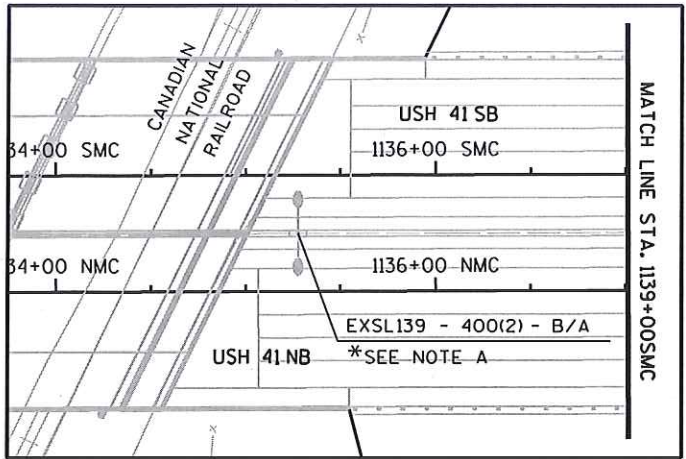
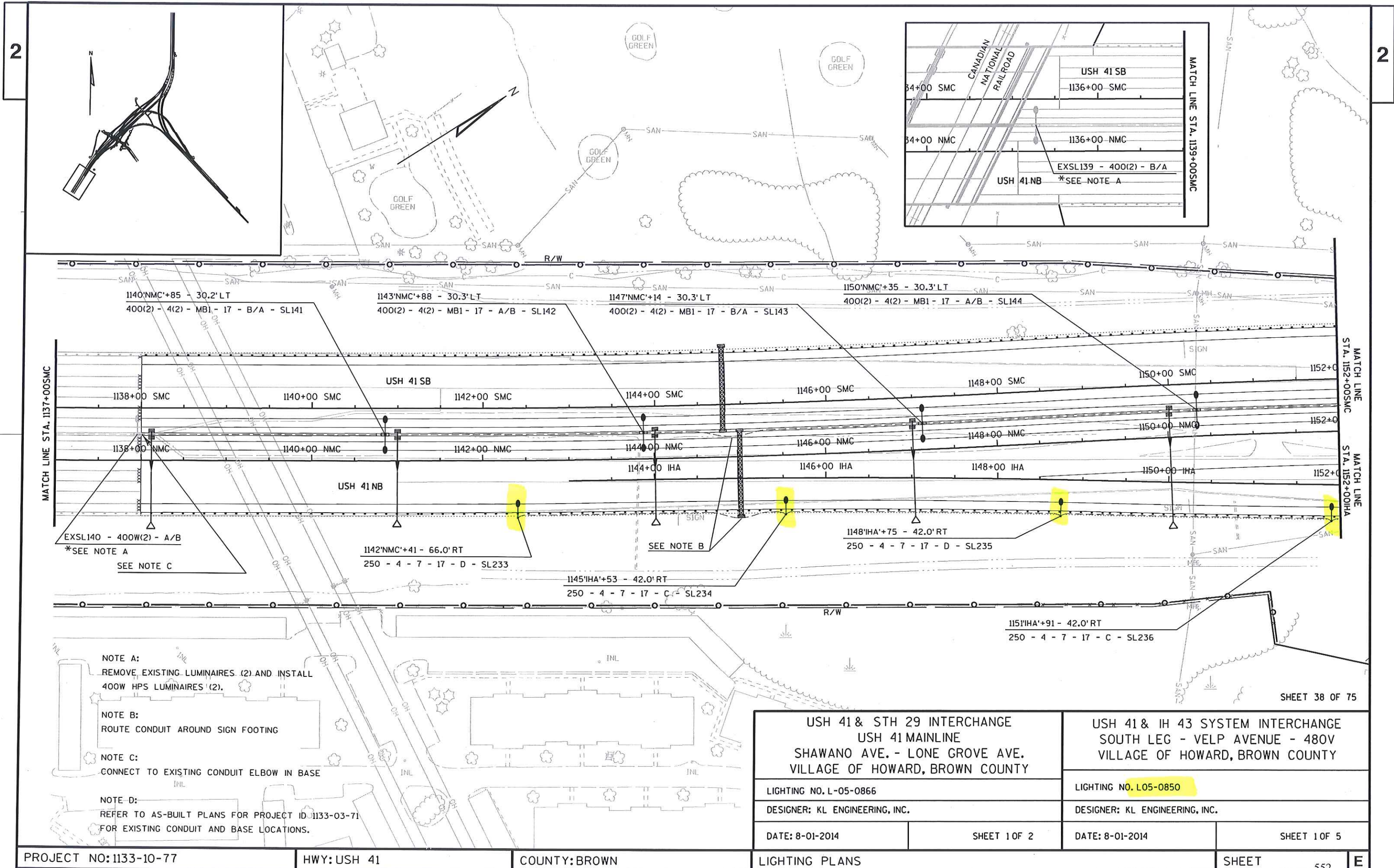
