

WISDOT SYSTEMS

- 1

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

480V PHASE-PHASE

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:
CKT. A/B - FSW RAMP LIGHTS
CKT. C/D - IH 41SB TO FSW RAMP LIGHTS
CKT. E/F - FSE RAMP LIGHTS
CKT. G/H - NB AUX LANE LIGHTING NORTH OF MAINLINE CONDUIT CROSSING
CKT. I/J - RAMP FSW LIGHTING
CKT. K/L - SPARE (FUTURE)
- 2

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

480V PHASE-PHASE

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:
CKT. A/B - RAMP FEN / FES - (EXISTING)
CKT. C/D - RAMP FES / FWS - (EXISTING)
CKT. E/F - RAMP FEN
- 3

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D - BLUE
E - BROWN
F - ORANGE

480V PHASE-PHASE

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:
CKT. A/B - RAMP FSW / FNE / B-70-402 BRIDGE - (EXISTING)
CKT. C - RAMP FNE & BRIDGE B-70-403 SOUTH PARAPET - (EXISTING)
CKT. D - TWO LIGHTS ON NORTH SIDE OF EB 441/10 BETWEEN B-70-400 AND B-70-403
CKT. E/F - MAINLINE 441/10 EB FROM EAST OF COLD SPRING RD TO END OF B-70-400
CKT. G/H - RAMP FSW
CKT. I/J - MAINLINE 441/10 WB LIGHTS FROM B-70-61 TO EAST OF COLD SPRING RD
CKT. K/L - SPARE (FUTURE)

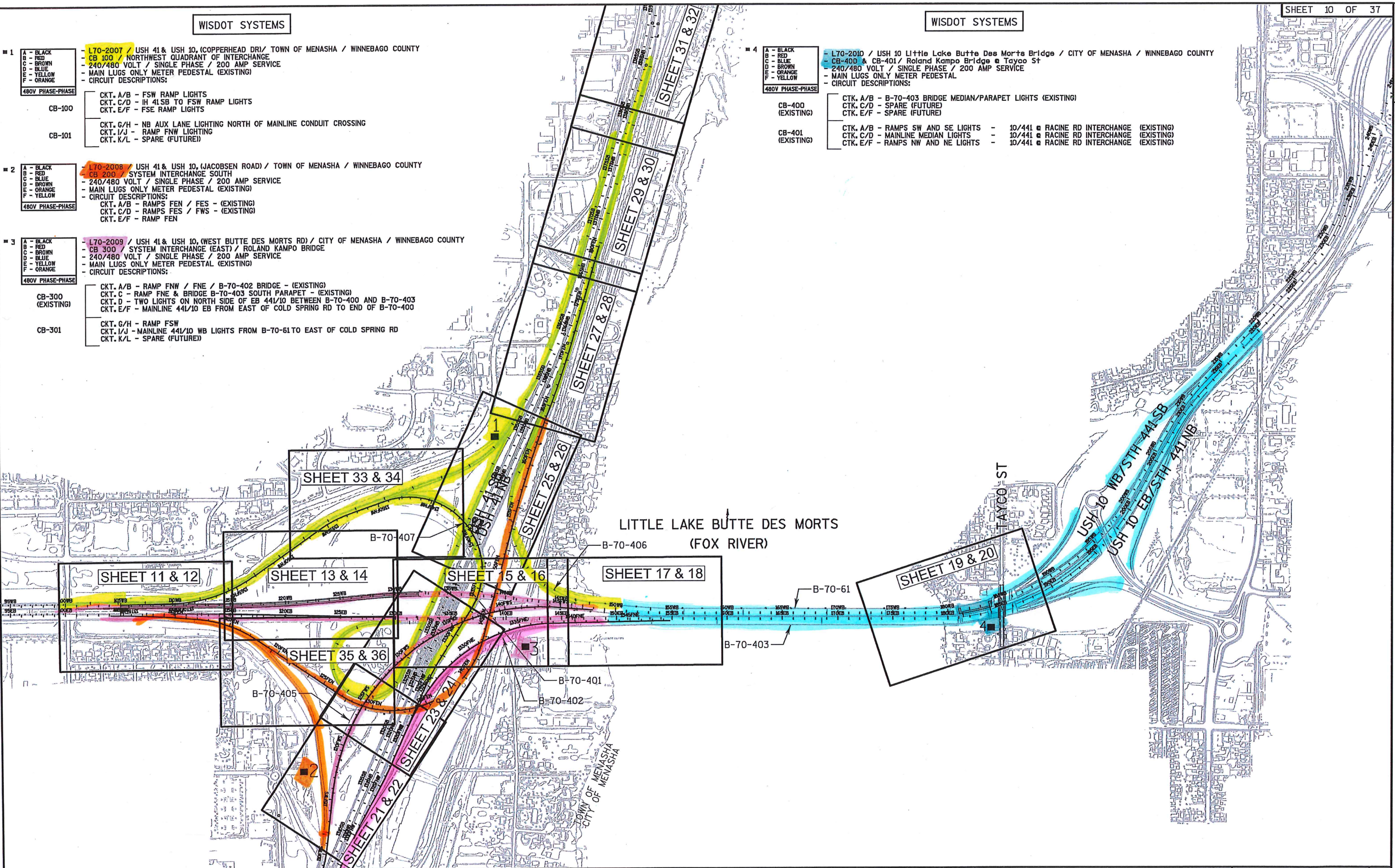
WISDOT SYSTEMS

- 4

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

480V PHASE-PHASE

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)

