

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

A - BLACK
B - RED
C - BROWN
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)

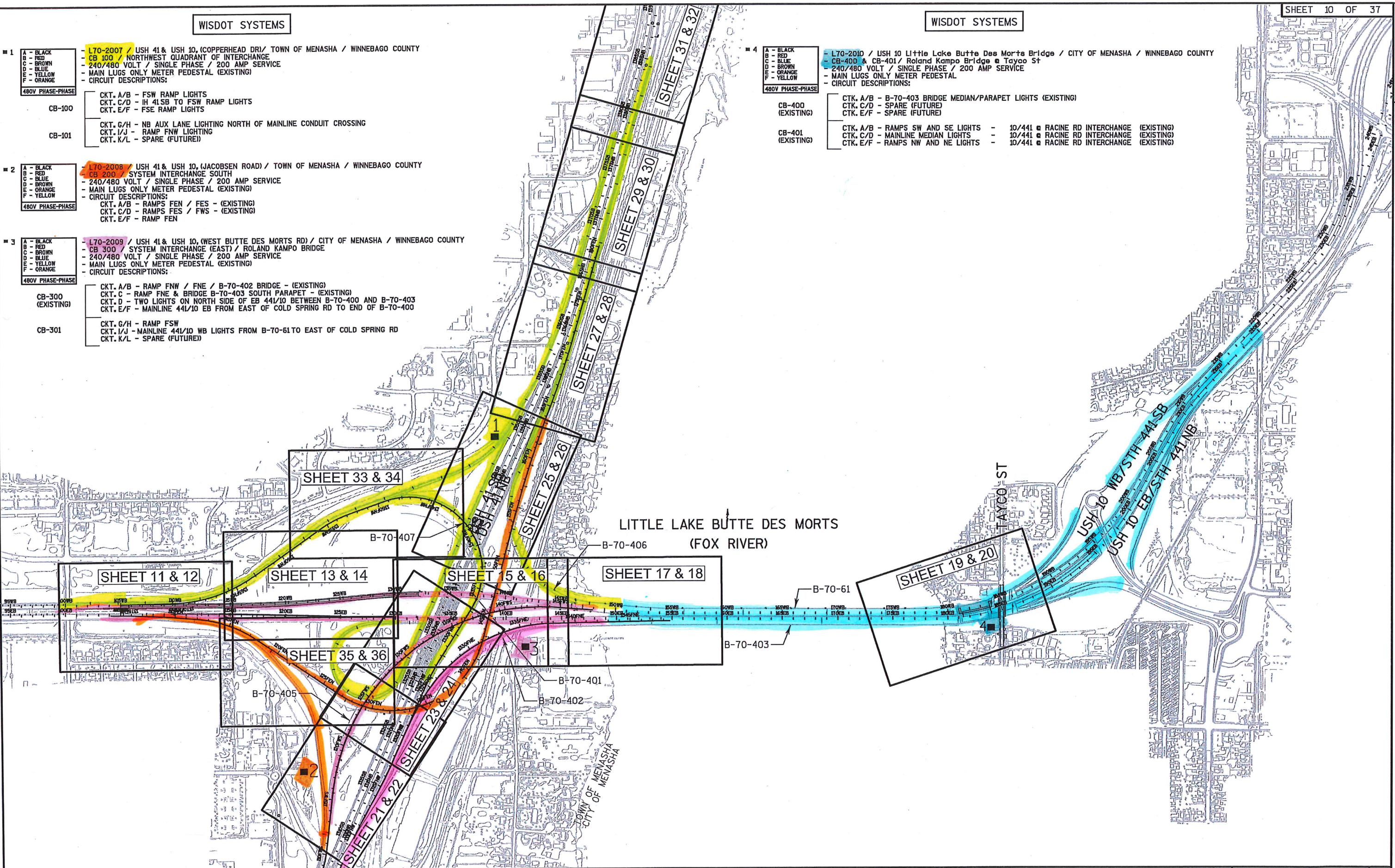
WISDOT SYSTEMS

- 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)