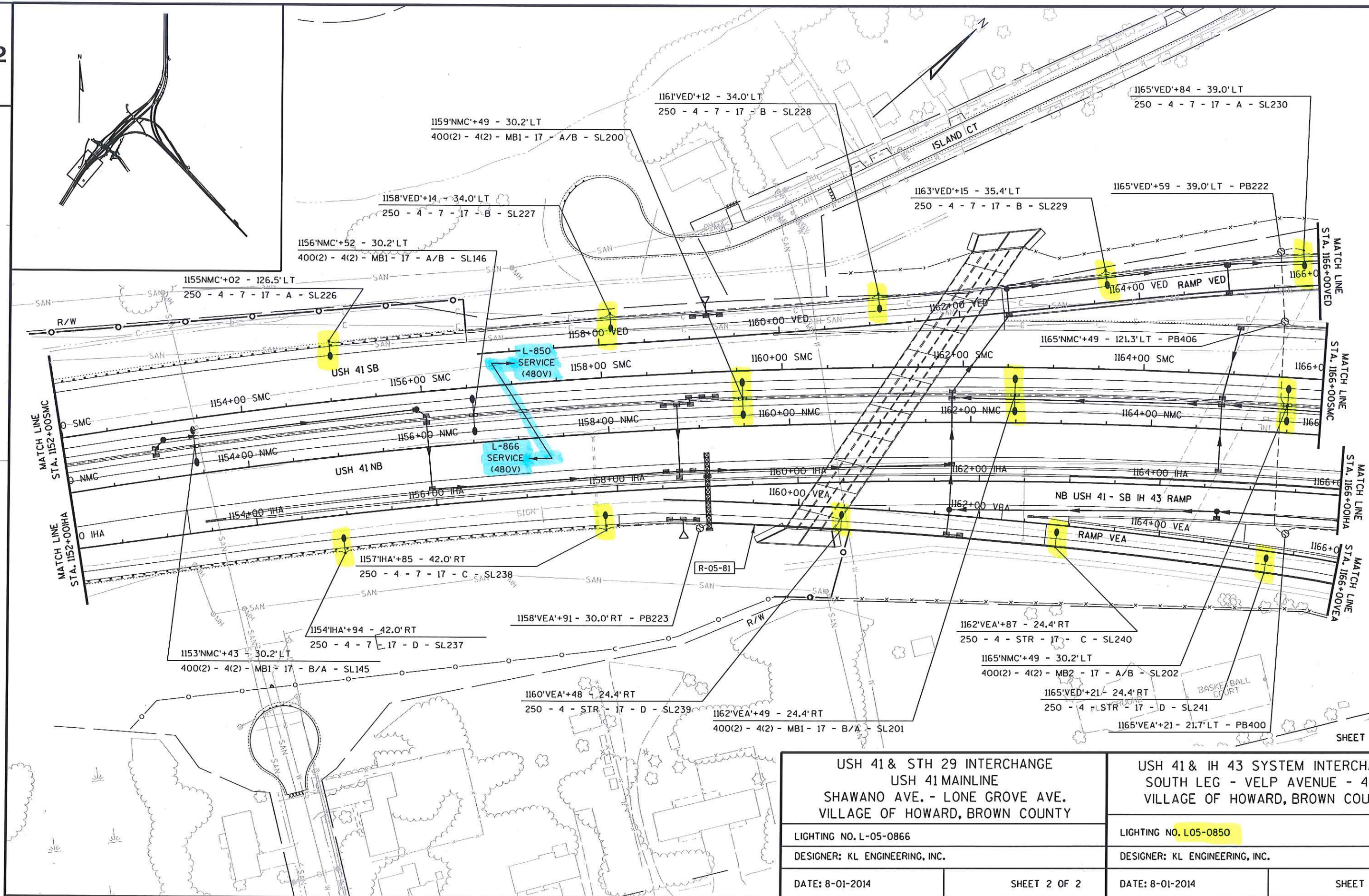