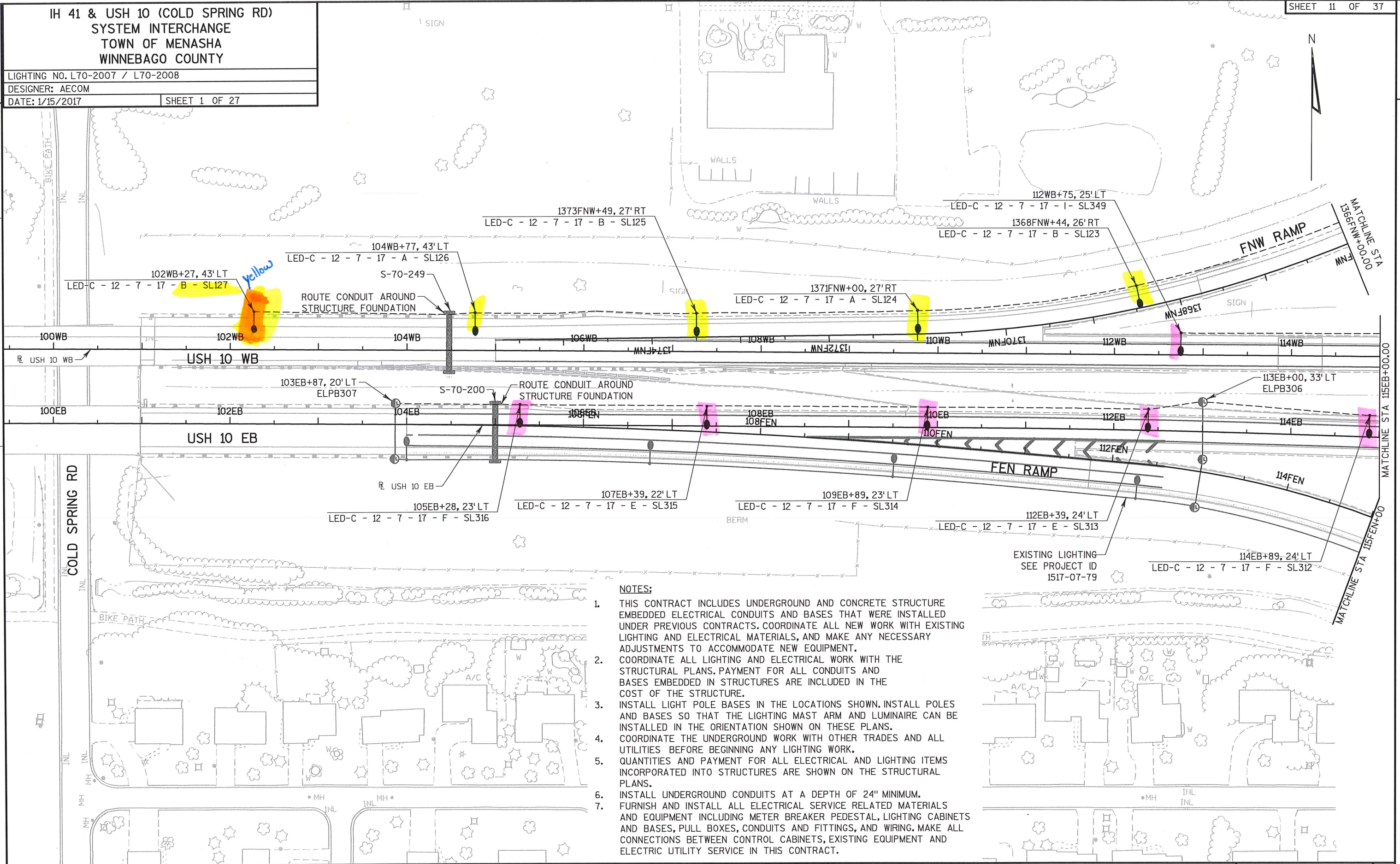


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IH 41 & USH 10 (COLD SPRING RD)
SYSTEM INTERCHANGE
TOWN OF MENASHA
WINNEBAGO COUNTY