USH 10 BRIDGE (LITTLE LAKE BUTTE DES MORTS)
ROLAND KAMPO BRIDGE (TAYCO ST)
CITY OF MENASHA
WINNEBAGO COUNTY

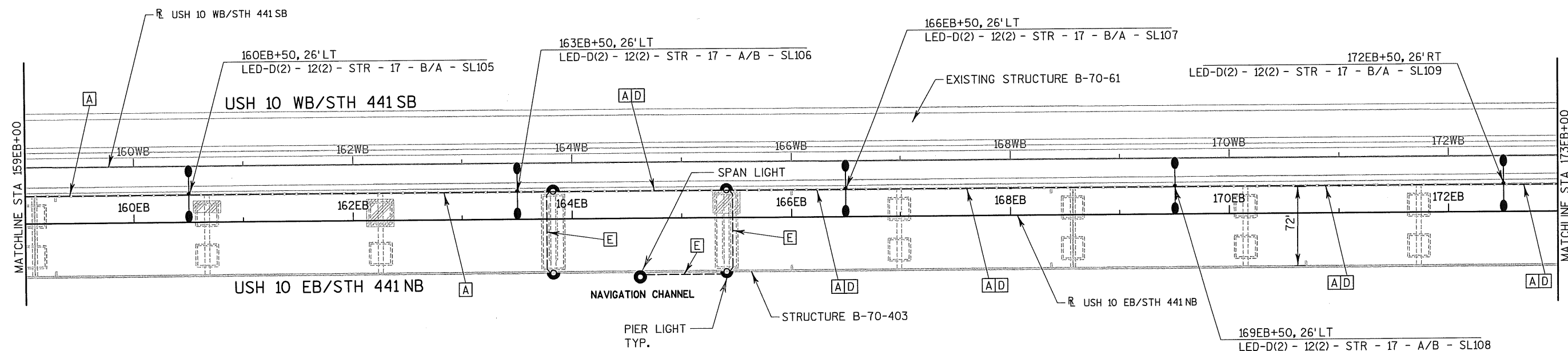
LIGHTING NO. L70-2010

DESIGNER: URS CORPORATION

DATE: 5/1/2014

SHEET 8 OF 14

LITTLE LAKE BUTTE DES MORTS
(FOX RIVER)



A	CB-400					480V
	A	2	#6	1	8	
	B	2	#6	--	--	

D	CB-NAV					120V
	A	2	#10	1	10	
	N	2	#10	--	--	

E	CB-NAV					120V
	B	2	#10	1	10	
	N	2	#10	--	--	

SHEET 20 OF 26

2

USH 10 BRIDGE (LITTLE LAKE BUTTE DES MORTS)

ROLAND KAMPO BRIDGE (TAYCO ST)

CITY OF MENASHA

WINNEBAGO COUNTY

LIGHTING NO. L70-2010

DESIGNER: URS CORPORATION

DATE: 5/1/2014

SHEET 10 OF 14

[B]

=

CB-400	1	2"		
A	2	#6	1	8
B	2	#6	--	--

480V

[C]

=

CB-NAV	1	2"		
A	2	#10	1	10
N	2	#10	--	--

120V

SEE SHEET 21 OF 26 FOR NOTES AND ADDITIONAL INFORMATION

PROJECT NO: 1517-07-76

HWY: USH 10

COUNTY: WINNEBAGO

LIGHTING PLAN - WIRING SCHEMATIC - BRIDGE B-70-403

SHEET 248

E

FILE NAME : \\S1102K306\projects\Transportation\US 10 WIS 441\CADD\sheets\15170776\023522_1p - WD.dgn

PLOT DATE : 5/1/2014

PLOT BY : nick_becker

PLOT NAME :

PLOT SCALE : 100.0000 sf / in.

