARM  
ALUMINUM TRANSFORMER BASE  
AT20B40  
SUPPORT HEIGHT  
NUMBER OF LUMINAIRES (2)  
BB45

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES

REVISED THE DATE FROM 06/15/2026 TO 09/22/2026



LIGHTING PLAN - RAMP A  
BEGIN TO STA. 1366+10

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

122894

SHEET

124

TOTAL

143

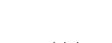
  
PR. CONVENTIONAL LIGHT POLE

  
PR. HIGH MAST LIGHT TOWER

  
PR. PULL BOX

  
PR. CONTROL CENTER

  
PR. CONDUIT

  
1-1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

REVISD LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

XX-##

CONTROL CENTER

FIXTURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PB-XX-##

PULL BOX / JUNCTION BOX

PULL BOX / JUNCTION BOX  
NO. WITHIN CIRCUIT

CONTROL CENTER

LIGHT POLE DESIGN NO.

AT20B40

ARM LENGTH

SUPPORT HEIGHT

ALUMINUM TRANSFORMER  
BASE

SINGLE ARM

SUPPORT HEIGHT

BB45

NUMBER OF  
LUMINAIRES (2)

CONDUIT CODES

1

3" CONDUIT, 725.051 W/ THREE  
NO. 4 AWG 2400 VOLT  
DISTRIBUTION CABLES

2

3" CONDUIT, 725.04,  
WITH POWER CABLE 1  
CONDUCTOR, #4 AWG

3

3" CONDUIT, JACKED OR DRILLED, 725.04  
W/ THREE NO.4 AWG 2400 VOLT  
DISTRIBUTION CABLES

LIGHTING PLAN - RAMP A  
STA. 1366+10 TO STA. 1371+10

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

122894

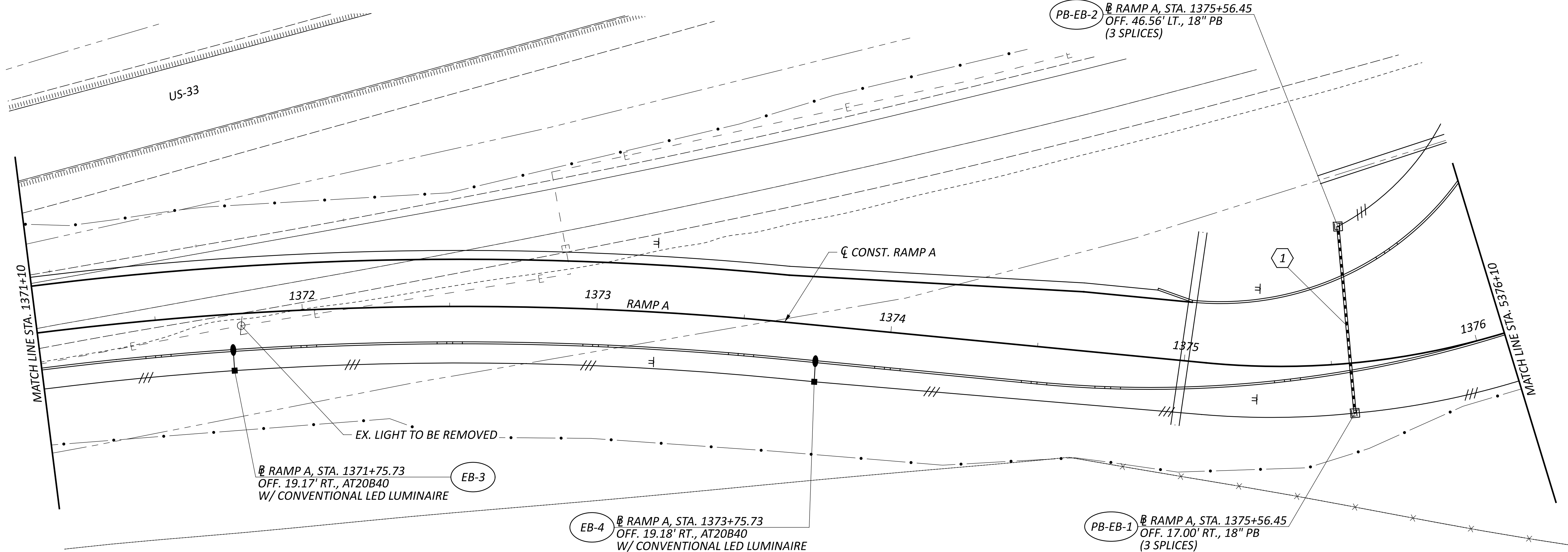
SHEET

125

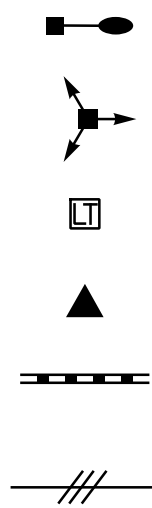
TOTAL

143

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026



LEGEND



- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT TOWER
- PR. PULL BOX
- PR. CONTROL CENTER
- PR. CONDUIT
- 1-1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

REVISED LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER XX-##  
FITXURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX PB-XX-##  
PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT  
CONTROL CENTER

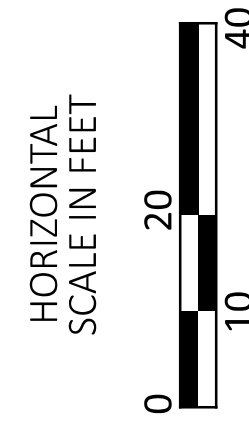
LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
AT20B40  
SINGLE ARM  
SUPPORT HEIGHT  
BB45  
NUMBER OF LUMINAIRES (2)

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026



LIGHTING PLAN - RAMP A  
STA. 1371+10 TO STA. 5376+10

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

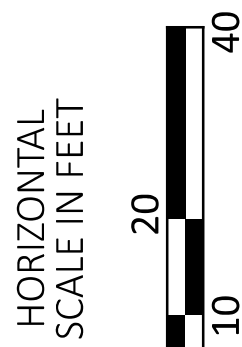
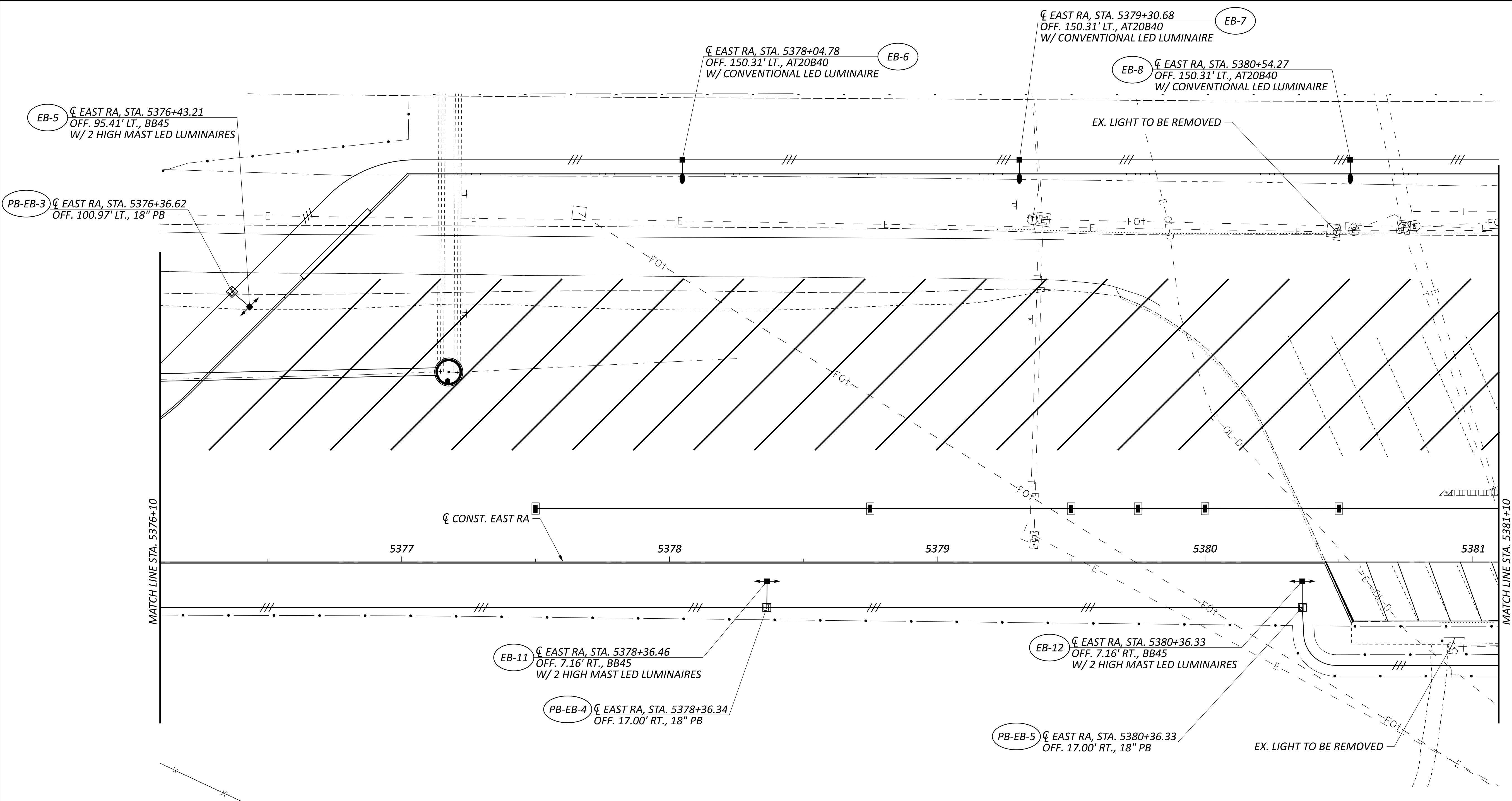
122894

