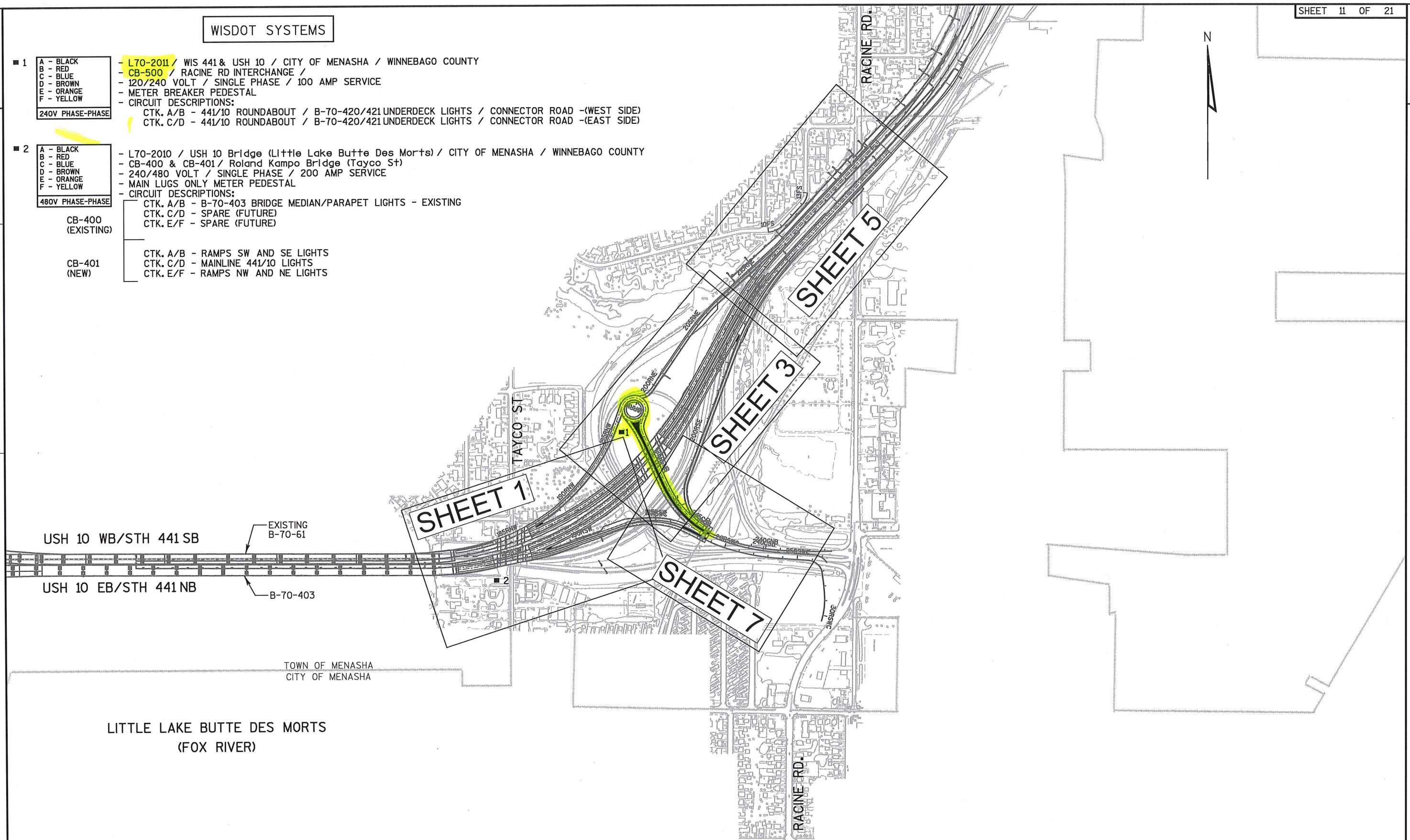
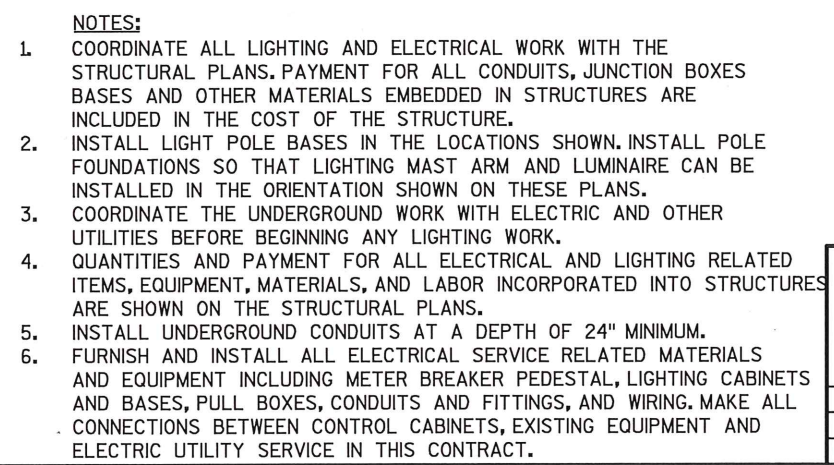