WISDOT/CADD SHEET 42

2

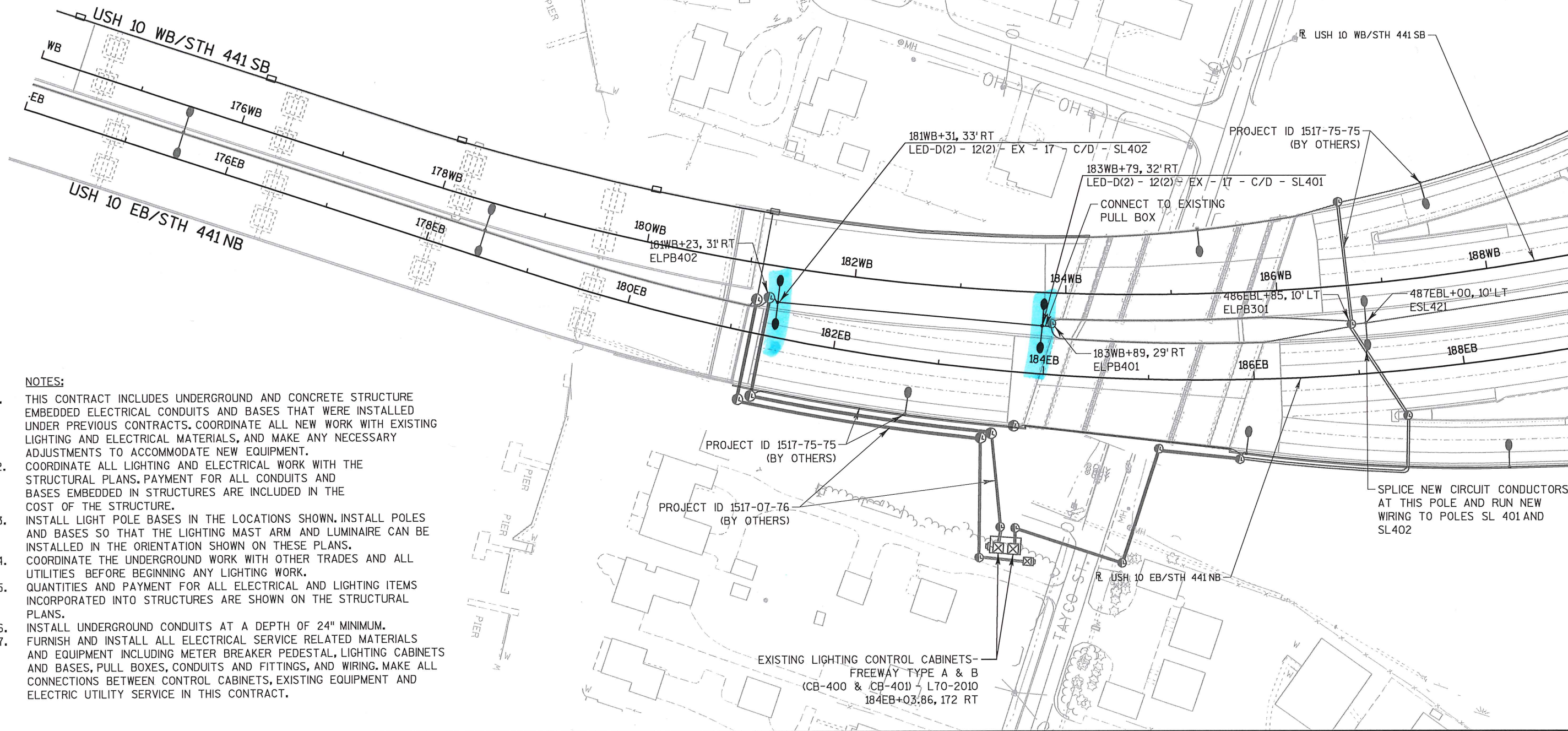
USH 10 BRIDGE (LITTLE LAKE BUTTE DES MORTS)
SYSTEM INTERCHANGE
CITY OF MENASHA
WINNEBAGO COUNTY