- NOTE A:
REMOVE EXISTING LUMINAIRES (2) AND INSTALL
400W HPS LUMINAIRES (2).
- NOTE B:
ROUTE CONDUIT AROUND SIGN FOOTING
- NOTE C:
CONNECT TO EXISTING CONDUIT ELBOW IN BASE
- NOTE D:
REFER TO AS-BUILT PLANS FOR PROJECT ID 1133-03-71
FOR EXISTING CONDUIT AND BASE LOCATIONS.

USH 41 & STH 29 INTERCHANGE USH 41 MAINLINE SHAWANO AVE. - LONE GROVE AVE. VILLAGE OF HOWARD, BROWN COUNTY		USH 41 & IH 43 SYSTEM INTERCHANGE SOUTH LEG - VELD AVENUE - 480V VILLAGE OF HOWARD, BROWN COUNTY	
LIGHTING NO. L-05-0866		LIGHTING NO. L05-0850	
DESIGNER: KL ENGINEERING, INC.		DESIGNER: KL ENGINEERING, INC.	
DATE: 8-01-2014	SHEET 1 OF 2	DATE: 8-01-2014	SHEET 1 OF 5
PROJECT NO: 1133-10-77		HWY: USH 41	
COUNTY: BROWN		LIGHTING PLANS	
SHEET 552		E	



SHEET 40 OF 75

USH 41 & STH 29 INTERCHANGE
USH 41 MAINLINE
SHAWANO AVE. - LONE GROVE AVE.
VILLAGE OF HOWARD, BROWN COUNTY

LIGHTING NO. L-05-0866

DESIGNER: KL ENGINEERING, INC.

DATE: 8-01-2014

SHEET 2 OF 2

USH 41 & IH 43 SYSTEM INTERCHANGE
SOUTH LEG - VELP AVENUE - 480V
VILLAGE OF HOWARD, BROWN COUNTY

LIGHTING NO. L05-0850

DESIGNER: KL ENGINEERING, INC.