SHEET

126

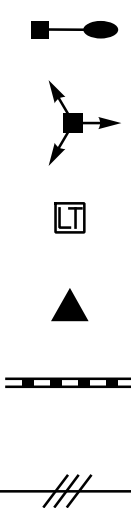
TOTAL

143



LIGHTING PLAN - REST AREA EB  
STA. 5376+10 TO STA. 5381+10

LEGEND



PR. CONVENTIONAL LIGHT POLE  
PR. HIGH MAST LIGHT TOWER  
PR. PULL BOX

PR. CONTROL CENTER  
PR. CONDUIT

1-1/2" DUCT CABLE WITH THREE NO.4 AWG  
2400 VOLT CABLES

REVISED LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER XX-##  
FITXURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX PB-XX-##  
PULL BOX / JUNCTION BOX  
NO. WITHIN CIRCUIT  
CONTROL CENTER

LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
SINGLE ARM  
SUPPORT HEIGHT  
NUMBER OF LUMINAIRES (2)  
ALUMINUM TRANSFORMER BASE  
AT20B40  
BB45

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE  
NO. 4 AWG 2400 VOLT  
DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04,  
WITH POWER CABLE 1  
CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04  
W/ THREE NO.4 AWG 2400 VOLT  
DISTRIBUTION CABLES

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

122894

SHEET

127

TOTAL

143



HORIZONTAL  
SCALE IN FEET



20 10 40

LIGHTING PLAN - REST AREA EB  
STA. 5381+10 TO STA. 3384+75

DESIGN AGENCY

**2LMN**

DESIGNER

ANL

REVIEWER

EMW 9/22/26

EWV 5/22/20

122004

122894

|       |       |
|-------|-------|
| SHEET | TOTAL |
|       |       |

|     |     |
|-----|-----|
| 128 | 143 |
|-----|-----|

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026

REVISED LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONDUIT CODES

1 3" CONDUIT, 725.051 W/ THREE  
NO. 4 AWG 2400 VOLT  
DISTRIBUTION CABLES

2 3" CONDUIT, 725.04,  
WITH POWER CABLE 1  
CONDUCTOR, #4 AWG

3" CONDUIT, JACKED OR DRILLED, 725.04  
W/ THREE NO.4 AWG 2400 VOLT  
DISTRIBUTION CABLES

CONTROL CENTER ——— FIXTURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

Diagram illustrating the components of a pull box or junction box:

- PULL BOX / JUNCTION BOX
- PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT
- CONTROL CENTER

LIGHT POLE DESIGN NO.

— *SUPPORT HEIGHT*

— *SUPPORT HEIGHT*

**BB45**  
NUMBER OF  
LUMINAIRES (2)

*LEGEND*

PR. CONVENTIONAL LIGHT POLE

PR. HIGH MAST LIGHT TOWER

PR. PULL BOX

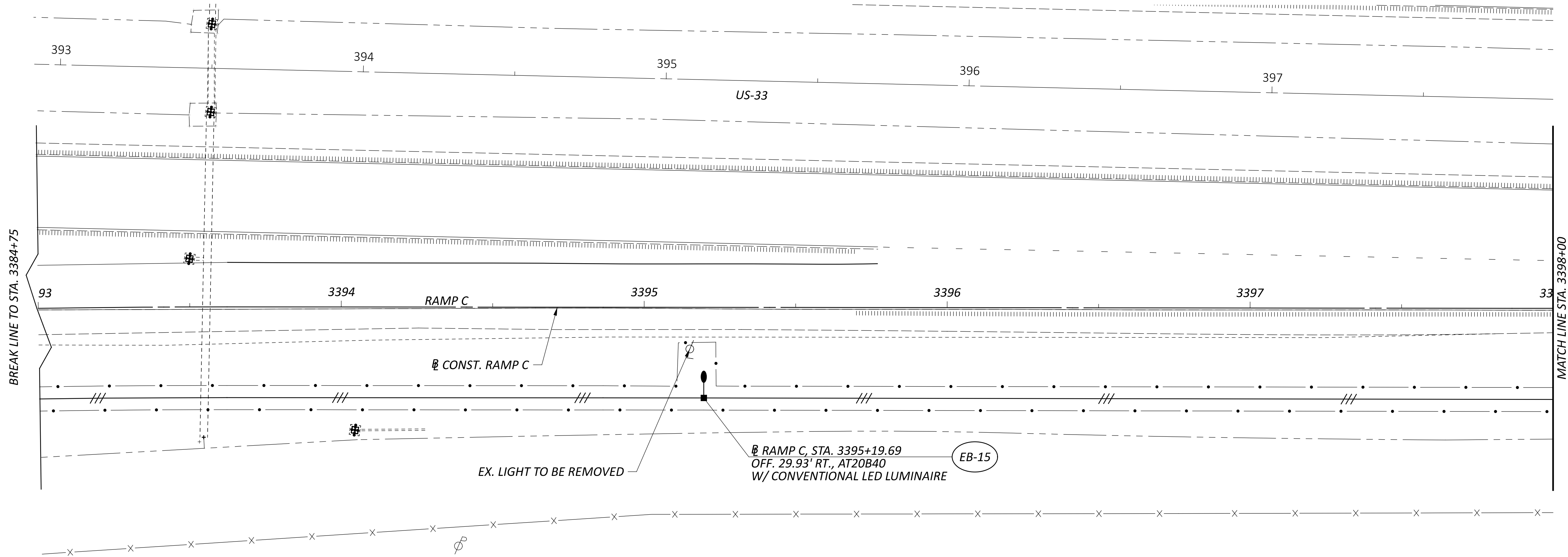
PR. CONTROL CENTER

PR. CONDUIT

1-1/2" DUCT CABLE WITH THREE NO.4 AWG  
2400 VOLT CABLES

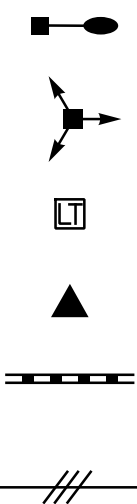
Diagram of the AT20B40 transformer. The primary winding is on the center leg, and the secondary winding is on the two outer legs. Labels include 'ARM LENGTH' pointing to the top horizontal section, 'FORMER BASE' pointing to the bottom horizontal section, and 'AT20B40' in the center.

— SINGLE ARM



LIGHTING PLAN - RAMP C  
STA. 3393+00 TO STA. 3398+00

LEGEND



REVISED LEGEND FROM LIGHT POLE TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER (XX-##)  
FIXTURE NO. WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX (PB-XX-##)  
PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT  
CONTROL CENTER

LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
ALUMINUM TRANSFORMER BASE  
SINGLE ARM  
AT20B40  
SUPPORT HEIGHT  
NUMBER OF LUMINAIRES (2)  
BB45

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04 W/ THREE NO.4 AWG 2400 VOLT DISTRIBUTION CABLES