LIGHTING NO. L70-2010

DESIGNER: AECOM

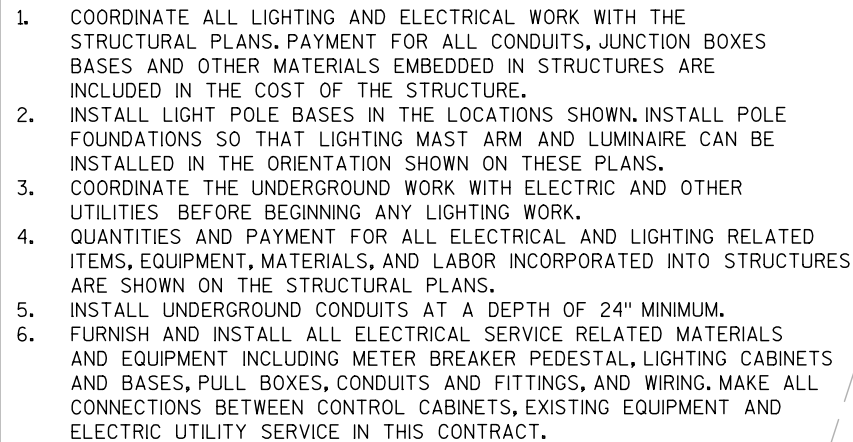
DATE: 1/15/2017

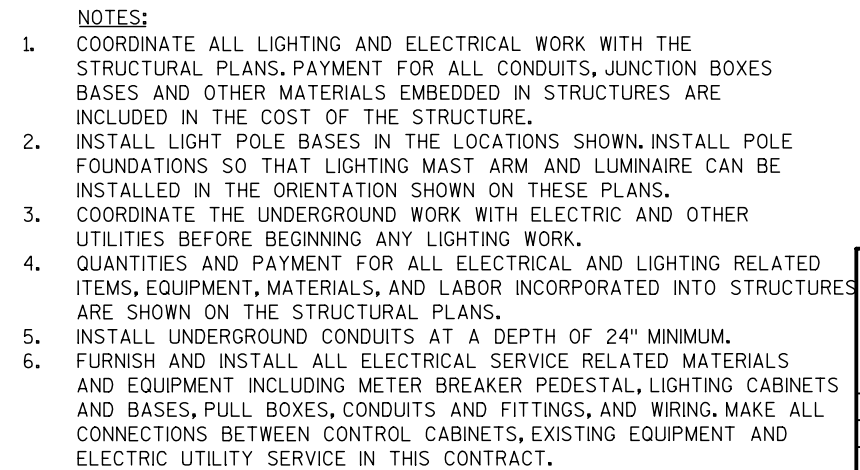
SHEET 9 OF 27



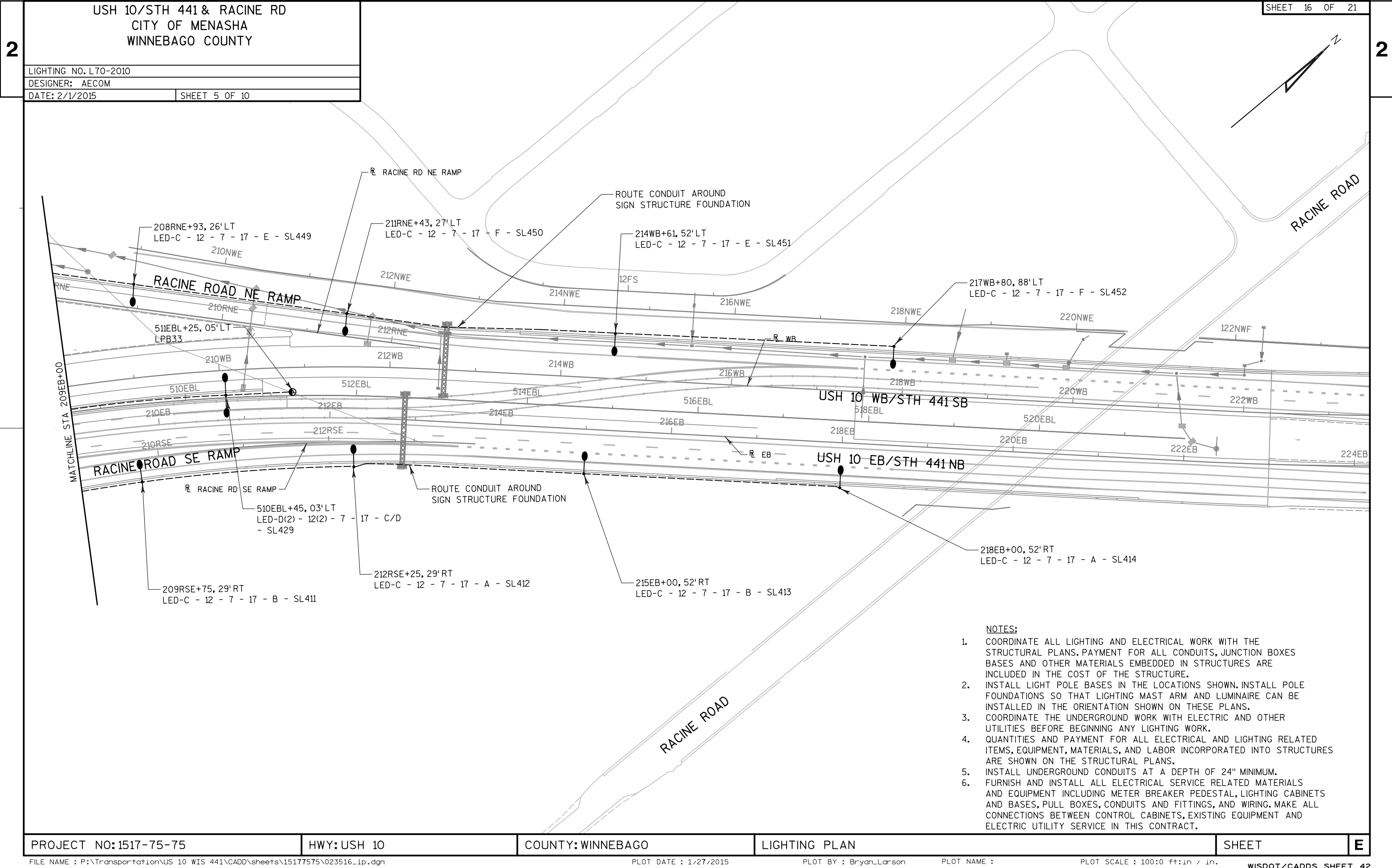
- NOTES:
- THIS CONTRACT INCLUDES UNDERGROUND AND CONCRETE STRUCTURE EMBEDDED ELECTRICAL CONDUITS AND BASES THAT WERE INSTALLED UNDER PREVIOUS CONTRACTS. COORDINATE ALL NEW WORK WITH EXISTING LIGHTING AND ELECTRICAL MATERIALS, AND MAKE ANY NECESSARY ADJUSTMENTS TO ACCOMMODATE NEW EQUIPMENT.
 - COORDINATE 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.