DATE: 8-01-2014

SHEET 2 OF 5

PROJECT NO: 1133-10-77

HWY: USH 41

COUNTY: BROWN

LIGHTING PLANS

SHEET

554

E

FILE NAME : G:\WDOT\NE\WNE30-0739\BROWN COUNTY - 02\1133-10-77 (USH 41 - IH 43 - VELP)\DGN\PLAN SHEETS\023502_1p.dgn

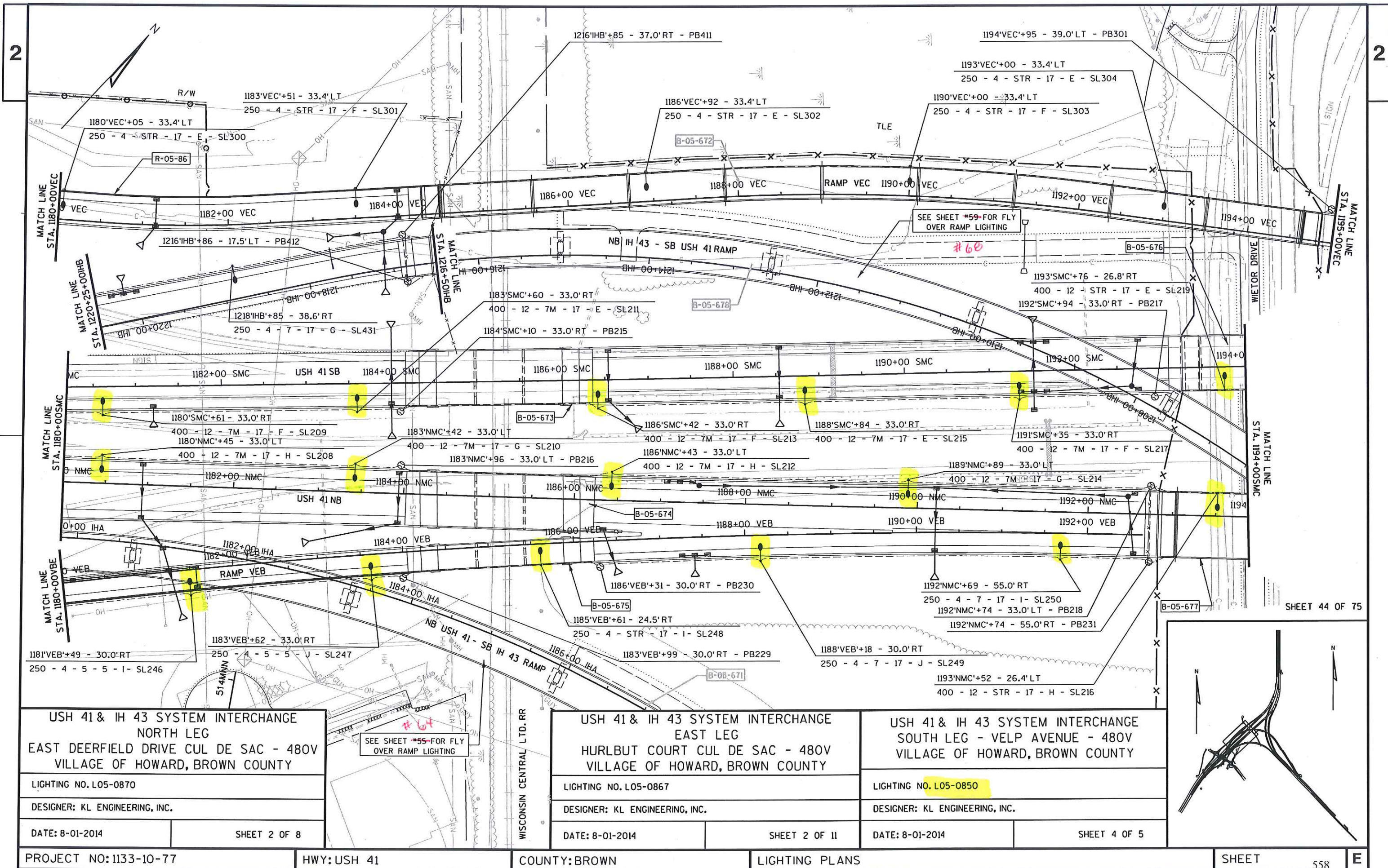
PLOT DATE : 12/15/2014

PLOT BY : KL Engineering

PLOT NAME :

PLOT SCALE :

WISDOT/CADDs SHEET 42



USH 41 & IH 43 SYSTEM INTERCHANGE
NORTH LEG
EAST DEERFIELD DRIVE CUL DE SAC - 480V
VILLAGE OF HOWARD, BROWN COUNTY

LIGHTING NO. L05-0870

DESIGNER: KL ENGINEERING, INC.