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

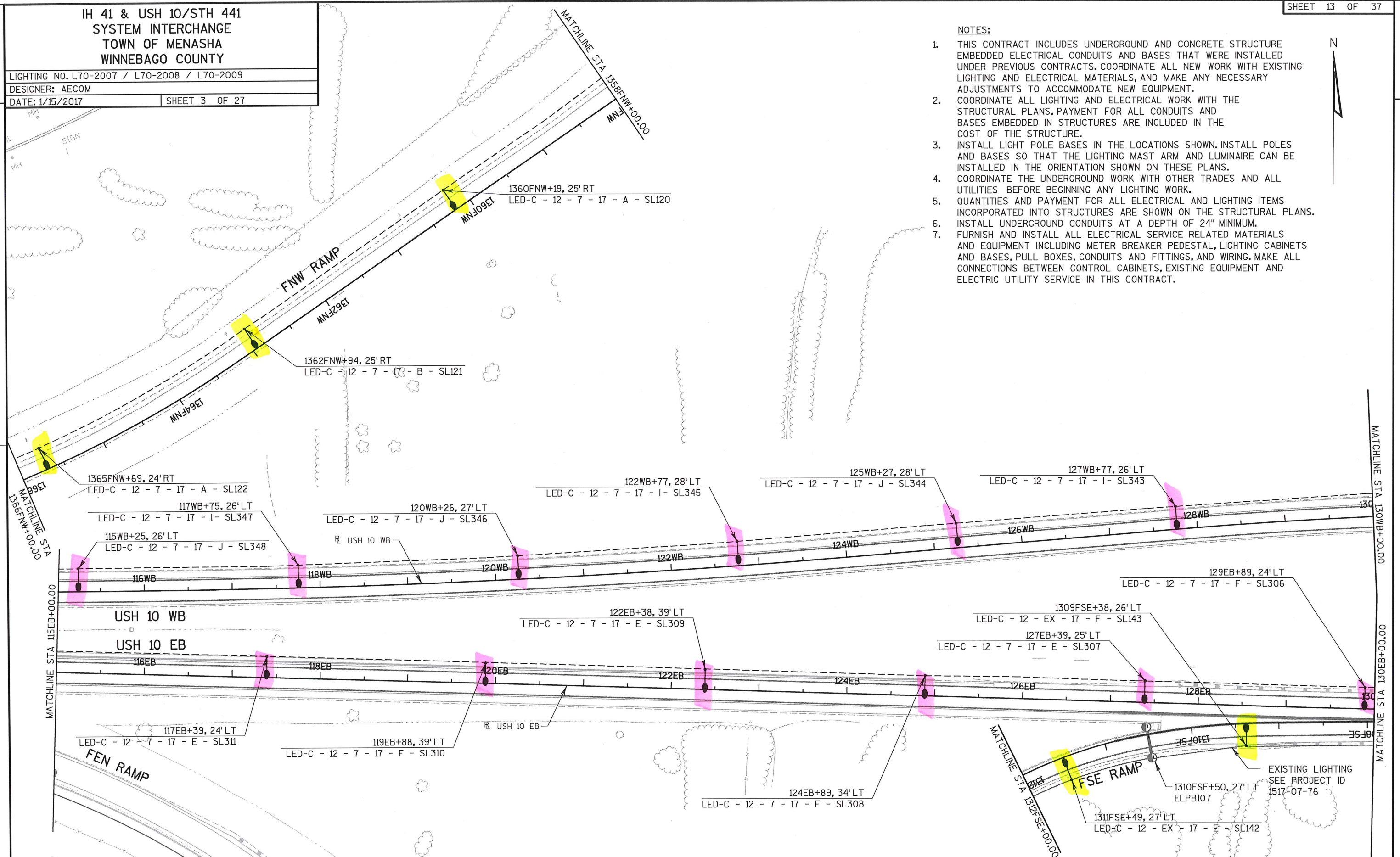
LIGHTING NO. L70-2007 / L70-2008 / L70-2009

DESIGNER: AECOM

DATE: 1/15/2017 SHEET 3 OF 27

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PROJECT NO: 1517-07-80

HWY: USH 10

COUNTY: WINNEBAGO

LIGHTING PLAN - USH 10 / STH 441

SHEET PRE_181

2

DATE: 1/15/2017	SHEET 5 OF 27
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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