SHEET 1 OF 10





SHEET 3 OF 10



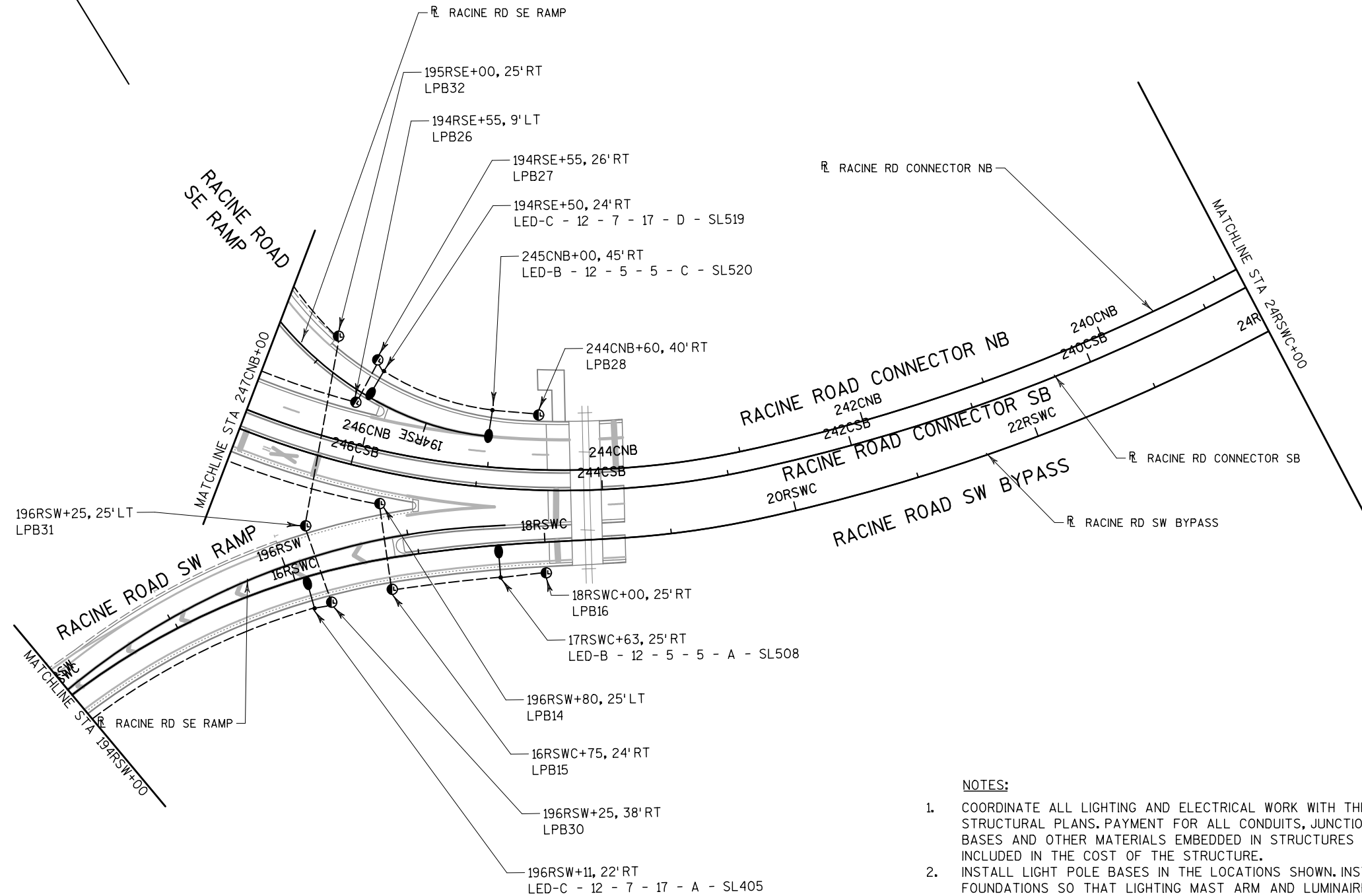
USH 10/STH 441 & RACINE RD
CITY OF MENASHA
WINNEBAGO COUNTY

LIGHTING NO. L70-2010 & L70-2011

DESIGNER: AECOM

DATE: 2/1/2015

SHEET 7 OF 10



NOTES:

- COORDINATE ALL LIGHTING AND ELECTRICAL WORK WITH THE STRUCTURAL PLANS. PAYMENT FOR ALL CONDUITS, JUNCTION BOXES BASES AND OTHER MATERIALS EMBEDDED IN STRUCTURES ARE INCLUDED IN THE COST OF THE STRUCTURE.
- INSTALL LIGHT POLE BASES IN THE LOCATIONS SHOWN. INSTALL POLE FOUNDATIONS SO THAT LIGHTING MAST ARM AND LUMINAIRE CAN BE INSTALLED IN THE ORIENTATION SHOWN ON THESE PLANS.
- COORDINATE THE UNDERGROUND WORK WITH ELECTRIC AND OTHER UTILITIES BEFORE BEGINNING ANY LIGHTING WORK.
- QUANTITIES AND PAYMENT FOR ALL ELECTRICAL AND LIGHTING RELATED ITEMS, EQUIPMENT, MATERIALS, AND LABOR 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.