REVISED THE DATE FROM 06/15/2026 TO 09/22/2026

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

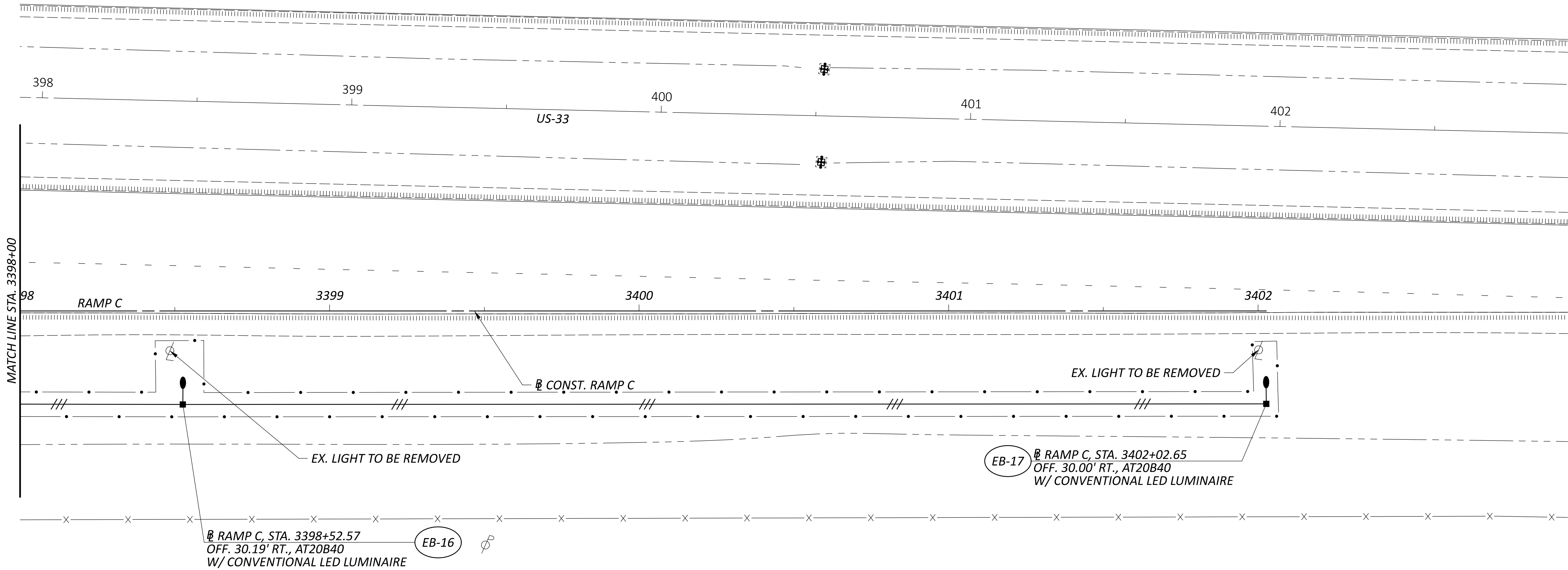
122894

SHEET

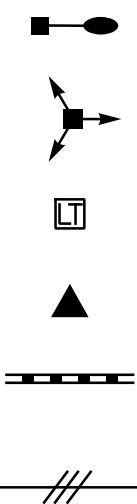
129

TOTAL

143



LEGEND



PR. CONVENTIONAL LIGHT POLE  
PR. HIGH MAST LIGHT TOWER  
PR. PULL BOX

PR. CONTROL CENTER  
PR. CONDUIT

1-1/2" DUCT CABLE WITH THREE NO.4 AWG  
2400 VOLT CABLES

REVISED LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER (XX-##)  
FITXURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX (PB-XX-##)  
PULL BOX / JUNCTION BOX  
NO. WITHIN CIRCUIT  
CONTROL CENTER

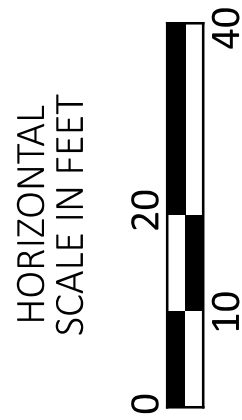
LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
AT20B40  
SINGLE ARM  
SUPPORT HEIGHT  
BB45  
NUMBER OF  
LUMINAIRES (2)

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE  
NO. 4 AWG 2400 VOLT  
DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04,  
WITH POWER CABLE 1  
CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04  
W/ THREE NO.4 AWG 2400 VOLT  
DISTRIBUTION CABLES

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026



LIGHTING PLAN - RAMP C  
STA. 3398+00 TO END

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

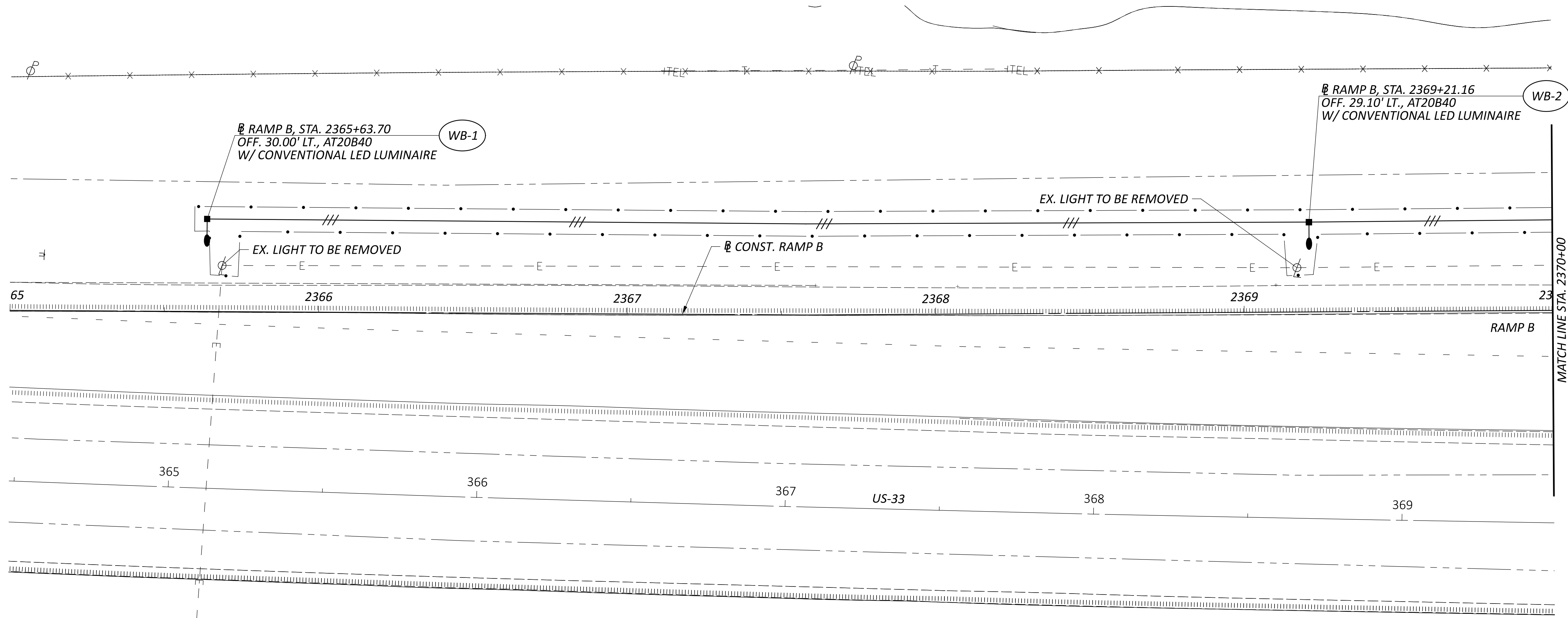
122894

SHEET

130

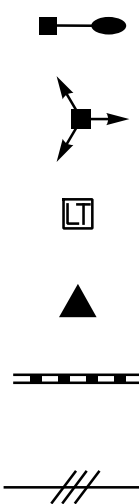
TOTAL

143



LIGHTING PLAN - RAMP B  
BEGIN TO STA. 2370+00

LEGEND



PR. CONVENTIONAL LIGHT POLE  
PR. HIGH MAST LIGHT TOWER  
PR. PULL BOX

PR. CONTROL CENTER  
PR. CONDUIT

1-1/2" DUCT CABLE WITH THREE NO.4 AWG  
2400 VOLT CABLES

REVISED LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER (XX-##)  
FIXTURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX (PB-XX-##)  
PULL BOX / JUNCTION BOX  
NO. WITHIN CIRCUIT  
CONTROL CENTER

LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
AT20B40  
SINGLE ARM  
SUPPORT HEIGHT  
BB45  
NUMBER OF  
LUMINAIRES (2)

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE  
NO. 4 AWG 2400 VOLT  
DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04,  
WITH POWER CABLE 1  
CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04  
W/ THREE NO.4 AWG 2400 VOLT  
DISTRIBUTION CABLES

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

9/22/26

PROJECT NO.

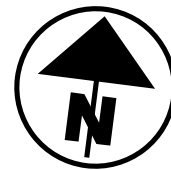
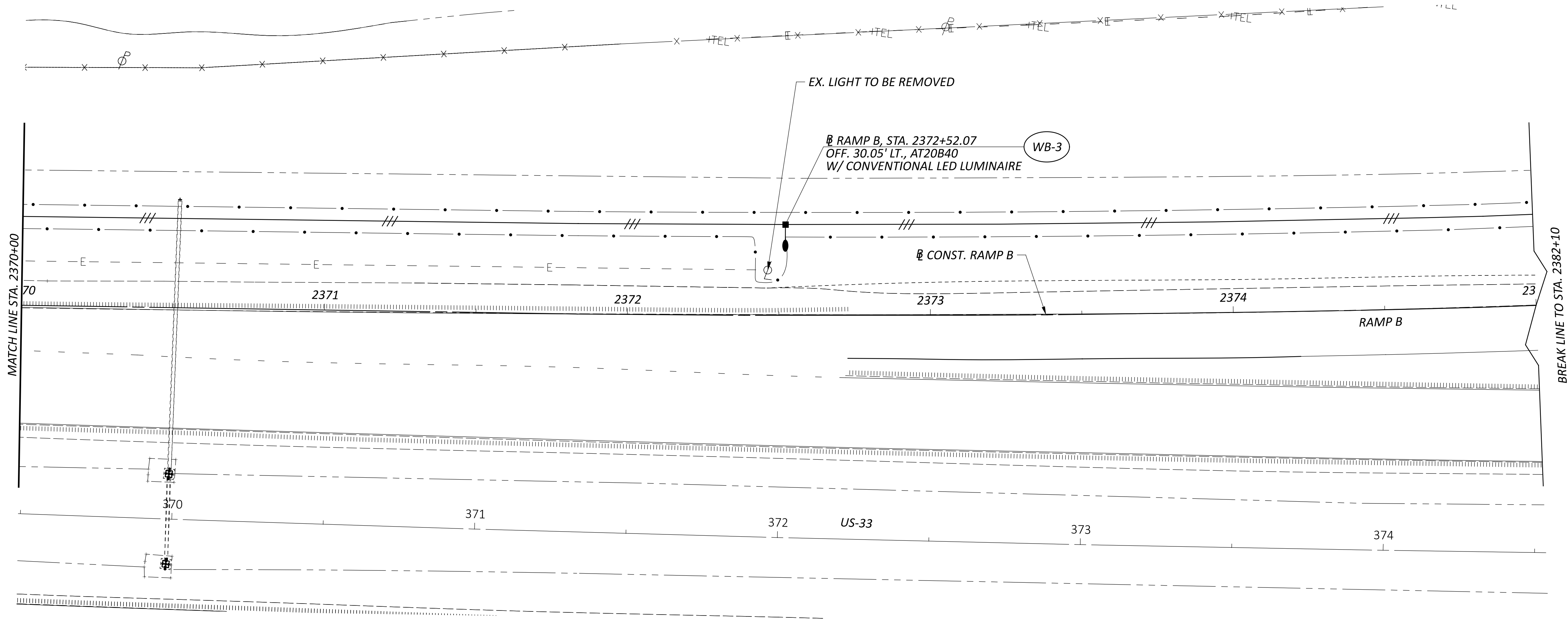
122894