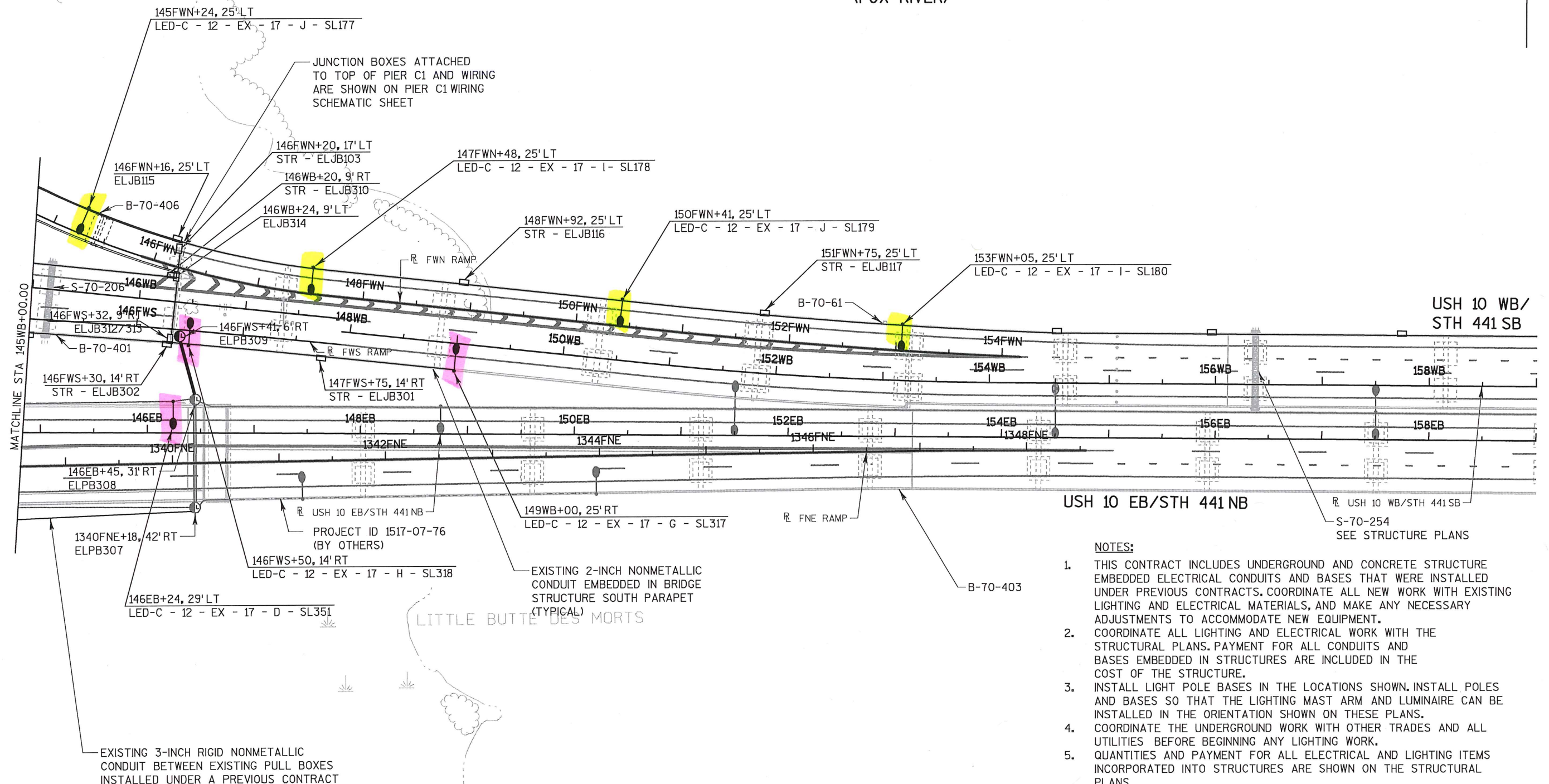
DESIGNER: AECOM

DATE: 1/15/2017

SHEET 7 OF 27

SHEET 17 OF 37

LITTLE LAKE BUTTE DES MORTS
(FOX RIVER)



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 (COPPERHEAD DR)
SYSTEM INTERCHANGE
TOWN OF MENASHA
WINNEBAGO COUNTY

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

DESIGNER: AECOM

DATE: 1/15/2017

SHEET 15 OF 27

SHEET 25 OF 37

2

The diagram illustrates the lighting layout for the IH 41 & USH 10 (Copperhead Dr) System Interchange in Menasha, Winnebago County. It shows the interchange structure with various ramps and travel lanes, along with the placement of lighting fixtures and their specifications.

Key Features and Callouts:

- Matchlines:** STA 1336FSE+00.00, STA 1336NB+00.00, STA 1336FW+50.00, STA 140FW+00.00, STA 1351NB+00.00.
- Ramps:** FSW RAMP, FEN RAMP, FWN RAMP.
- Lighting Fixtures and Specifications:**
 - 1337FSE+70, 23' LT LED-C - 12 - EX - 17 - E - SL132
 - 1341FW+00, 25' RT LED-C - 12 - 7 - 17 - L - SL148
 - 1342FW+80, 28' RT LED-C - 12 - 7 - 17 - K - SL147
 - 1342FW+00, 27' RT LPB103
 - 1343FSE+10, 23' LT LED-C - 12 - EX - 17 - E - SL130
 - 1340FSE+40, 23' LT LED-C - 12 - EX - 17 - F - SL131
 - 1344FSW+24, 27' LT LED-C - 12 - EX - 17 - A - SL113 NOTE 6, 7
 - 1347FSW+02, 27' LT LED-C - 12 - EX - 17 - A - SL112
 - 1346FSE+00, 27' LT ELPB106
 - 1345FSE+80, 32' LT LED-C - 12 - EX - 17 - F - SL129
 - 1346FSE+00, 11' RT ELPB105
 - 1349FSW+80, 39' LT LED-C - 12 - EX - 17 - C - SL111
 - 1347FSW+73, 53' LT ELPB101
 - 1347FSW+73, 53' LT ELPB100
 - 1349FSE+25, 16' RT ELPB104
 - 1349FSE+25, 32' LT ELPB103
 - 1350FSE
 - 1348FSE
 - 1348FSE+50, 12' RT LED-C - 12 - EX - 17 - E - SL128
 - 1348NB
 - 1346NB
 - 1344NB
 - 1342NB
 - 1340NB
 - 1338NB
 - 1338SB
 - 1340SB
 - 1342SB
 - 1344SB
 - 1346SB
 - 1348SB
 - 1350SB
 - 1346FW+00, 27' LT LED-C - 12 - 7 - 17 - J - SL171
 - 1339FW+00, 25' RT LED-C - 12 - 7 - 17 - K - SL149
 - 1336FW+00, 29' LT LED-C - 12 - 7 - 17 - J - SL173
 - 136FW+07, 31' LT ELPB111
 - 133FW+85, 29' LT LED-C - 12 - 7 - 17 - I - SL172
 - 129FW+25, 26' LT LED-C - 12 - 7 - 17 - I - SL170
 - 160FEN
 - 158FEN
 - 156FEN
 - 154FEN
 - 152FEN
 - 151FEN+38, 35' RT LED-C - 12 - 7 - 17 - E - SL218
 - 153FEN+38, 30' RT LED-C - 12 - 7 - 17 - F - SL219
 - 155FEN+38, 30' RT LED-C - 12 - 7 - 17 - E - SL220
 - 157FEN+38, 30' RT LED-C - 12 - 7 - 17 - F - SL221
 - 159FEN+38, 31' RT LED-C - 12 - 7 - 17 - E - SL222
 - 161FEN+50, 10' LT LPB101
 - 161FEN+50, 32' RT LPB102
 - 161FEN+38, 31' RT LED-C - 12 - 7 - 17 - F - SL223
 - 138FW+50, 25' LT LED-C - 12 - EX - 17 - I - SL174
- Notes:**
 - INSTALL NEW CONDUIT TO FIRST PULL BOX
 - CB-100 & CB-101 - L70-2007 PROPOSED LIGHTING CONTROL CABINETS INSTALL ON EXISTING DOUBLE BASE 1347FSW+86.61, 78.15 LT USH 41 & USH 10, (COPPERHEAD DR)
 - CONNECT TO EXISTING PROJECT ID 1517-07-76 (BY OTHERS)

PROJECT NO: 1517-07-80

HWY: USH 10

COUNTY: WINNEBAGO

LIGHTING PLAN - USH 10 / STH 441

SHEET PRE_193

E

FILE NAME : \\S1102K306\projects\Transportation\US 10 WIS 441\CADD\sheet\15170780\023525-1p.dgn

