

WISDOT SYSTEMS

- 1

A - BLACK
B - RED
C - BROWN
D - BLUE
E - BROWN
F - ORANGE

480V PHASE-PHASE

CB-100

CB-101
- L70-2007 / USH 41 & USH 10, (COPPERHEAD DR) / TOWN OF MENASHA / WINNEBAGO COUNTY

CB 100 / NORTHWEST QUADRANT OF INTERCHANGE

240/480 VOLT / SINGLE PHASE / 200 AMP SERVICE

MAIN LUGS ONLY METER PEDESTAL (EXISTING)

CIRCUIT DESCRIPTIONS:

CTK. A/B - FSW RAMP LIGHTS

CTK. C/D - IH 41SB TO FSW RAMP LIGHTS

CTK. E/F - FSE RAMP LIGHTS

CTK. G/H - NB AUX LANE LIGHTING NORTH OF MAINLINE CONDUIT CROSSING

CTK. I/J - RAMP FSW LIGHTING

CTK. K/L - SPARE (FUTURE)
- 2

A - BLACK
B - RED
C - BROWN
D - BLUE
E - BROWN
F - ORANGE

480V PHASE-PHASE

CB-300 (EXISTING)

CB-301
- L70-2008 / USH 41 & USH 10, (JACOBSEN ROAD) / TOWN OF MENASHA / WINNEBAGO COUNTY

CB 200 / SYSTEM INTERCHANGE SOUTH

240/480 VOLT / SINGLE PHASE / 200 AMP SERVICE

MAIN LUGS ONLY METER PEDESTAL (EXISTING)

CIRCUIT DESCRIPTIONS:

CTK. A/B - RAMP FEN / FES - (EXISTING)

CTK. C/D - RAMP FES / FWS - (EXISTING)

CTK. E/F - RAMP FEN
- 3

A - BLACK
B - RED
C - BROWN
D - BLUE
E - BROWN
F - ORANGE

480V PHASE-PHASE

CB-300 (EXISTING)

CB-301
- L70-2009 / USH 41 & USH 10, (WEST BUTTE DES MORTS RD) / CITY OF MENASHA / WINNEBAGO COUNTY

CB 300 / SYSTEM INTERCHANGE (EAST) / ROLAND KAMPO BRIDGE

240/480 VOLT / SINGLE PHASE / 200 AMP SERVICE

MAIN LUGS ONLY METER PEDESTAL (EXISTING)

CIRCUIT DESCRIPTIONS:

CTK. A/B - RAMP FSW / FNE / B-70-402 BRIDGE - (EXISTING)

CTK. C - RAMP FNE & BRIDGE B-70-403 SOUTH PARAPET - (EXISTING)