SHEET

131

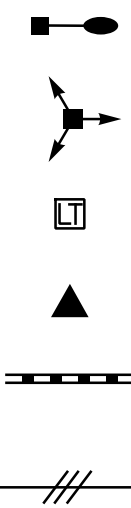
TOTAL

143



LIGHTING PLAN - RAMP B  
STA. 2370+00 TO STA. 2375+00

LEGEND



- PR. CONVENTIONAL LIGHT POLE
- PR. HIGH MAST LIGHT TOWER
- PR. PULL BOX
- PR. CONTROL CENTER
- PR. CONDUIT
- 1-1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

REVISED LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER XX-##  
FITXURE NO.  
WITHIN CIRCUIT

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PB-XX-##  
PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT  
CONTROL CENTER

LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
AT20B40  
SINGLE ARM  
SUPPORT HEIGHT  
BB45  
NUMBER OF LUMINAIRES (2)

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

122894

SHEET

TOTAL

132

143

**LEGEND**

PR. CONVENTIONAL LIGHT POLE

PR. HIGH MAST LIGHT TOWER

PR. PULL BOX

PR. CONTROL CENTER

PR. CONDUIT

1-1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

**REVISD LEGEND FROM LIGHT POLE TO LIGHT TOWER**

**LIGHT POLE IDENTIFICATION NO.**

CONTROL CENTER XX-##

FIXTURE NO. WITHIN CIRCUIT

**PULL BOX / JUNCTION BOX IDENTIFICATION NO.**

PULL BOX / JUNCTION BOX PB-XX-##

PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT

CONTROL CENTER

**LIGHT POLE DESIGN NO.**

ARM LENGTH

SUPPORT HEIGHT

ALUMINUM TRANSFORMER BASE

AT20B40

SINGLE ARM

SUPPORT HEIGHT

BB45

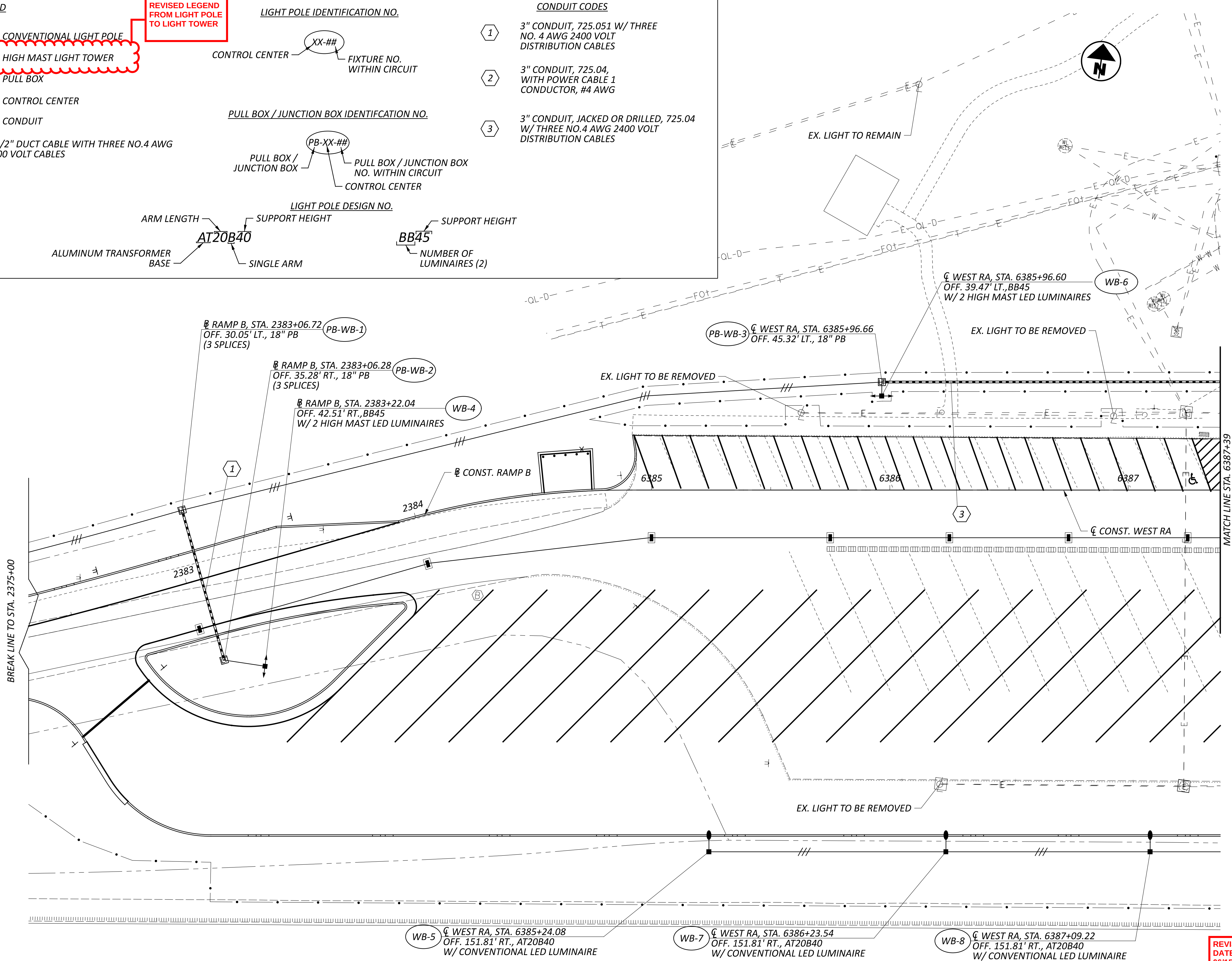
NUMBER OF LUMINAIRES (2)

**CONDUIT CODES**

1 3" CONDUIT, 725.051 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES

2 3" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG

3 3" CONDUIT, JACKED OR DRILLED, 725.04 W/ THREE NO.4 AWG 2400 VOLT DISTRIBUTION CABLES



LIGHTING PLAN - REST AREA WB  
STA. 6384+90 TO STA. 6389+90

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJ. NO.