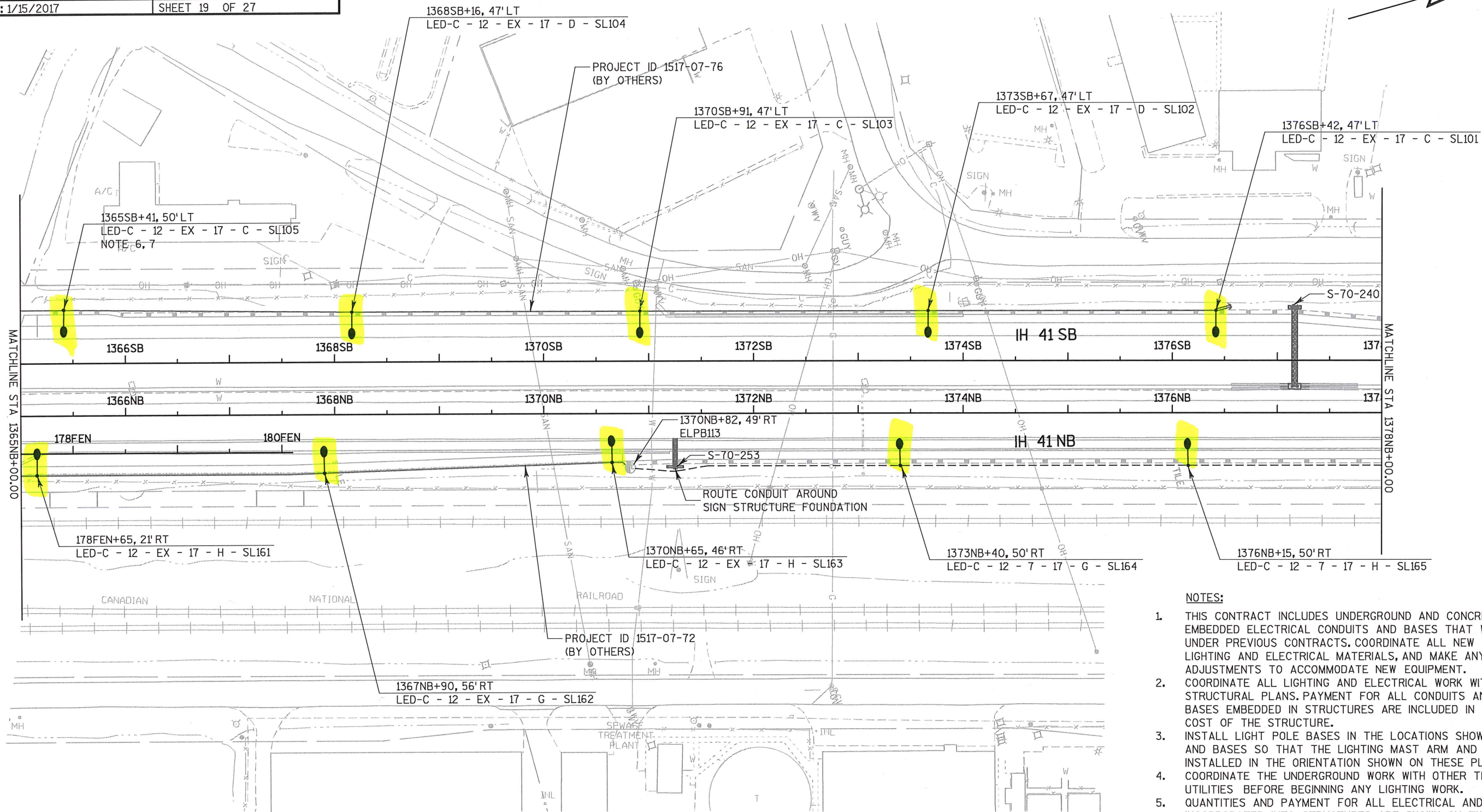
PLOT DATE : 6/22/2016

PLOT BY : jessica_meddaugh

PLOT NAME :

PLOT SCALE : 100.0000 sf / in.

WISDOT/CADD SHEET 42



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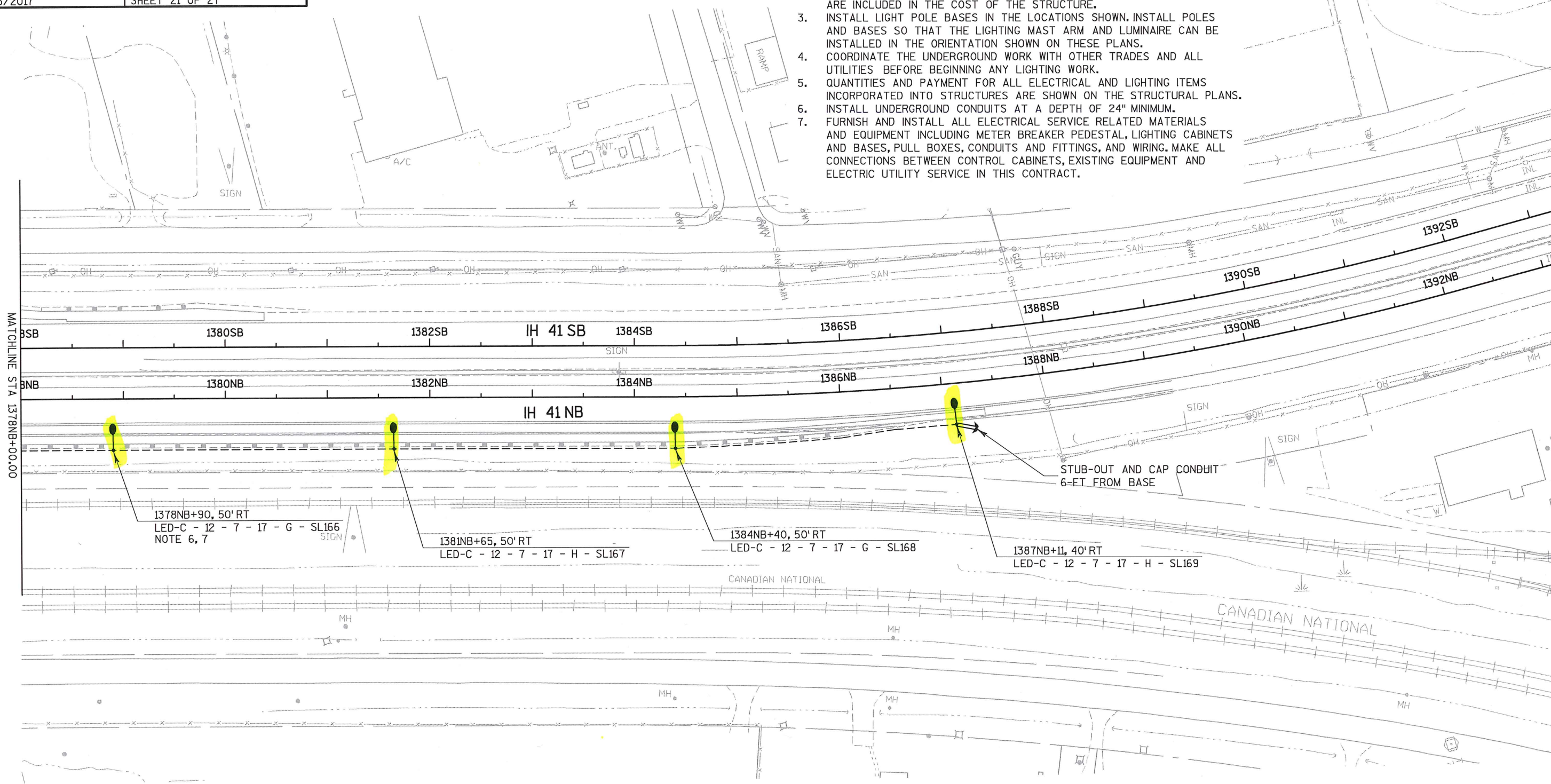
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IH 41 & USH 10 (IH 41 NB)
SYSTEM INTERCHANGE
TOWN OF MENASHA
WINNEBAGO COUNTY