DATE: 8-01-2014

SHEET 2 OF 8

PROJECT NO: 1133-10-77

HWY: USH 41

COUNTY: BROWN

LIGHTING PLANS

SHEET

558

E

FILE NAME : G:\WDOT\WNE30-0739\BROWN COUNTY - 02\1133-10-77 (USH 41 - IH 43_VELP)\DGN\PLAN SHEETS\023504-1p.dgn

PLOT DATE : 12/15/2014

PLOT BY : KL Engineering

PLOT NAME :

PLOT SCALE :

WISDOT/CADDs SHEET 42

USH 41 & IH 43 SYSTEM INTERCHANGE
EAST LEG
HURLBUT COURT CUL DE SAC - 480V
VILLAGE OF HOWARD, BROWN COUNTY

LIGHTING NO. L05-0867

DESIGNER: KL ENGINEERING, INC.

DATE: 8-01-2014

SHEET 3 OF 11

USH 41 & IH 43 SYSTEM INTERCHANGE
NORTH LEG
EAST DEERFIELD DRIVE CUL DE SAC - 480V
VILLAGE OF HOWARD, BROWN COUNTY

LIGHTING NO. L05-0870

DESIGNER: KL ENGINEERING, INC.

DATE: 8-01-2014

SHEET 3 OF 8

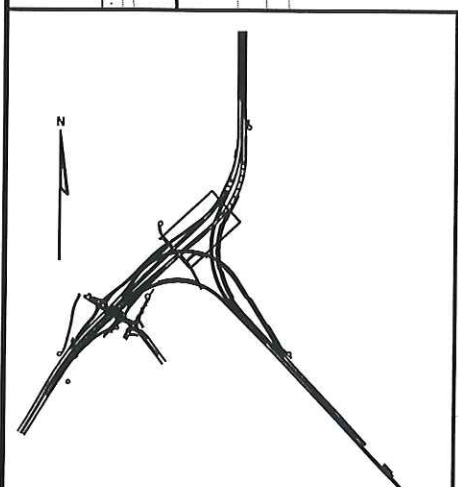
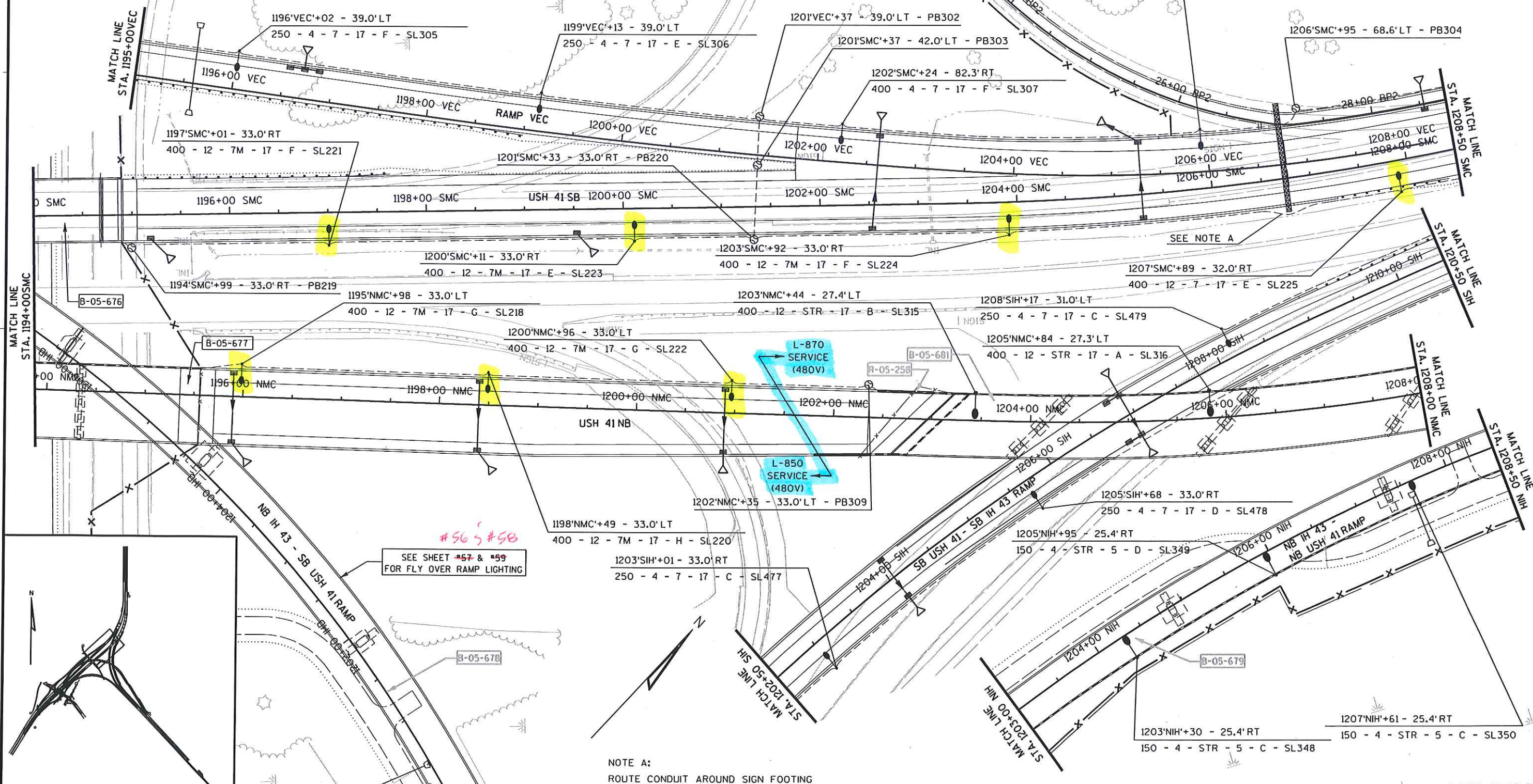
USH 41 & IH 43 SYSTEM INTERCHANGE
SOUTH LEG - VELP AVENUE - 480V
VILLAGE OF HOWARD, BROWN COUNTY