122894

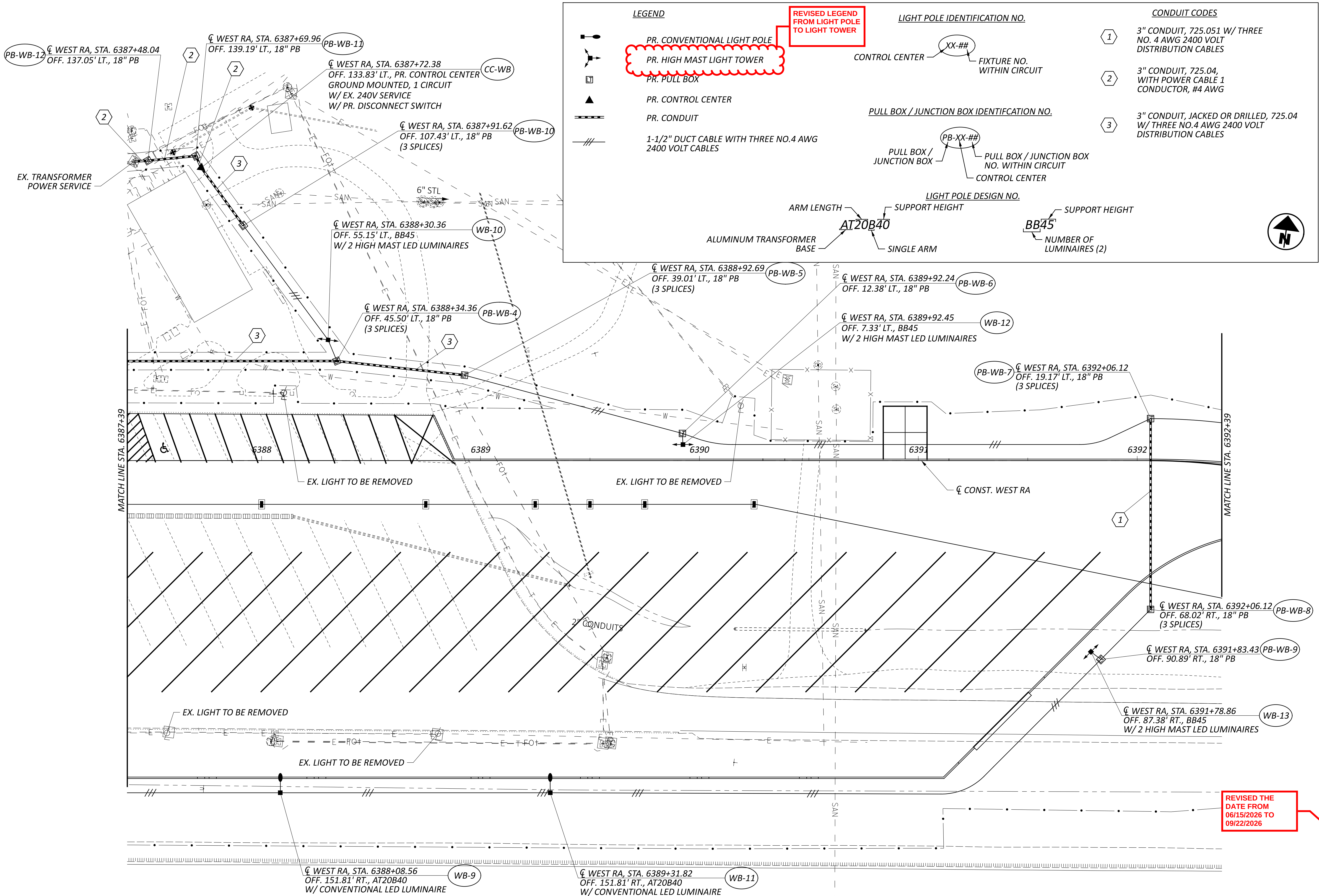
SHEET

133

TOTAL

143

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026



LIGHTING PLAN - REST AREA WB  
STA. 6387+39 TO STA. 6392+39

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT

122894

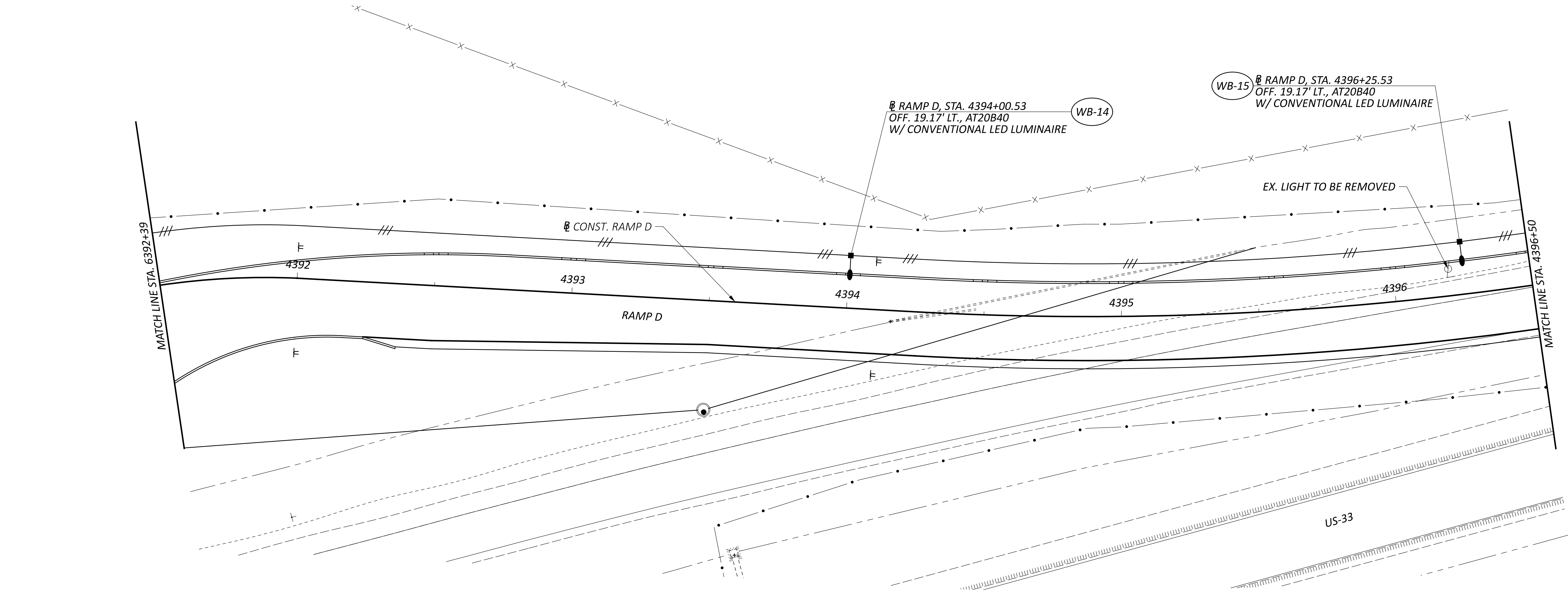
SHEET

134

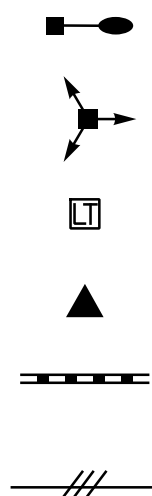
TOTAL

143

REVISED DATE FROM  
06/15/2026 TO  
09/22/2026



LEGEND



PR. CONVENTIONAL LIGHT POLE  
PR. HIGH MAST LIGHT TOWER  
PR. PULL BOX  
PR. CONTROL CENTER  
PR. CONDUIT  
1-1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

REVISED LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER XX-##  
FITXURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX PB-XX-##  
PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT  
CONTROL CENTER

LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
ALUMINUM TRANSFORMER BASE  
AT20B40  
SINGLE ARM  
SUPPORT HEIGHT  
BB45  
NUMBER OF LUMINAIRES (2)

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES  
2 3" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG  
3 3" CONDUIT, JACKED OR DRILLED, 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026

LIGHTING PLAN - RAMP D  
STA. 6392+39 TO STA. 4396+50

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

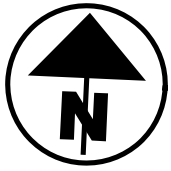
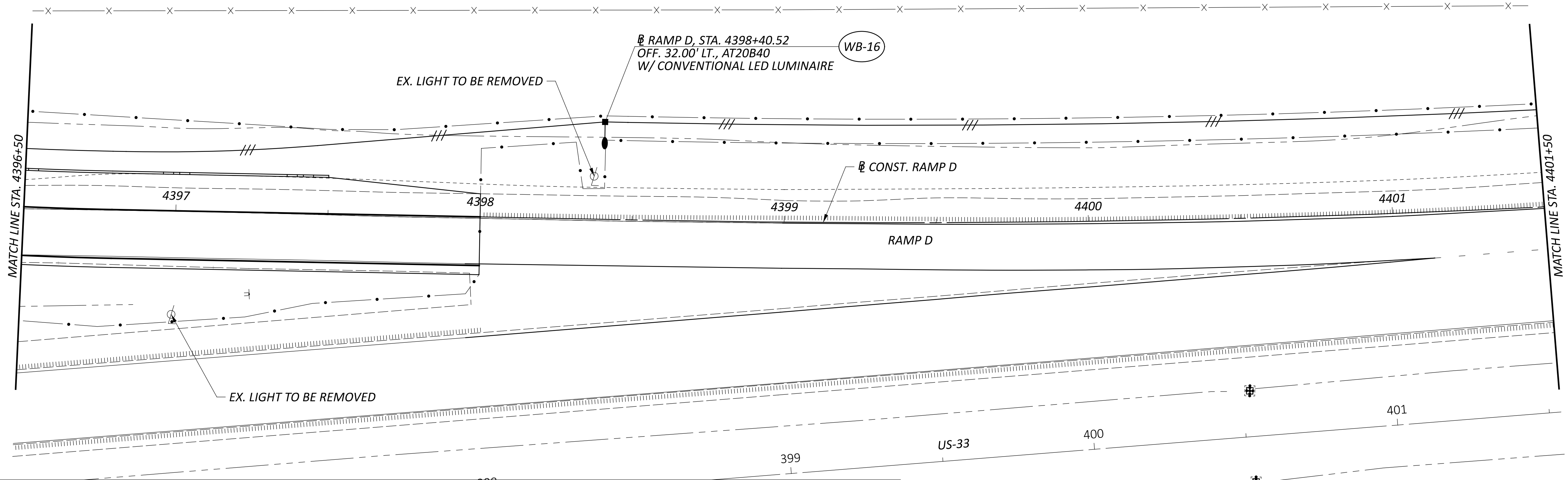
122894

SHEET

135

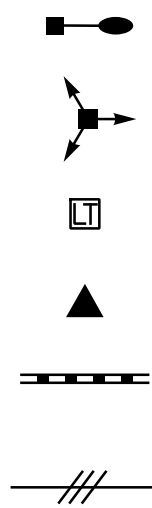
TOTAL

143



LIGHTING PLAN - RAMP D  
STA. 4396+50 TO STA. 4401+50

LEGEND



PR. CONVENTIONAL LIGHT POLE  
PR. HIGH MAST LIGHT TOWER  
PR. PULL BOX

PR. CONTROL CENTER  
PR. CONDUIT

1-1/2" DUCT CABLE WITH THREE NO.4 AWG  
2400 VOLT CABLES

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER (XX-##)  
FIXTURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX (PB-XX-##)  
PULL BOX / JUNCTION BOX  
NO. WITHIN CIRCUIT  
CONTROL CENTER

LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
ALUMINUM TRANSFORMER BASE  
SINGLE ARM  
AT20B40  
SUPPORT HEIGHT  
NUMBER OF LUMINAIRES (2)  
BB45

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04 W/ THREE NO.4 AWG 2400 VOLT DISTRIBUTION CABLES