LIGHTING NO. L70-2007
DESIGNER: AECOM
DATE: 1/15/2017

SHEET 21 OF 27

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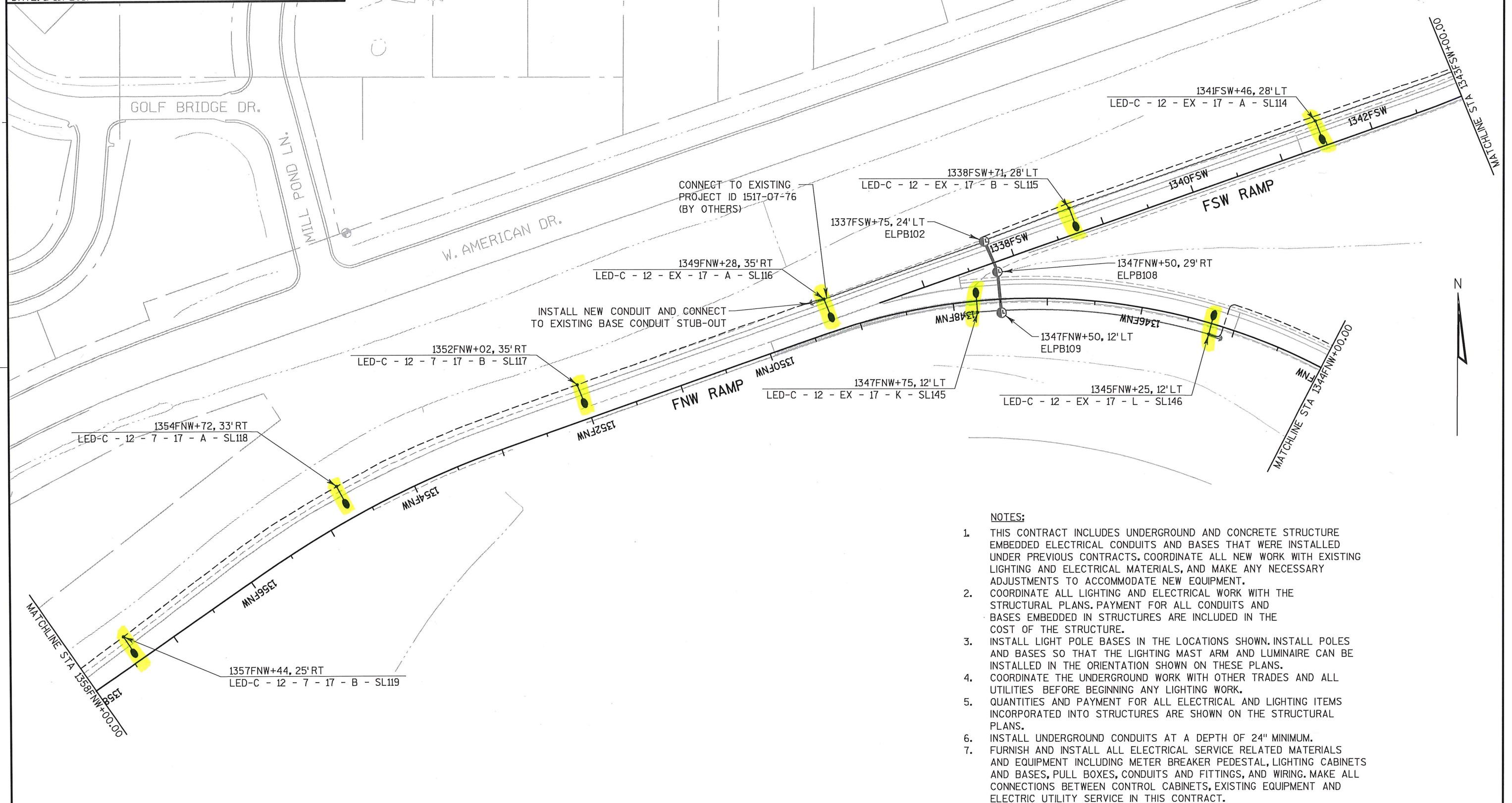
IH 41 & USH 10 (AMERICAN DR)
 SYSTEM INTERCHANGE
 TOWN OF MENASHA
 WINNEBAGO COUNTY