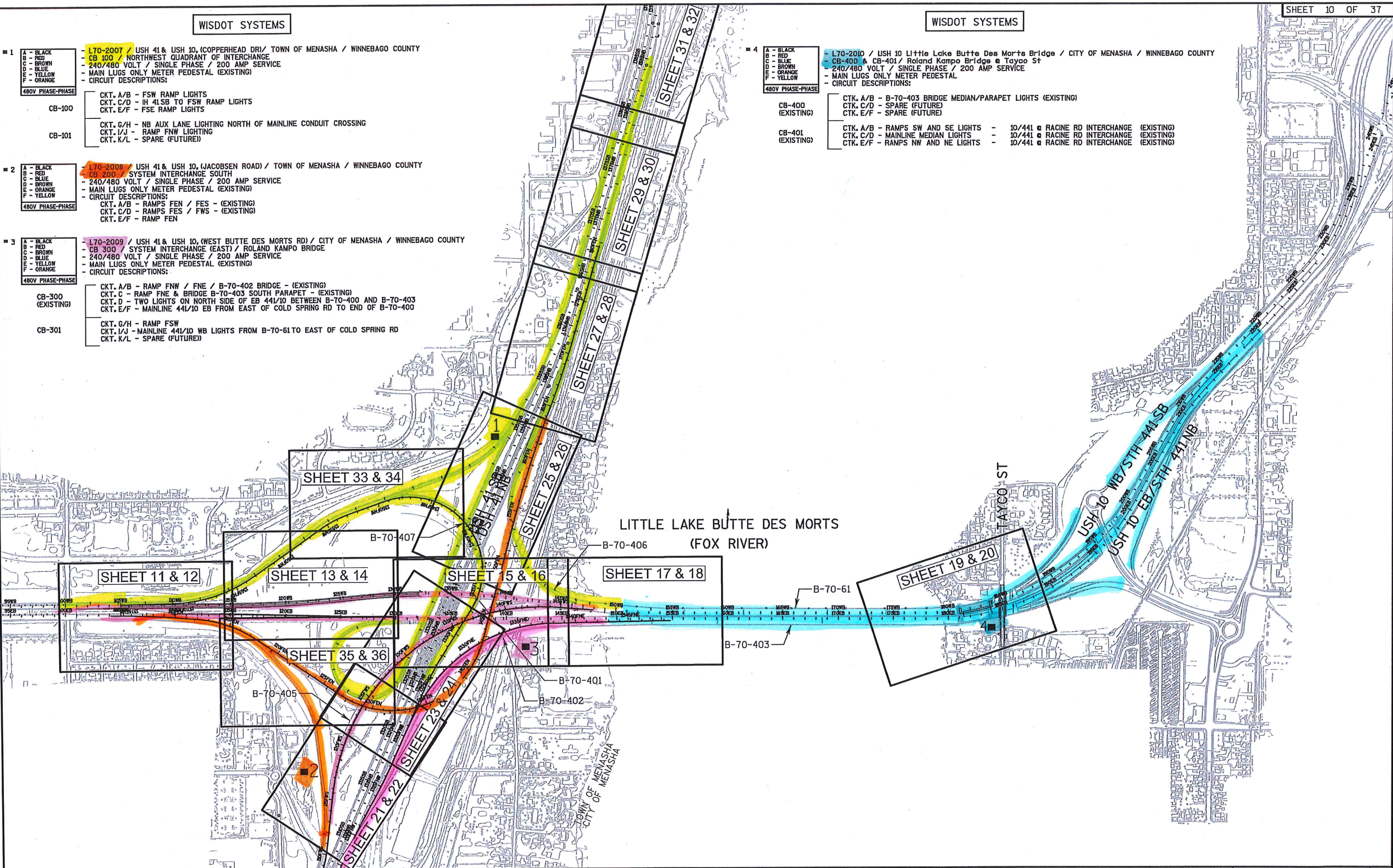
CTK. D - TWO LIGHTS ON NORTH SIDE OF EB 441/10 BETWEEN B-70-400 AND B-70-403

CTK. E/F - MAINLINE 441/10 EB FROM EAST OF COLD SPRING RD TO END OF B-70-400

CTK. G/H - RAMP FSW

CTK. I/J - MAINLINE 441/10 WB LIGHTS FROM B-70-61 TO EAST OF COLD SPRING RD

CTK. K/L - SPARE (FUTURE)



WISDOT SYSTEMS

- 4

A - BLACK
B - RED
C - BLUE
D - BROWN
E - ORANGE
F - YELLOW

480V PHASE-PHASE

CB-400 (EXISTING)

CB-401 (EXISTING)
- L70-2010 / USH 10 Little Lake Butte Des Morts Bridge / CITY OF MENASHA / WINNEBAGO COUNTY

CB-400 & CB-401 / Roland Kampe Bridge @ Tayco St

240/480 VOLT / SINGLE PHASE / 200 AMP SERVICE

MAIN LUGS ONLY METER PEDESTAL

CIRCUIT DESCRIPTIONS:

CTK. A/B - B-70-403 BRIDGE MEDIAN/PARAPET LIGHTS (EXISTING)

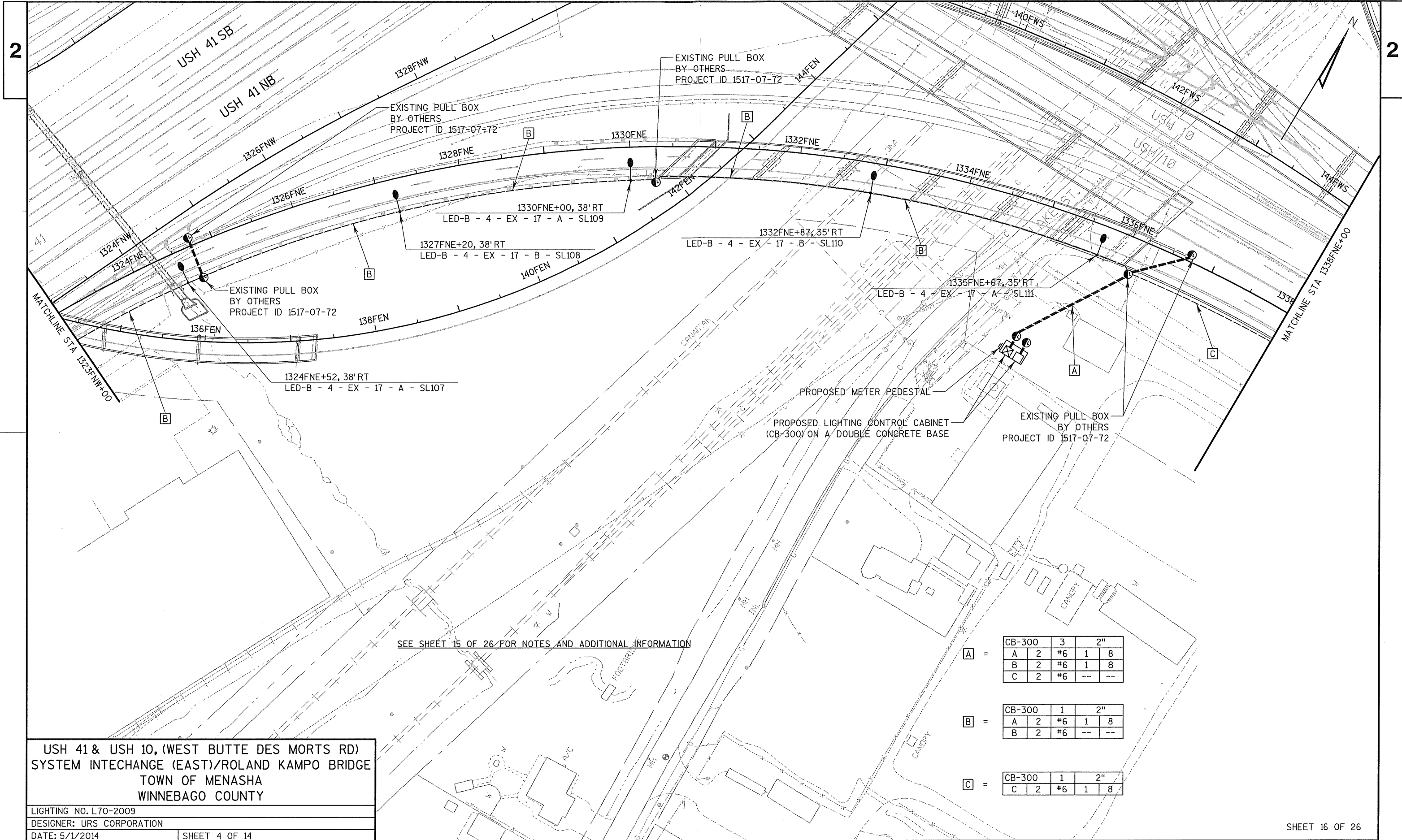
CTK. C/D - SPARE (FUTURE)