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

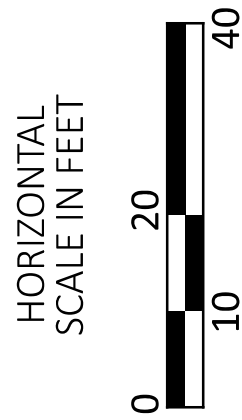
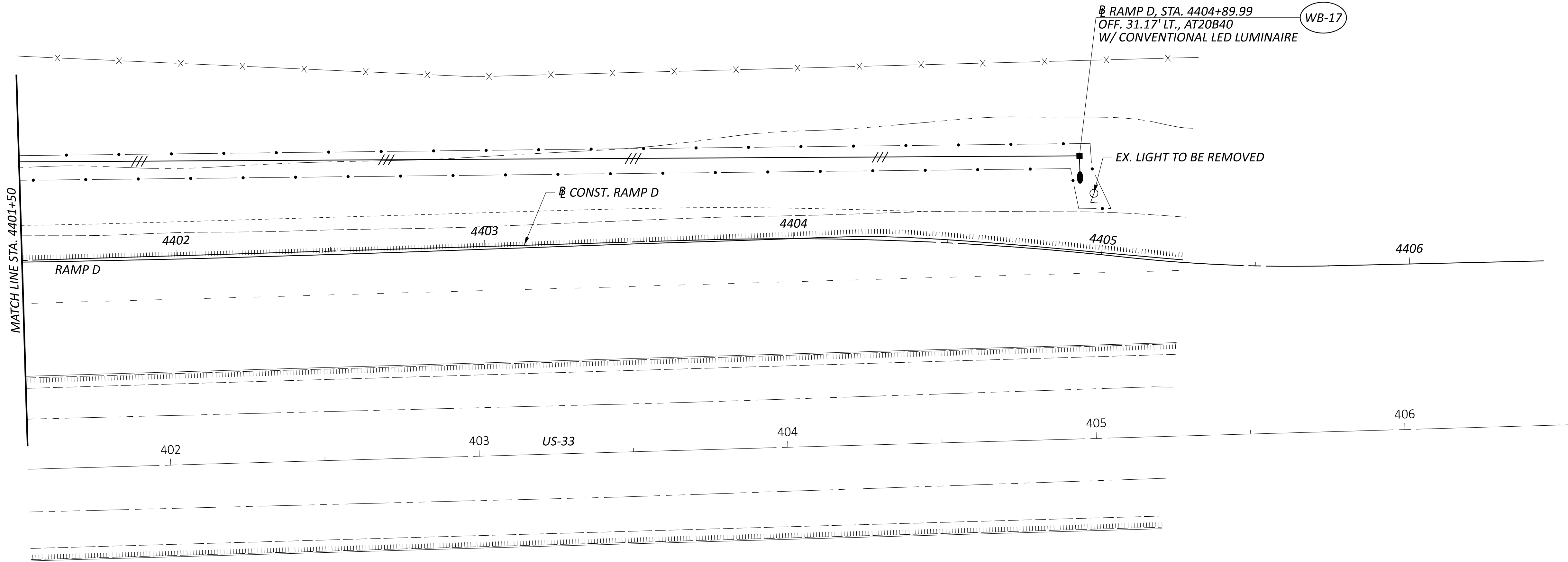
122894

SHEET

136

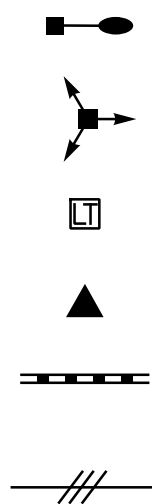
TOTAL

143



LIGHTING PLAN - RAMP D  
STA. 4401+50 TO END

LEGEND



PR. CONVENTIONAL LIGHT POLE  
PR. HIGH MAST LIGHT TOWER  
PR. PULL BOX

PR. CONTROL CENTER  
PR. CONDUIT

1-1/2" DUCT CABLE WITH THREE NO.4 AWG  
2400 VOLT CABLES

LIGHT POLE IDENTIFICATION NO.

CONTROL CENTER (XX-##)  
FIXTURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.

PULL BOX / JUNCTION BOX (PB-XX-##)  
PULL BOX / JUNCTION BOX  
NO. WITHIN CIRCUIT  
CONTROL CENTER

LIGHT POLE DESIGN NO.

ARM LENGTH  
SUPPORT HEIGHT  
AT20B40  
SINGLE ARM  
SUPPORT HEIGHT  
BB45  
NUMBER OF  
LUMINAIRES (2)

CONDUIT CODES

- 1 3" CONDUIT, 725.051 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES
- 2 3" CONDUIT, 725.04, WITH POWER CABLE 1 CONDUCTOR, #4 AWG
- 3 3" CONDUIT, JACKED OR DRILLED, 725.04 W/ THREE NO. 4 AWG 2400 VOLT DISTRIBUTION CABLES

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026

DESIGN AGENCY

2LMN

DESIGNER

ANL

REVIEWER

EMW 9/22/26

PROJECT NO.

122894

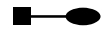
SHEET

137

TOTAL

143

**LEGEND**



PR. CONVENTIONAL LIGHT POLE



PR. HIGH MAST LIGHT TOWER



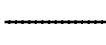
PR. PULL BOX



PR. CONTROL CENTER



PR. CONDUIT



1-1/2" DUCT CABLE WITH THREE NO.4 AWG  
2400 VOLT CABLES

**REVISD LEGEND  
FROM LIGHT POLE  
TO LIGHT TOWER**

LIGHT POLE IDENTIFICATION NO.

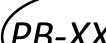


CONTROL CENTER



FIXTURE NO.  
WITHIN CIRCUIT

PULL BOX / JUNCTION BOX IDENTIFICATION NO.



PULL BOX /  
JUNCTION BOX

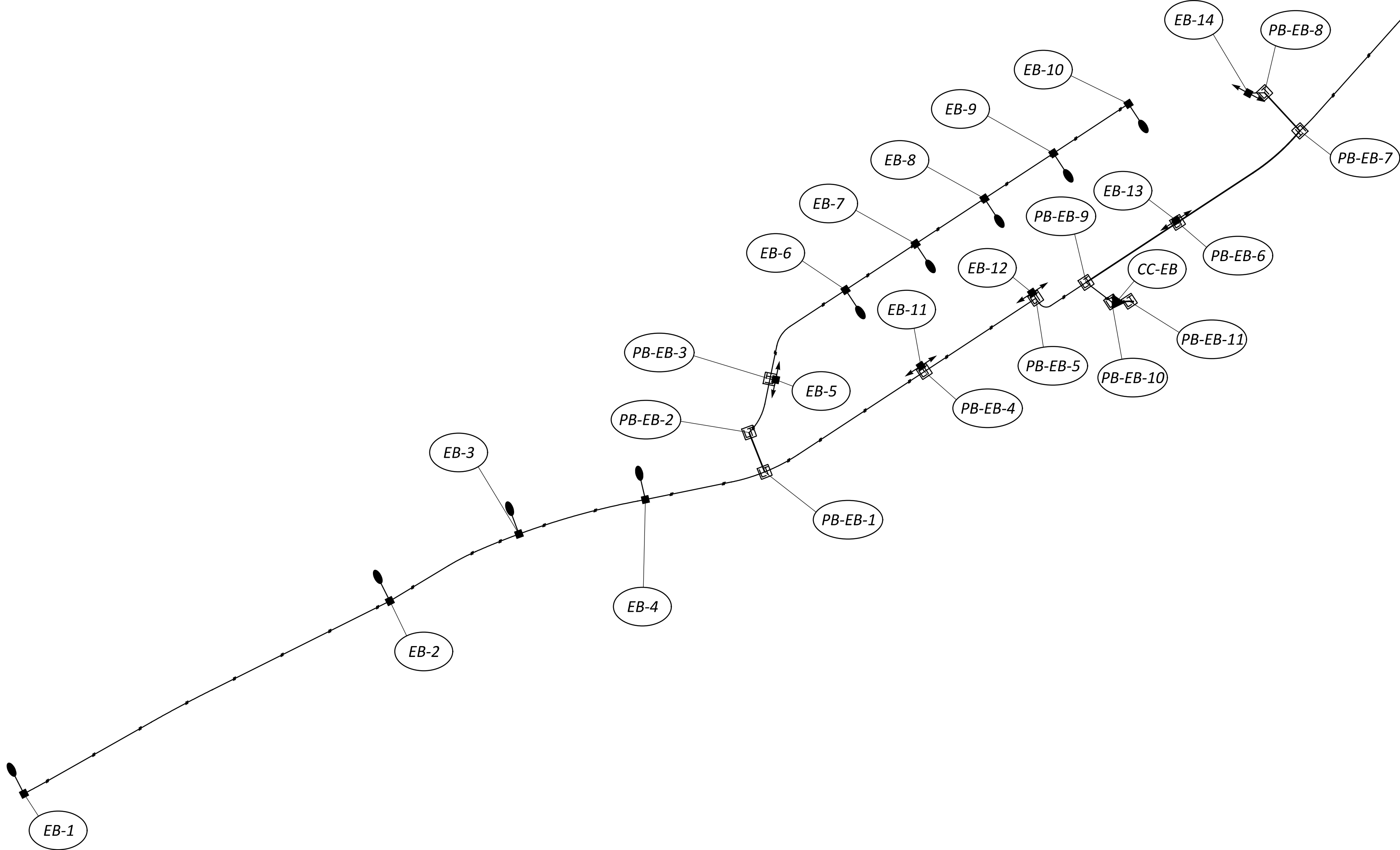


PULL BOX / JUNCTION BOX  
NO. WITHIN CIRCUIT



CONTROL CENTER

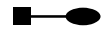
| CONTROL CENTER | LINE VOLTS | CONNECTED LOAD (KVA) | SERVICE ENTRANCE CONDUCTOR SIZE - AWG | ENCLOSURE RATING (AMPS) | CIRCUIT NUMBER | CIRCUIT LOAD (AMPS) | CIRCUIT FUSE SIZE (AMPS) | CIRCUIT CABLE SIZE (AWG) | MAINTAINING AGENCY |
|----------------|------------|----------------------|---------------------------------------|-------------------------|----------------|---------------------|--------------------------|--------------------------|--------------------|
| EB             | 240        | 4.54                 | 2                                     | 60                      | 1              | 18.90               | 30                       | 4                        | ODOT               |