WISDOT SYSTEMS

2

- 1
- A - BLACK
 - B - RED
 - C - BLUE
 - D - BROWN
 - E - ORANGE
 - F - YELLOW
- 240V PHASE-PHASE
- 2
- A - BLACK
 - B - RED
 - C - BLUE
 - D - BROWN
 - E - ORANGE
 - F - YELLOW
- 480V PHASE-PHASE
- CB-400 (EXISTING)
- CB-401 (NEW)
- L70-2011 / WIS 441 & USH 10 / CITY OF MENASHA / WINNEBAGO COUNTY
- CB-500 / RACINE RD INTERCHANGE /
- 120/240 VOLT / SINGLE PHASE / 100 AMP SERVICE
- METER BREAKER PEDESTAL
- CIRCUIT DESCRIPTIONS:
- CTK. A/B - 441/10 ROUNDABOUT / B-70-420/421 UNDERDECK LIGHTS / CONNECTOR ROAD -(WEST SIDE)
- CTK. C/D - 441/10 ROUNDABOUT / B-70-420/421 UNDERDECK LIGHTS / CONNECTOR ROAD -(EAST SIDE)
- L70-2010 / USH 10 Bridge (Little Lake Butte Des Morts) / CITY OF MENASHA / WINNEBAGO COUNTY
- CB-400 & CB-401 / Roland Kampo 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 - RAMPS SW AND SE LIGHTS
- CTK. C/D - MAINLINE 441/10 LIGHTS
- CTK. E/F - RAMPS NW AND NE LIGHTS