CTK. E/F - SPARE (FUTURE)

CTK. A/B - RAMP SW AND SE LIGHTS - 10/441 @ RACINE RD INTERCHANGE (EXISTING)

CTK. C/D - MAINLINE MEDIAN LIGHTS - 10/441 @ RACINE RD INTERCHANGE (EXISTING)

CTK. E/F - RAMP NW AND NE LIGHTS - 10/441 @ RACINE RD INTERCHANGE (EXISTING)



SEE SHEET 15 OF 26 FOR NOTES AND ADDITIONAL INFORMATION

USH 41 & USH 10, (WEST BUTTE DES MORTS RD)
SYSTEM INTECHANGE (EAST)/ROLAND KAMPO BRIDGE
TOWN OF MENASHA
WINNEBAGO COUNTY

LIGHTING NO. L70-2009

DESIGNER: URS CORPORATION

DATE: 5/1/2014 SHEET 4 OF 14

PROJECT NO: 1517-07-76

HWY: USH 10

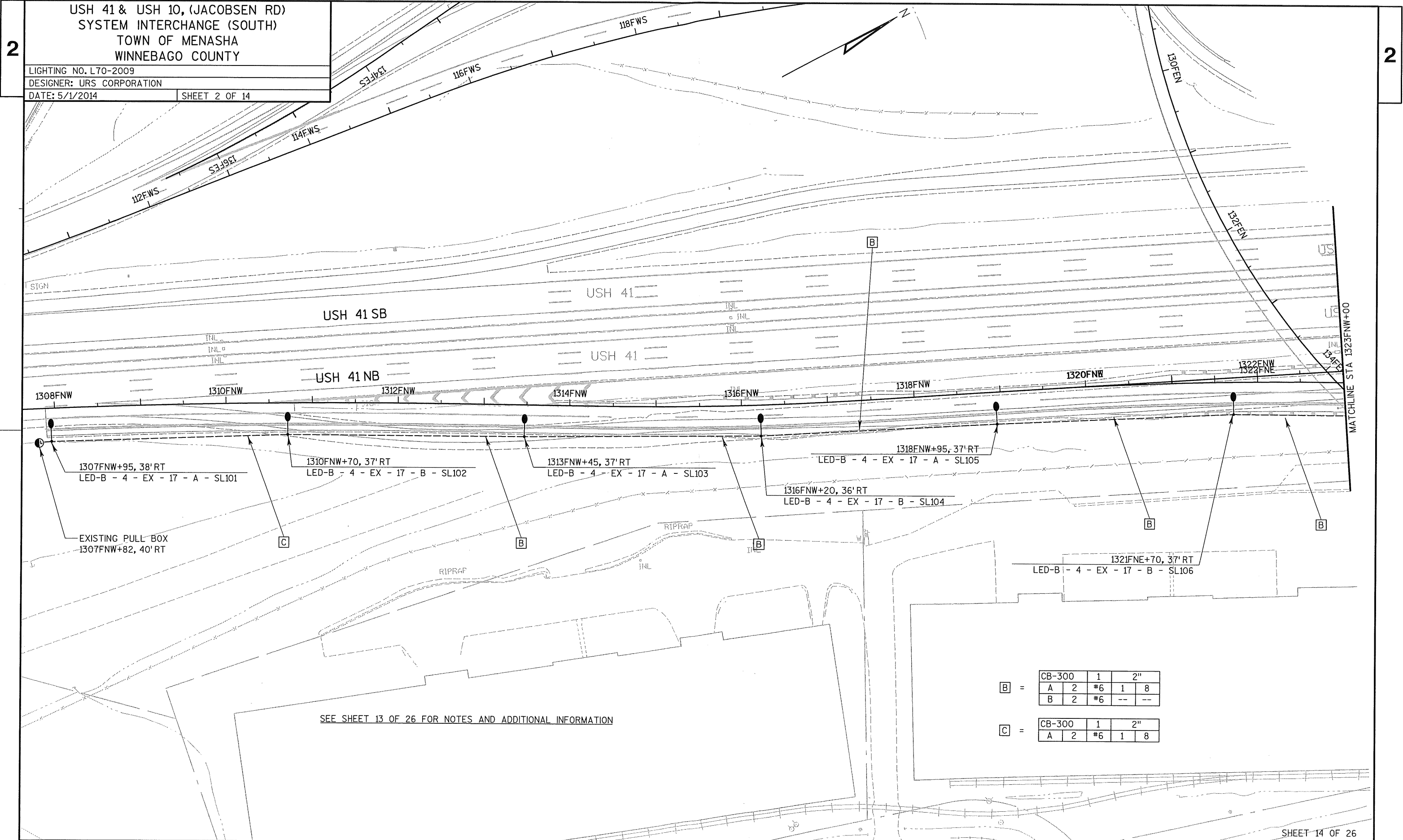
COUNTY: WINNEBAGO

LIGHTING PLAN - WIRING SCHEMATIC - FNE RAMP

SHEET

242

E



2

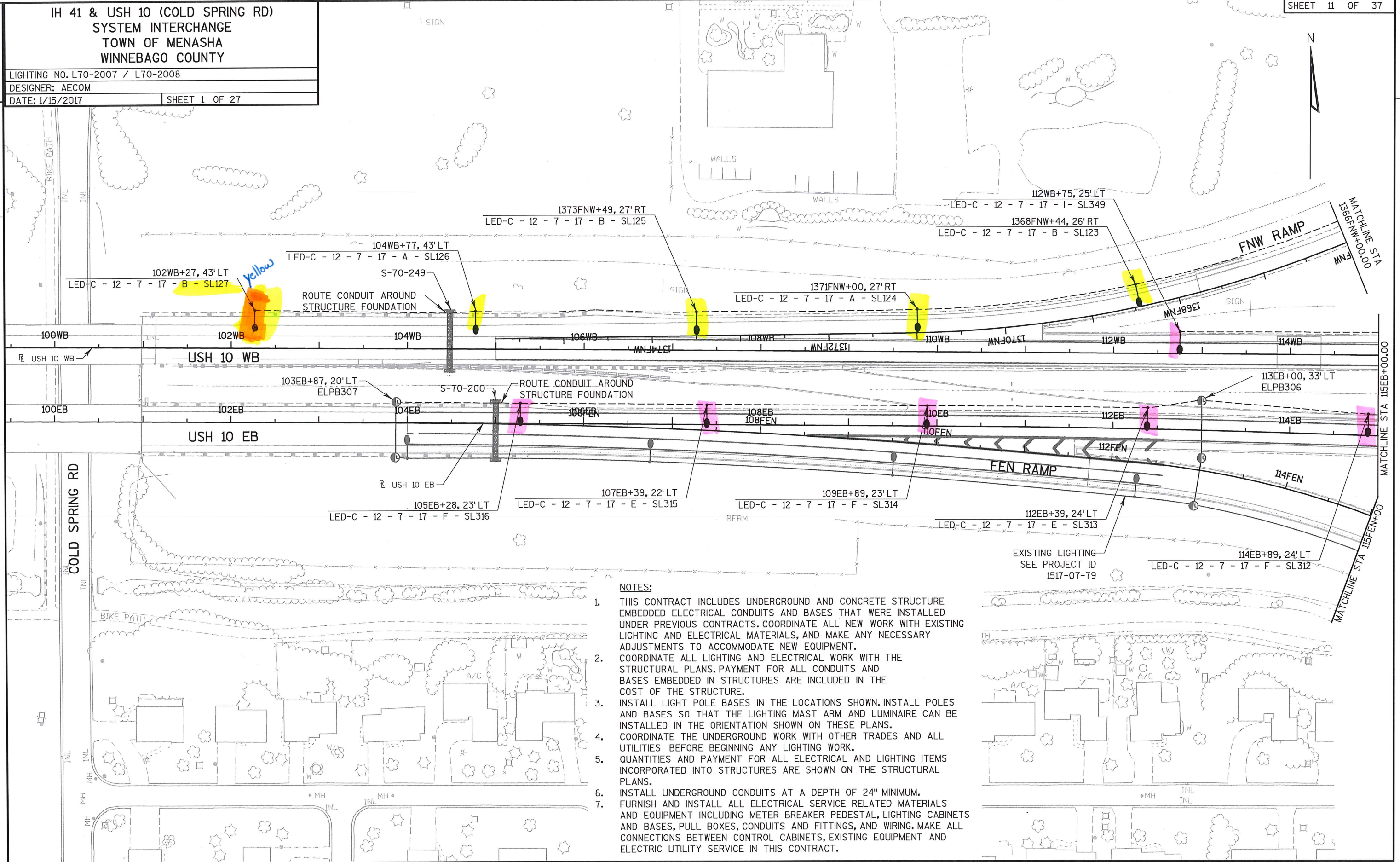
IH 41 & USH 10 (COLD SPRING RD)
SYSTEM INTERCHANGE
TOWN OF MENASHA
WINNEBAGO COUNTY