| VOLTAGE DROP CALCULATIONS     |          |             |                                            |        |                                          |      |               |        |            |          |
|-------------------------------|----------|-------------|--------------------------------------------|--------|------------------------------------------|------|---------------|--------|------------|----------|
| Control Center EB - Circuit 1 |          |             |                                            |        | No. of Wires for Calculation Purposes: 3 |      |               |        |            |          |
| Power Service:                |          | Circuit:    |                                            | 1      |                                          |      |               |        |            |          |
| Supply Voltage:               |          | 240         |                                            |        |                                          |      |               |        |            |          |
| Wire Resistance:              |          | No.         | 4                                          | AWG.   | 0.310                                    |      |               |        |            |          |
|                               |          | No.         |                                            | AWG.   |                                          |      |               |        |            |          |
|                               |          |             |                                            |        |                                          |      |               |        |            |          |
| Voltage:                      |          | 240         | Wire Factor Used (Two - No. 10 AWG Wires): |        |                                          | 2.40 | ohms/mft/1000 |        | Circuit: 1 |          |
|                               |          |             | Wire Factor Used (Two - No. 8 AWG Wires):  |        |                                          | 1.56 | ohms/mft/1000 |        |            |          |
|                               |          |             | Wire Factor Used (Two - No. 6 AWG Wires):  |        |                                          | 0.98 | ohms/mft/1000 |        |            |          |
|                               |          |             | Wire Factor Used (Two - No. 4 AWG Wires):  |        |                                          | 0.62 | ohms/mft/1000 |        |            |          |
|                               |          |             | Wire Factor Used (Two - No. 2 AWG Wires):  |        |                                          | 0.38 | ohms/mft/1000 |        |            |          |
|                               |          |             |                                            |        |                                          |      |               |        |            |          |
| Section                       |          |             | Amperes                                    |        | Ampere-Feet                              | AWG  | Voltage Drop  |        | % Drop     | At Point |
| From                          | To       | Design Feet | At Point                                   | Accum. |                                          |      | In Section    | Accum. |            |          |
| EB-10                         | EB-9     | 145         | 0.99                                       | 0.99   | 144                                      | 4    | 0.089         | 7.41   | 3.09       | EB-10    |
| EB-9                          | EB-8     | 135         | 0.99                                       | 1.98   | 267                                      | 4    | 0.166         | 7.32   | 3.05       | EB-9     |
| EB-8                          | EB-7     | 135         | 0.99                                       | 2.97   | 401                                      | 4    | 0.249         | 7.15   | 2.98       | EB-8     |
| EB-7                          | EB-6     | 140         | 0.99                                       | 3.96   | 554                                      | 4    | 0.344         | 6.90   | 2.88       | EB-7     |
| EB-6                          | EB-5     | 205         | 0.99                                       | 4.95   | 1,015                                    | 4    | 0.629         | 6.56   | 2.73       | EB-6     |
| EB-5                          | PB-EB-2  | 110         | 1.81                                       | 6.76   | 744                                      | 4    | 0.461         | 5.93   | 2.47       | EB-5     |
| PB-EB-2                       | PB-EB-1  | 75          | 0.00                                       | 6.76   | 507                                      | 4    | 0.314         | 5.47   | 2.28       | PB-EB-2  |
| PB-EB-1                       | EB-11    | 305         | 0.00                                       | 9.56   | 2,916                                    | 4    | 1.808         | 5.15   | 2.15       | PB-EB-1  |
| EB-11                         | EB-12    | 220         | 1.81                                       | 11.37  | 2,501                                    | 4    | 1.551         | 3.35   | 1.39       | EB-11    |
| EB-12                         | PB-EB-9  | 105         | 1.81                                       | 13.18  | 1,384                                    | 4    | 0.858         | 1.80   | 0.75       | EB-12    |
| PB-EB-9                       | PB-EB-10 | 60          | 0.00                                       | 18.90  | 1,134                                    | 4    | 0.703         | 0.94   | 0.39       | PB-EB-9  |
| PB-EB-10                      | CC-EB    | 20          | 0.00                                       | 18.90  | 378                                      | 4    | 0.234         | 0.23   | 0.10       | PB-EB-10 |
|                               |          |             |                                            |        |                                          |      |               |        |            |          |
| EB-17                         | EB-16    | 360         | 0.70                                       | 0.70   | 252                                      | 4    | 0.156         | 4.12   | 1.72       | EB-17    |
| EB-16                         | EB-15    | 345         | 0.70                                       | 1.40   | 483                                      | 4    | 0.299         | 3.97   | 1.65       | EB-16    |
| EB-15                         | PB-EB-7  | 1,165       | 0.70                                       | 2.10   | 2,447                                    | 4    | 1.517         | 3.67   | 1.53       | EB-15    |
| PB-EB-7                       | EB-13    | 245         | 0.00                                       | 3.91   | 958                                      | 4    | 0.594         | 2.15   | 0.90       | PB-EB-7  |
| EB-13                         | PB-EB-9  | 175         | 1.81                                       | 5.72   | 1,001                                    | 4    | 0.621         | 1.56   | 0.65       | EB-13    |
|                               |          |             |                                            |        |                                          |      |               |        |            |          |
| EB-14                         | PB-EB-7  | 115         | 1.81                                       | 1.81   | 208                                      | 4    | 0.129         | 2.28   | 0.95       | EB-14    |
|                               |          |             |                                            |        |                                          |      |               |        |            |          |
| EB-1                          | EB-2     | 635         | 0.70                                       | 0.70   | 445                                      | 4    | 0.276         | 6.24   | 2.60       | EB-1     |
| EB-2                          | EB-3     | 230         | 0.70                                       | 1.40   | 322                                      | 4    | 0.200         | 5.97   | 2.49       | EB-2     |
| EB-3                          | EB-4     | 210         | 0.70                                       | 2.10   | 441                                      | 4    | 0.273         | 5.77   | 2.40       | EB-3     |
| EB-4                          | PB-EB-1  | 195         | 0.70                                       | 2.80   | 546                                      | 4    | 0.339         | 5.49   | 2.29       | EB-4     |
|                               |          |             |                                            |        |                                          |      |               |        |            |          |