LIGHTING NO. L70-2007

DESIGNER: AECOM

DATE: 1/15/2017

SHEET 23 OF 27



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IH 41 & USH 10, (JACOBSEN ROAD) SYSTEM INTERCHANGE TOWN OF MENASHA WINNEBAGO COUNTY

LIGHTING NO. L70-2007 / L70-2008

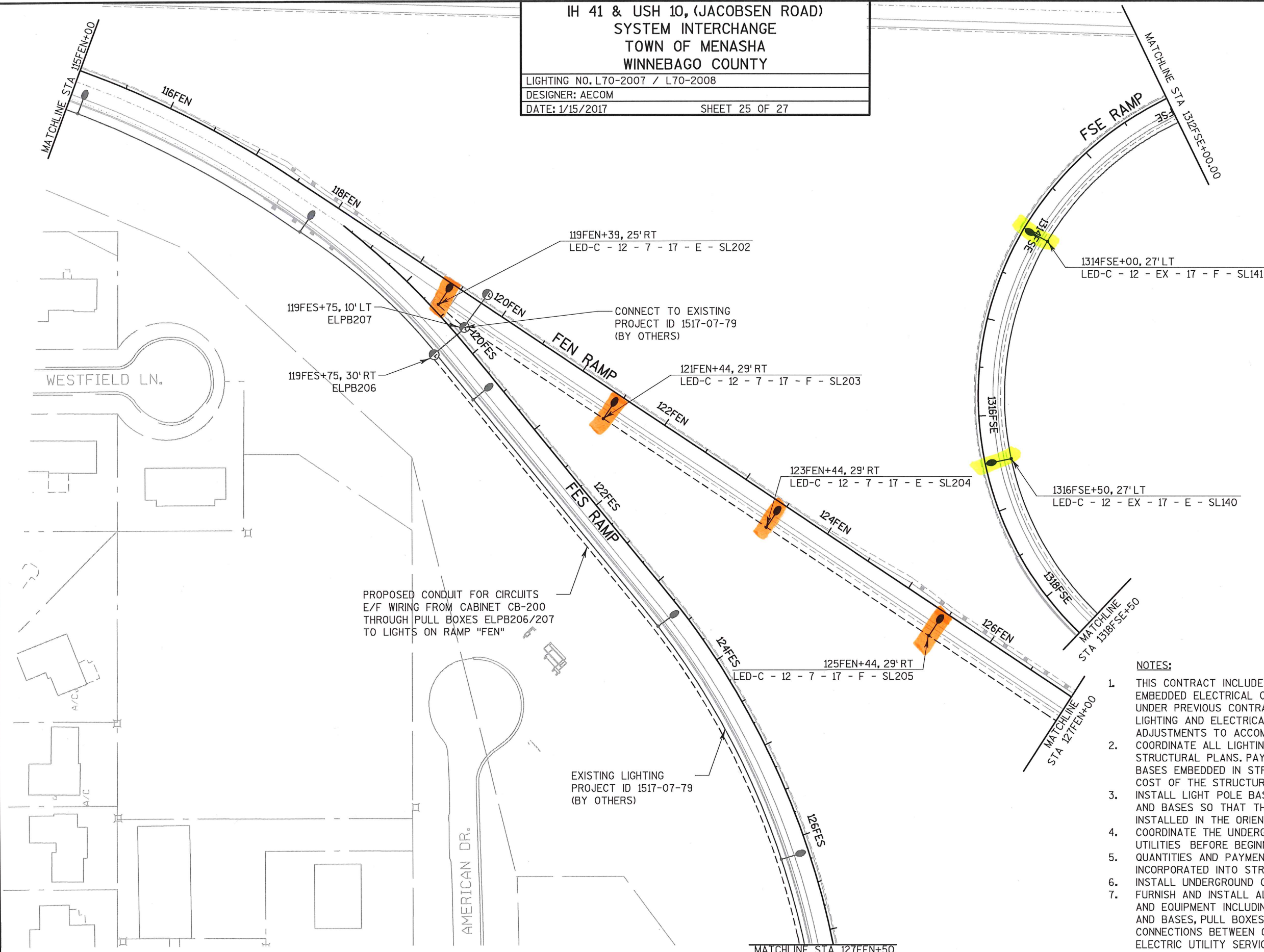
DESIGNER: AECOM

DATE: 1/15/2017

SHEET 25 OF 27

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PROJECT NO: 1517-07-80

HWY: USH 10

COUNTY: WINNEBAGO

LIGHTING PLAN - USH 10 / STH 441

SHEET

PRE_203

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