LIGHTING NO. L70-2007 / L70-2008

DESIGNER: AECOM

DATE: 1/15/2017

SHEET 1 OF 27



- NOTES:
- THIS CONTRACT INCLUDES UNDERGROUND AND CONCRETE STRUCTURE EMBEDDED ELECTRICAL CONDUITS AND BASES THAT WERE INSTALLED UNDER PREVIOUS CONTRACTS. COORDINATE ALL NEW WORK WITH EXISTING LIGHTING AND ELECTRICAL MATERIALS, AND MAKE ANY NECESSARY ADJUSTMENTS TO ACCOMMODATE NEW EQUIPMENT.
 - COORDINATE ALL LIGHTING AND ELECTRICAL WORK WITH THE STRUCTURAL PLANS. PAYMENT FOR ALL CONDUITS AND BASES EMBEDDED IN STRUCTURES ARE INCLUDED IN THE COST OF THE STRUCTURE.
 - INSTALL LIGHT POLE BASES IN THE LOCATIONS SHOWN. INSTALL POLES AND BASES SO THAT THE LIGHTING MAST ARM AND LUMINAIRE CAN BE INSTALLED IN THE ORIENTATION SHOWN ON THESE PLANS.
 - COORDINATE THE UNDERGROUND WORK WITH OTHER TRADES AND ALL UTILITIES BEFORE BEGINNING ANY LIGHTING WORK.
 - QUANTITIES AND PAYMENT FOR ALL ELECTRICAL AND LIGHTING ITEMS INCORPORATED INTO STRUCTURES ARE SHOWN ON THE STRUCTURAL PLANS.
 - INSTALL UNDERGROUND CONDUITS AT A DEPTH OF 24" MINIMUM.
 - FURNISH AND INSTALL ALL ELECTRICAL SERVICE RELATED MATERIALS AND EQUIPMENT INCLUDING METER BREAKER PEDESTAL, LIGHTING CABINETS AND BASES, PULL BOXES, CONDUITS AND FITTINGS, AND WIRING. MAKE ALL CONNECTIONS BETWEEN CONTROL CABINETS, EXISTING EQUIPMENT AND ELECTRIC UTILITY SERVICE IN THIS CONTRACT.

IH 41 & USH 10/STH 441 SYSTEM INTERCHANGE TOWN OF MENASHA WINNEBAGO COUNTY

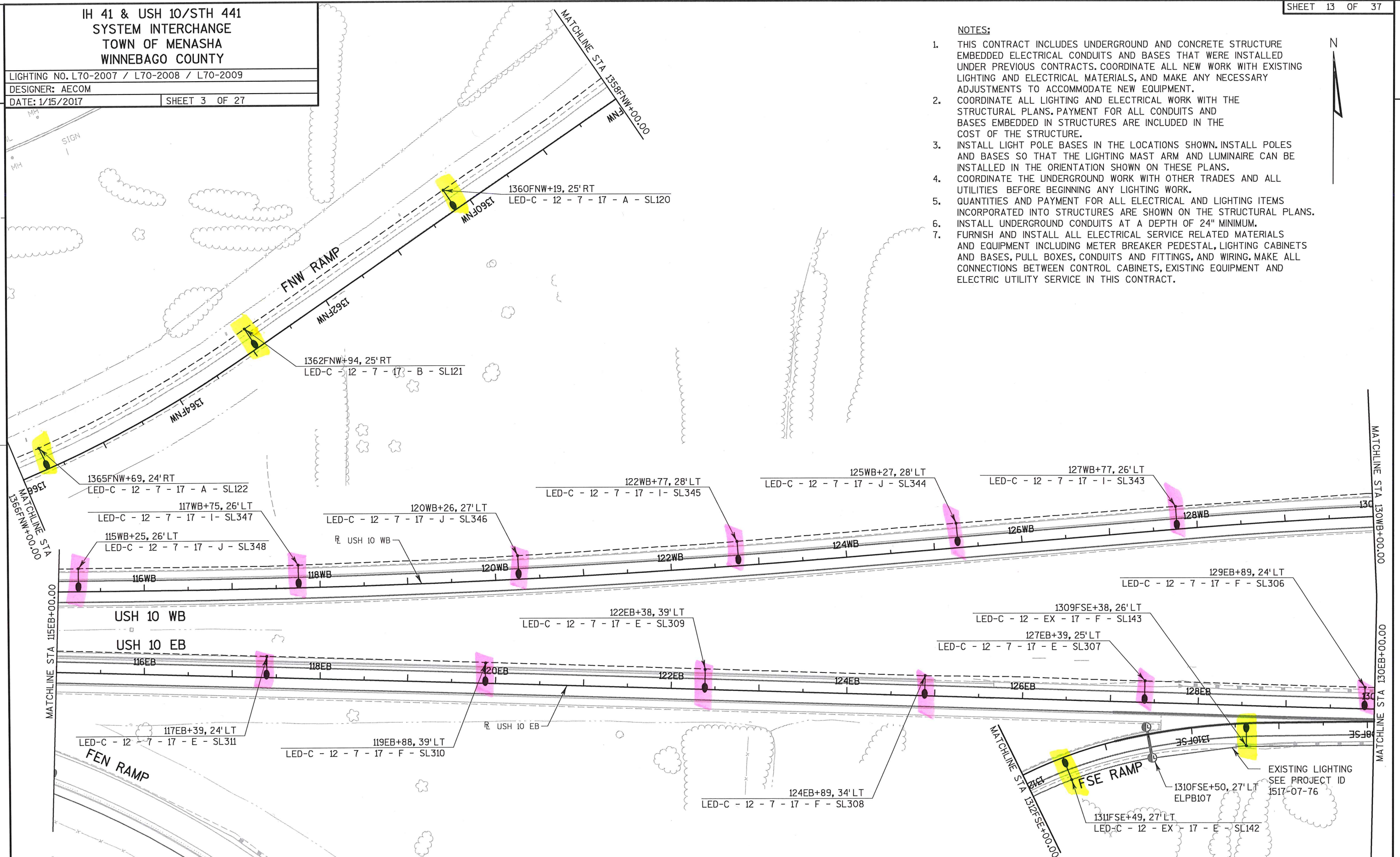
LIGHTING NO. L70-2007 / L70-2008 / L70-2009

DESIGNER: AECOM

DATE: 1/15/2017 SHEET 3 OF 27

NOTES:

1. THIS CONTRACT INCLUDES UNDERGROUND AND CONCRETE STRUCTURE EMBEDDED ELECTRICAL CONDUITS AND BASES THAT WERE INSTALLED UNDER PREVIOUS CONTRACTS. COORDINATE ALL NEW WORK WITH EXISTING LIGHTING AND ELECTRICAL MATERIALS, AND MAKE ANY NECESSARY ADJUSTMENTS TO ACCOMMODATE NEW EQUIPMENT.
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7. FURNISH AND INSTALL ALL ELECTRICAL SERVICE RELATED MATERIALS AND EQUIPMENT INCLUDING METER BREAKER PEDESTAL, LIGHTING CABINETS AND BASES, PULL BOXES, CONDUITS AND FITTINGS, AND WIRING. MAKE ALL CONNECTIONS BETWEEN CONTROL CABINETS, EXISTING EQUIPMENT AND ELECTRIC UTILITY SERVICE IN THIS CONTRACT.



PROJECT NO: 1517-07-80

HWY: USH 10

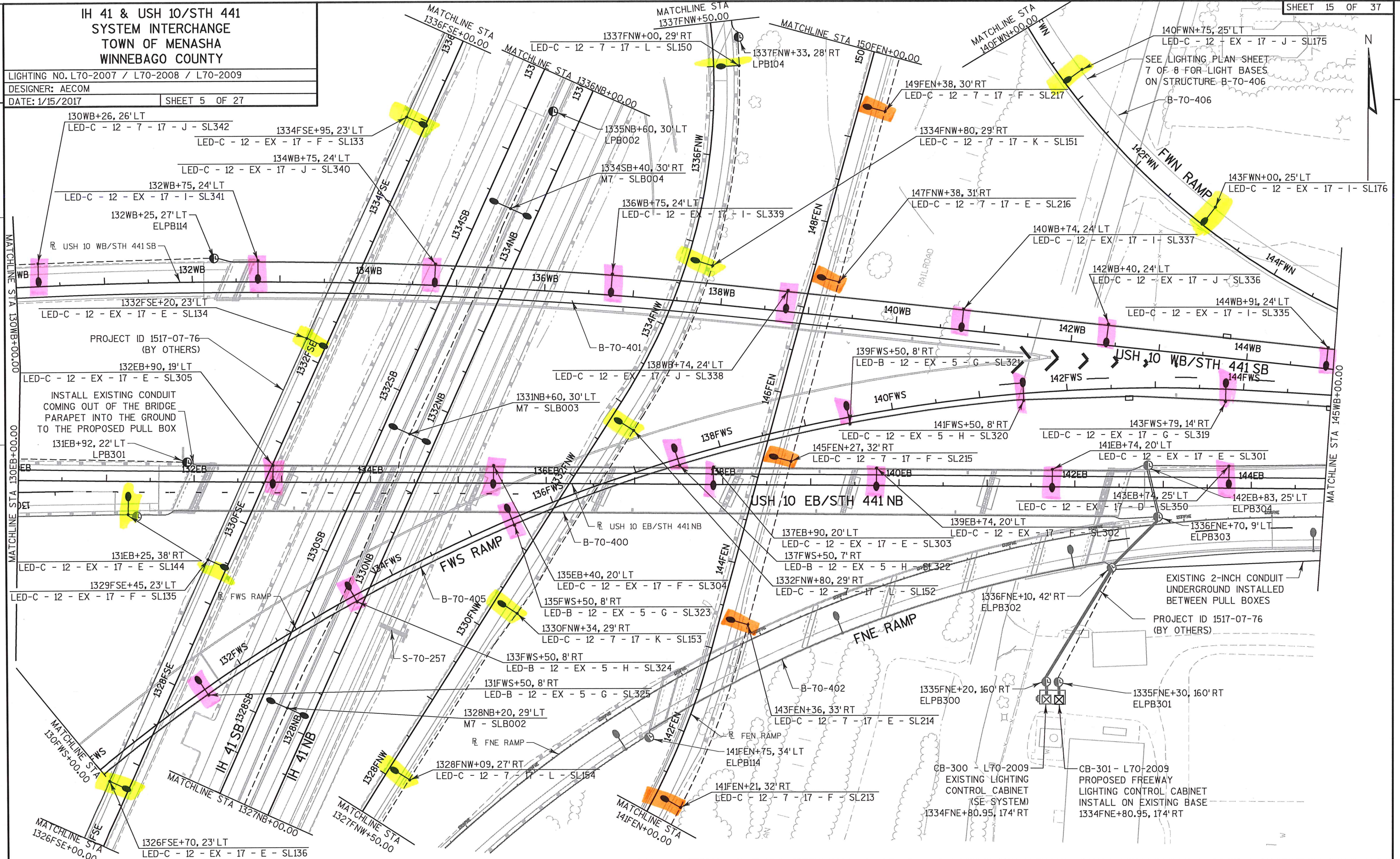
COUNTY: WINNEBAGO

LIGHTING PLAN - USH 10 / STH 441

SHEET PRE_181

LIGHTING NO. L70-2007 / L70-2008 / L70-2009	
DESIGNER: AECOM	
DATE: 1/15/2017	SHEET 5 OF 27

SHEET 5 OF 27



PROJECT NO: 1517-07-80

HWY: USH 10

COUNTY: WINNEBAGO

LIGHTING PLAN - USH 10 / STH 441

SHEET PRE 183 E

FILE NAME : \\S1102K306\projects\Transportation\US 10 WIS 441\CADD\sheets\15170780\023515_lp.dgn

PLOT DATE : 6/22/2016

PLOT BY : jessica_meddaugh

PLOT NAME :

PLOT SCALE : 100.0000 sf / in.