REVISED THE  
DATE FROM  
06/15/2026 TO  
09/22/2026

**LEGEND**



PR. CONVENTIONAL LIGHT POLE



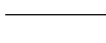
PR. HIGH MAST LIGHT TOWER



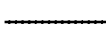
PR. PULL BOX



PR. CONTROL CENTER



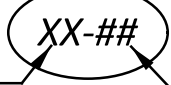
PR. CONDUIT



1-1/2" DUCT CABLE WITH THREE NO.4 AWG 2400 VOLT CABLES

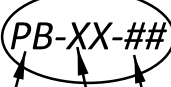
**REVISED LEGEND FROM LIGHT POLE TO LIGHT TOWER**

**LIGHT POLE IDENTIFICATION NO.**

CONTROL CENTER  XX-##

FIXTURE NO. WITHIN CIRCUIT

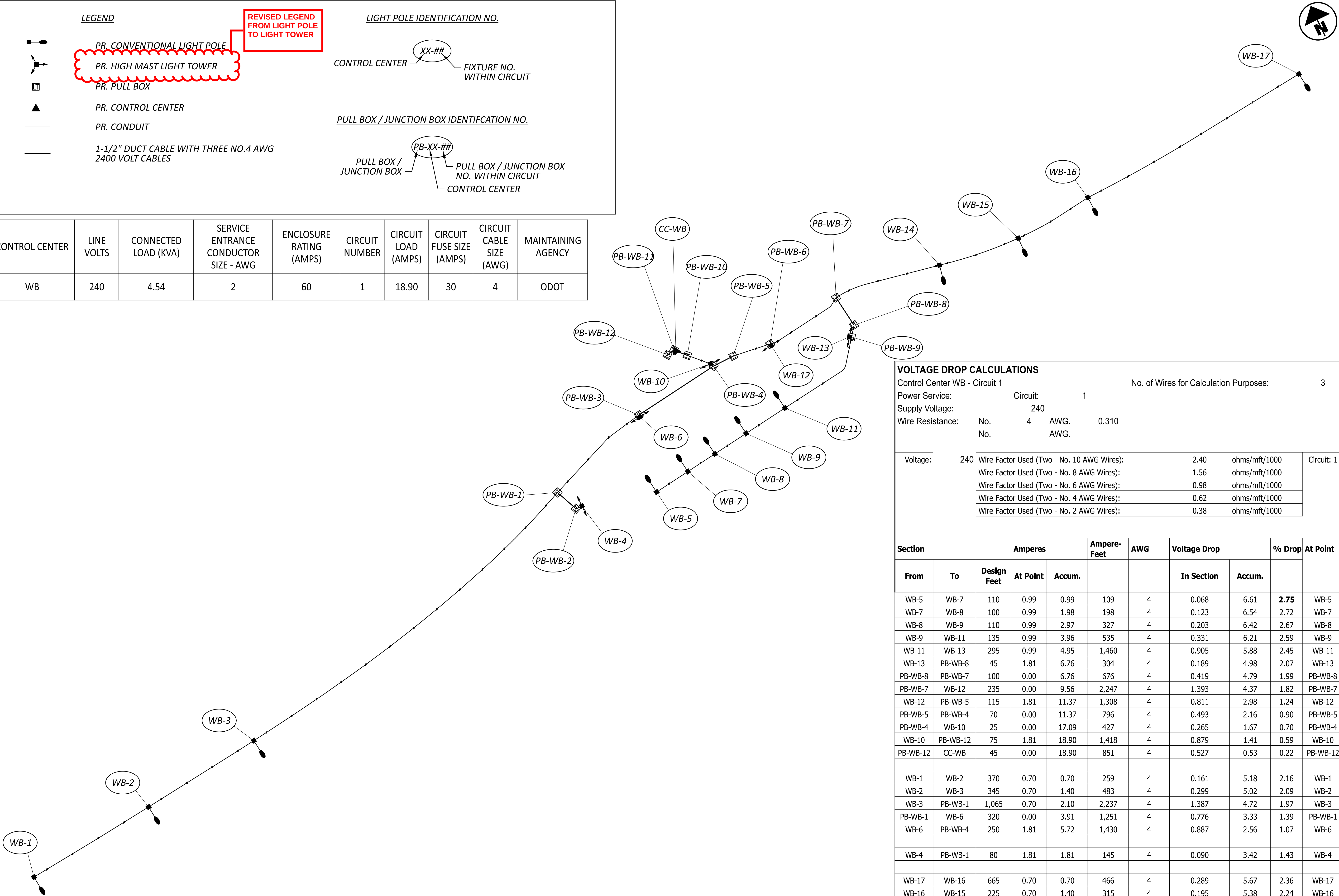
**PULL BOX / JUNCTION BOX IDENTIFICATION NO.**

PULL BOX / JUNCTION BOX  PB-XX-##

PULL BOX / JUNCTION BOX NO. WITHIN CIRCUIT

CONTROL CENTER

| CONTROL CENTER | LINE VOLTS | CONNECTED LOAD (KVA) | SERVICE ENTRANCE CONDUCTOR SIZE - AWG | ENCLOSURE RATING (AMPS) | CIRCUIT NUMBER | CIRCUIT LOAD (AMPS) | CIRCUIT FUSE SIZE (AMPS) | CIRCUIT CABLE SIZE (AWG) | MAINTAINING AGENCY |
|----------------|------------|----------------------|---------------------------------------|-------------------------|----------------|---------------------|--------------------------|--------------------------|--------------------|
| WB             | 240        | 4.54                 | 2                                     | 60                      | 1              | 18.90               | 30                       | 4                        | ODOT               |



| VOLTAGE DROP CALCULATIONS     |          |             |                                            |        |             |                                        |              |               |        |            |
|-------------------------------|----------|-------------|--------------------------------------------|--------|-------------|----------------------------------------|--------------|---------------|--------|------------|
| Control Center WB - Circuit 1 |          |             |                                            |        |             | No. of Wires for Calculation Purposes: |              |               |        | 3          |
| Power Service:                |          |             | Circuit: 1                                 |        |             |                                        |              |               |        |            |
| Supply Voltage:               |          |             | 240                                        |        |             |                                        |              |               |        |            |
| Wire Resistance:              |          |             | No.                                        | 4      | AWG.        | 0.310                                  |              |               |        |            |
|                               |          |             | No.                                        |        | AWG.        |                                        |              |               |        |            |
| Voltage:                      |          | 240         | Wire Factor Used (Two - No. 10 AWG Wires): |        |             |                                        | 2.40         | ohms/mft/1000 |        | Circuit: 1 |
|                               |          |             | Wire Factor Used (Two - No. 8 AWG Wires):  |        |             |                                        | 1.56         | ohms/mft/1000 |        |            |
|                               |          |             | Wire Factor Used (Two - No. 6 AWG Wires):  |        |             |                                        | 0.98         | ohms/mft/1000 |        |            |
|                               |          |             | Wire Factor Used (Two - No. 4 AWG Wires):  |        |             |                                        | 0.62         | ohms/mft/1000 |        |            |
|                               |          |             | Wire Factor Used (Two - No. 2 AWG Wires):  |        |             |                                        | 0.38         | ohms/mft/1000 |        |            |
| Section                       |          |             | Amperes                                    |        | Ampere-Feet | AWG                                    | Voltage Drop |               | % Drop | At Point   |
| From                          | To       | Design Feet | At Point                                   | Accum. |             |                                        | In Section   | Accum.        |        |            |
| WB-5                          | WB-7     | 110         | 0.99                                       | 0.99   | 109         | 4                                      | 0.068        | 6.61          | 2.75   | WB-5       |
| WB-7                          | WB-8     | 100         | 0.99                                       | 1.98   | 198         | 4                                      | 0.123        | 6.54          | 2.72   | WB-7       |
| WB-8                          | WB-9     | 110         | 0.99                                       | 2.97   | 327         | 4                                      | 0.203        | 6.42          | 2.67   | WB-8       |
| WB-9                          | WB-11    | 135         | 0.99                                       | 3.96   | 535         | 4                                      | 0.331        | 6.21          | 2.59   | WB-9       |
| WB-11                         | WB-13    | 295         | 0.99                                       | 4.95   | 1,460       | 4                                      | 0.905        | 5.88          | 2.45   | WB-11      |
| WB-13                         | PB-WB-8  | 45          | 1.81                                       | 6.76   | 304         | 4                                      | 0.189        | 4.98          | 2.07   | WB-13      |
| PB-WB-8                       | PB-WB-7  | 100         | 0.00                                       | 6.76   | 676         | 4                                      | 0.419        | 4.79          | 1.99   | PB-WB-8    |
| PB-WB-7                       | WB-12    | 235         | 0.00                                       | 9.56   | 2,247       | 4                                      | 1.393        | 4.37          | 1.82   | PB-WB-7    |
| WB-12                         | PB-WB-5  | 115         | 1.81                                       | 11.37  | 1,308       | 4                                      | 0.811        | 2.98          | 1.24   | WB-12      |
| PB-WB-5                       | PB-WB-4  | 70          | 0.00                                       | 11.37  | 796         | 4                                      | 0.493        | 2.16          | 0.90   | PB-WB-5    |
| PB-WB-4                       | WB-10    | 25          | 0.00                                       | 17.09  | 427         | 4                                      | 0.265        | 1.67          | 0.70   | PB-WB-4    |
| WB-10                         | PB-WB-12 | 75          | 1.81                                       | 18.90  | 1,418       | 4                                      | 0.879        | 1.41          | 0.59   | WB-10      |
| PB-WB-12                      | CC-WB    | 45          | 0.00                                       | 18.90  | 851         | 4                                      | 0.527        | 0.53          | 0.22   | PB-WB-12   |
|                               |          |             |                                            |        |             |                                        |              |               |        |            |
| WB-1                          | WB-2     | 370         | 0.70                                       | 0.70   | 259         | 4                                      | 0.161        | 5.18          | 2.16   | WB-1       |
| WB-2                          | WB-3     | 345         | 0.70                                       | 1.40   | 483         | 4                                      | 0.299        | 5.02          | 2.09   | WB-2       |
| WB-3                          | PB-WB-1  | 1,065       | 0.70                                       | 2.10   | 2,237       | 4                                      | 1.387        | 4.72          | 1.97   | WB-3       |
| PB-WB-1                       | WB-6     | 320         | 0.00                                       | 3.91   | 1,251       | 4                                      | 0.776        | 3.33          | 1.39   | PB-WB-1    |
| WB-6                          | PB-WB-4  | 250         | 1.81                                       | 5.72   | 1,430       | 4                                      | 0.887        | 2.56          | 1.07   | WB-6       |
|                               |          |             |                                            |        |             |                                        |              |               |        |            |
| WB-4                          | PB-WB-1  | 80          | 1.81                                       | 1.81   | 145         | 4                                      | 0.090        | 3.42          | 1.43   | WB-4       |
|                               |          |             |                                            |        |             |                                        |              |               |        |            |
| WB-17                         | WB-16    | 665         | 0.70                                       | 0.70   | 466         | 4                                      | 0.289        | 5.67          | 2.36   | WB-17      |
| WB-16                         | WB-15    | 225         | 0.70                                       | 1.40   | 315         | 4                                      | 0.195        | 5.38          | 2.24   | WB-16      |
| WB-15                         | WB-14    | 235         | 0.70                                       | 2.10   | 494         | 4                                      | 0.306        | 5.19          | 2.16   | WB-15      |
| WB-14                         | PB-WB-7  | 295         | 0.70                                       | 2.80   | 826         | 4                                      | 0.512        | 4.88          | 2.03   | WB-14      |
|                               |          |             |                                            |        |             |                                        |              |               |        |            |
|                               |          |             |                                            |        |             |                                        |              |               |        |            |

REVISED THE DATE FROM 06/15/2026 TO 09/22/2026