LIGHTING NO. L70-2010 / L70-2011	
DESIGNER: AECOM	
DATE: 2/1/2015	SHEET

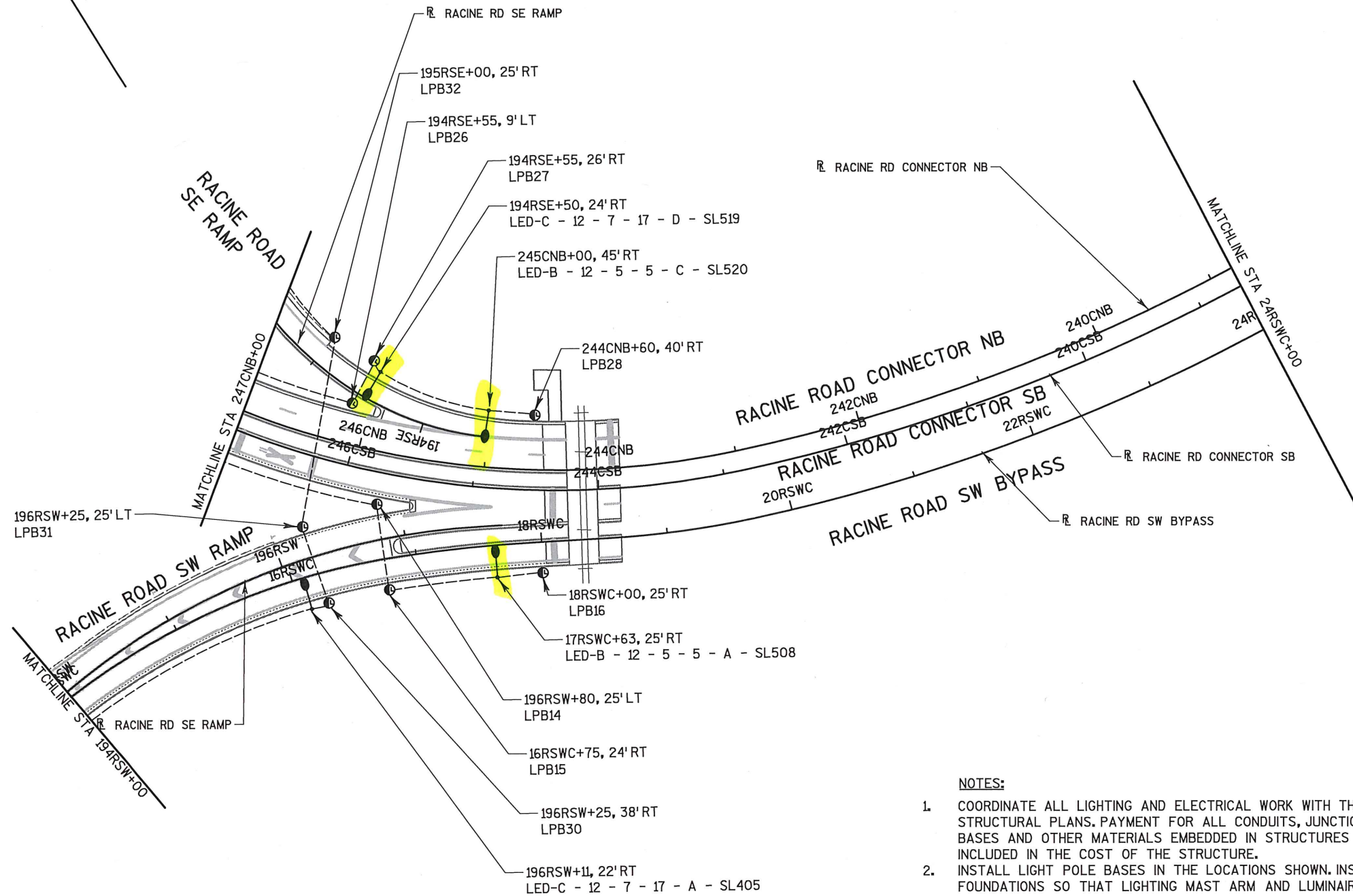
USH 10/STH 441 & RACINE RD
CITY OF MENASHA
WINNEBAGO COUNTY

LIGHTING NO. L70-2010 & L70-2011

DESIGNER: AECOM

DATE: 2/1/2015

SHEET 7 OF 10

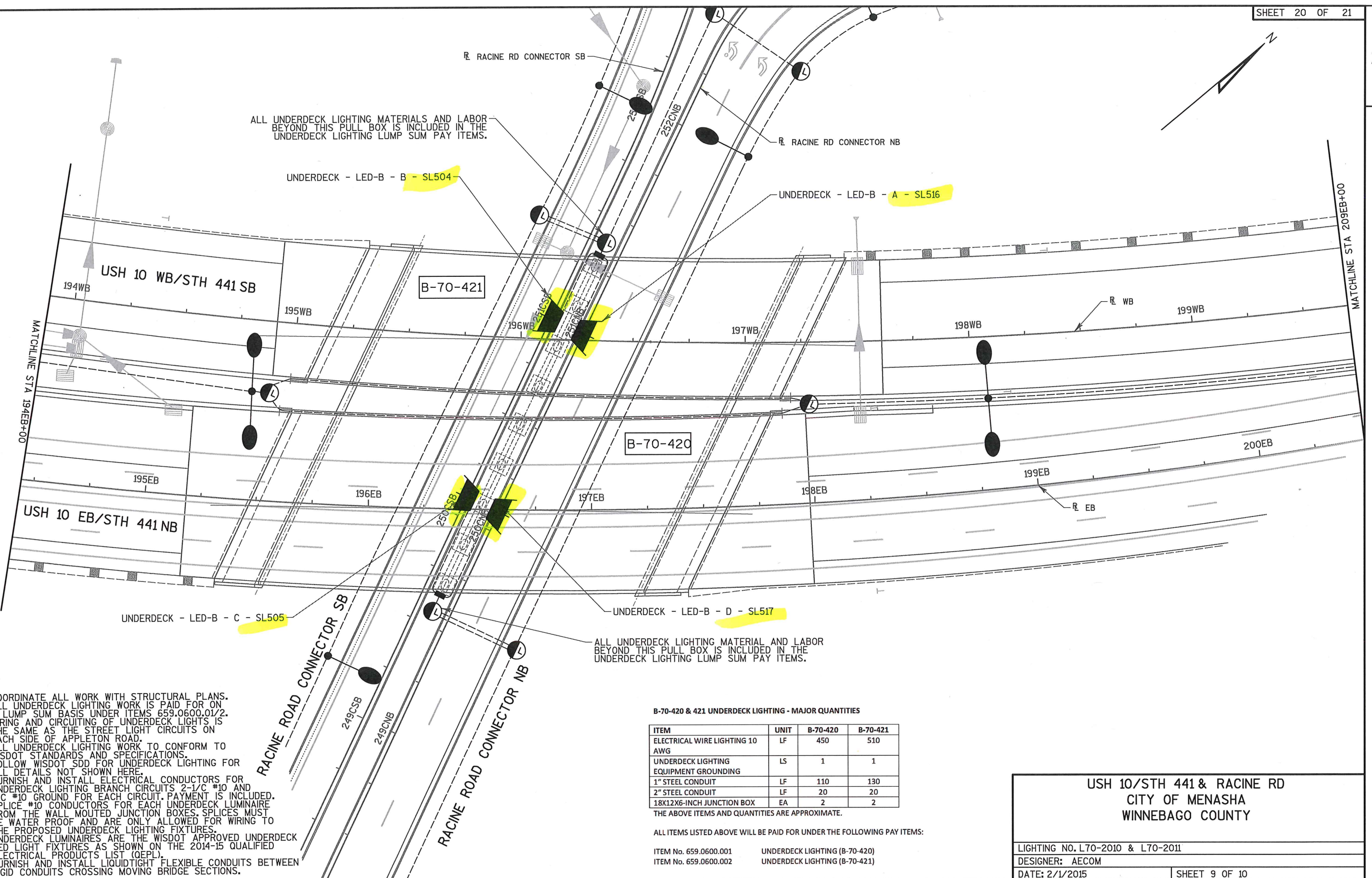


NOTES:

- 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.

2

2



NOTES:

- COORDINATE ALL WORK WITH STRUCTURAL PLANS.
- ALL UNDERDECK LIGHTING WORK IS PAID FOR ON A LUMP SUM BASIS UNDER ITEMS 659.0600.01/2.
- WIRING AND CIRCUITING OF UNDERDECK LIGHTS IS THE SAME AS THE STREET LIGHT CIRCUITS ON EACH SIDE OF APPLETON ROAD.
- ALL UNDERDECK LIGHTING WORK TO CONFORM TO WISDOT STANDARDS AND SPECIFICATIONS.
- FOLLOW WISDOT SDD FOR UNDERDECK LIGHTING FOR ALL DETAILS NOT SHOWN HERE.
- FURNISH AND INSTALL ELECTRICAL CONDUCTORS FOR UNDERDECK LIGHTING BRANCH CIRCUITS 2-1/2" #10 AND 1/2" #10 GROUND FOR EACH CIRCUIT. PAYMENT IS INCLUDED.
- SPLICE #10 CONDUCTORS FOR EACH UNDERDECK LUMINAIRE FROM THE WALL MOUNTED JUNCTION BOXES. SPLICES MUST BE WATER PROOF AND ARE ONLY ALLOWED FOR WIRING TO THE PROPOSED UNDERDECK LIGHTING FIXTURES.