WISDOT/CADDS SHEET 42

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2 IH 41 & USH 10 (WEST BUTTE DES MORTS RD)
SYSTEM INTERCHANGE
TOWN OF MENASHA
WINNEBAGO COUNTY

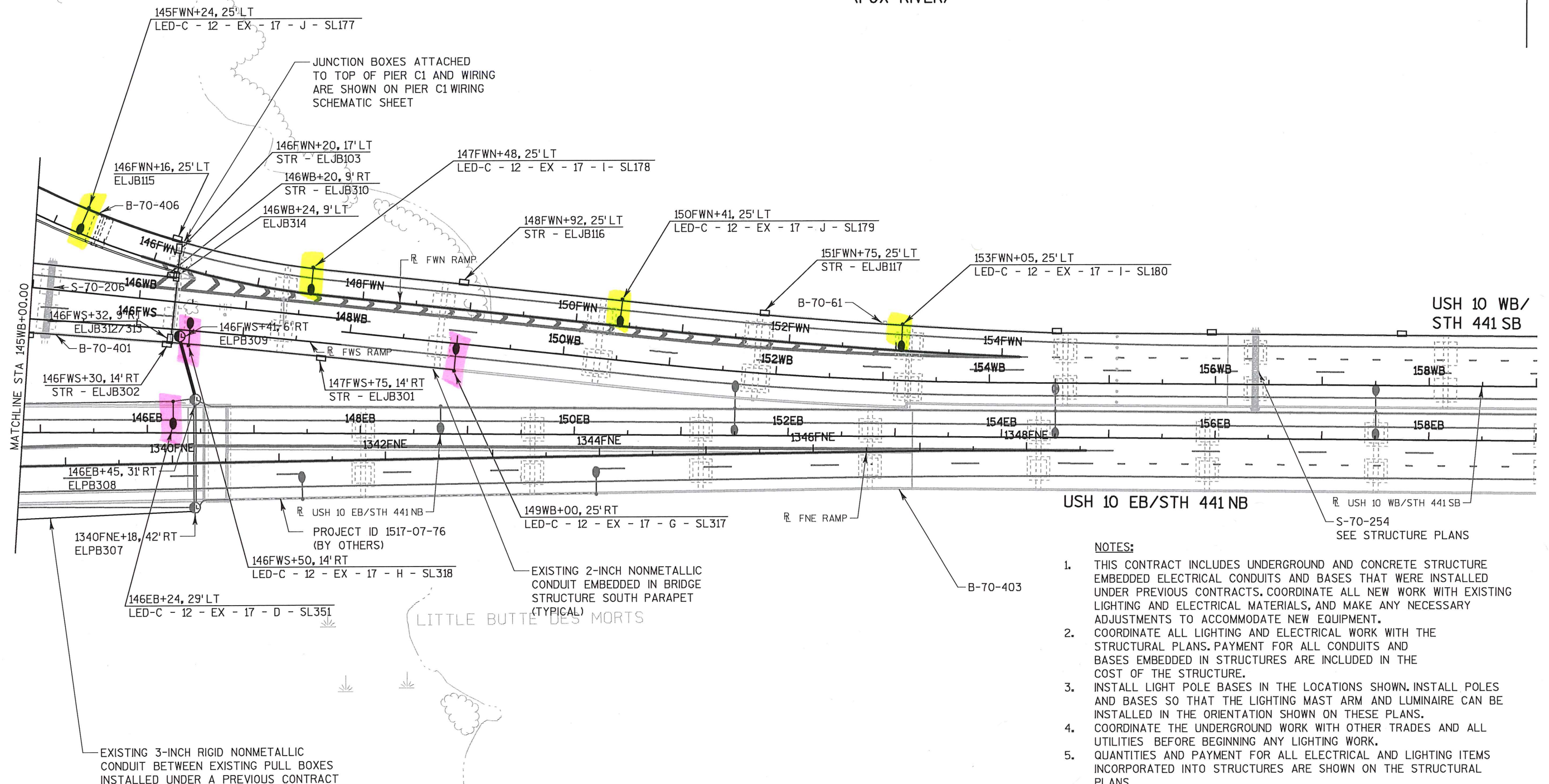
LIGHTING NO. L70-2009 / L70-2010

DESIGNER: AECOM

DATE: 1/15/2017 SHEET 7 OF 27

SHEET 17 OF 37

LITTLE LAKE BUTTE DES MORTS
(FOX RIVER)



NOTES:

1. THIS CONTRACT INCLUDES UNDERGROUND AND CONCRETE STRUCTURE EMBEDDED ELECTRICAL CONDUITS AND BASES THAT WERE INSTALLED UNDER PREVIOUS CONTRACTS. COORDINATE ALL NEW WORK WITH EXISTING LIGHTING AND ELECTRICAL MATERIALS, AND MAKE ANY NECESSARY ADJUSTMENTS TO ACCOMMODATE NEW EQUIPMENT.
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4. COORDINATE THE UNDERGROUND WORK WITH OTHER TRADES AND ALL UTILITIES BEFORE BEGINNING ANY LIGHTING WORK.
5. QUANTITIES AND PAYMENT FOR ALL ELECTRICAL AND LIGHTING ITEMS INCORPORATED INTO STRUCTURES ARE SHOWN ON THE STRUCTURAL PLANS.
6. INSTALL UNDERGROUND CONDUITS AT A DEPTH OF 24" MINIMUM.
7. FURNISH AND INSTALL ALL ELECTRICAL SERVICE RELATED MATERIALS AND EQUIPMENT INCLUDING METER BREAKER PEDESTAL, LIGHTING CABINETS AND BASES, PULL BOXES, CONDUITS AND FITTINGS, AND WIRING. MAKE ALL CONNECTIONS BETWEEN CONTROL CABINETS, EXISTING EQUIPMENT AND ELECTRIC UTILITY SERVICE IN THIS CONTRACT.

PROJECT NO: 1517-07-80

HWY: USH 10

COUNTY: WINNEBAGO

LIGHTING PLAN - USH 10 / STH 441

SHEET PRE_185 E

FILE NAME : \\S1102K306\projects\Transportation\US 10 WIS 441\CADD\sheet\15170780\023517-1p.dgn

PLOT DATE : 6/22/2016

PLOT BY : jessica_meddaugh

PLOT NAME :

PLOT SCALE : 100.0000 sf / in.

WISDOT/CADD SHEET 42

2

IH 41 & USH 10 (JACOBSEN RD)

SYSTEM INTERCHANGE

TOWN OF MENASHA

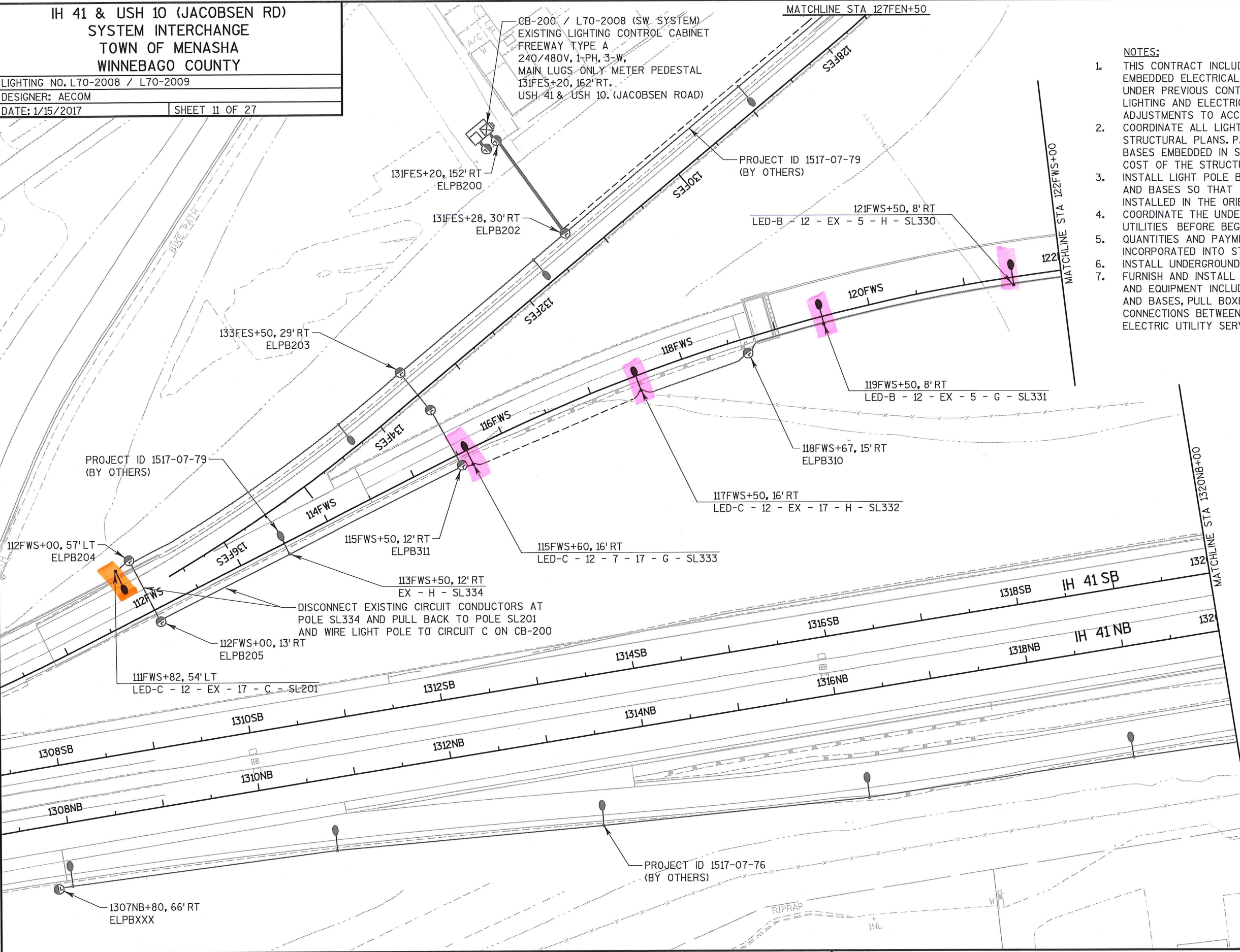
WINNEBAGO COUNTY

LIGHTING NO. L70-2008 / L70-2009

DESIGNER: AECOM

DATE: 1/15/2017

SHEET 11 OF 27



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