- UNDERDECK LUMINAIRES ARE THE WISDOT APPROVED UNDERDECK LED LIGHT FIXTURES AS SHOWN ON THE 2014-15 QUALIFIED ELECTRICAL PRODUCTS LIST (QEPL).
- FURNISH AND INSTALL LIQUIDTIGHT FLEXIBLE CONDUITS BETWEEN RIGID CONDUITS CROSSING BRIDGE SECTIONS.

B-70-420 & 421 UNDERDECK LIGHTING - MAJOR QUANTITIES

ITEM	UNIT	B-70-420	B-70-421
ELECTRICAL WIRE LIGHTING 10 AWG	LF	450	510
UNDERDECK LIGHTING EQUIPMENT GROUNDING	LS	1	1
1" STEEL CONDUIT	LF	110	130
2" STEEL CONDUIT	LF	20	20
18X12X6-INCH JUNCTION BOX	EA	2	2

THE ABOVE ITEMS AND QUANTITIES ARE APPROXIMATE.

ALL ITEMS LISTED ABOVE WILL BE PAID FOR UNDER THE FOLLOWING PAY ITEMS:

ITEM No. 659.0600.001	UNDERDECK LIGHTING (B-70-420)
ITEM No. 659.0600.002	UNDERDECK LIGHTING (B-70-421)

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

LIGHTING NO. L70-2010 & L70-2011

DESIGNER: AECOM

DATE: 2/1/2015

SHEET 9 OF 10

PROJECT NO: 1517-75-75

HWY: USH 10

COUNTY: WINNEBAGO

LIGHTING PLAN - UNDERDECK LIGHTING PLAN B-70-420/421

SHEET

240

E