LIGHTING NO. L05-0850

DESIGNER: KL ENGINEERING, INC.

DATE: 8-01-2014

SHEET 5 OF 5



PROJECT NO: 1133-10-77

HWY: USH 41

COUNTY: BROWN

LIGHTING PLANS

SHEET

560

E

2

1

A/G - BLACK
B/H - RED
C/I - BLUE
D/J - BROWN
E - ORANGE
F - YELLOW

480V PHASE TO PHASE

- L05-0850 / USH 41& IH 43 System Interchange South Leg - Velp Avenue / Village of Howard / Brown County

- CB 200 / Northeast Quadrant of NB USH 41 Roundabout / Next to CB500 (240V)

- 240/480 Volt Single Phase / 200 Amp Service

- Main Lugs Only Meter Pedestal

- Circuit Descriptions

Ckt A/B - USH 41 Mainline from Velp Ave. to SB 41 Entrance Ramp & SB USH 41 Entrance Ramp

Ckt C/D - NB USH 41 Exit Ramp

Ckt E/F - SB USH 41 from Velp Ave. to Duck Creek

Ckt G/H - NB USH 41 from Velp Ave. to Beginning of R-05-258

Ckt I/J - NB USH 41 Entrance Ramp

2

2

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

480V PHASE TO PHASE

- L05-0870 / USH 41& IH 43 System Interchange North Leg - East Deerfield Culde Sac / Village of Howard / Brown County

- CB 300 / Southeast Quadrant of East Deerfield Culde Sac

- 240/480 Volt Single Phase / 200 Amp Service

- Main Lugs Only Meter Pedestal / Shared Power Source with ITS

- Circuit Descriptions

Ckt A/B - SB USH 41 from East Deerfield Culde Sac to end of B-05-682 & NB USH 41 from East Deerfield Culde Sac to end of B-05-681

Ckt C/D - NB IH 43 - NB USH 41 from East Deerfield Culde Sac to Beginning of Flyover

Ckt E/F - SB USH 41 Exit Ramp from East Deerfield Culde Sac to Velp Ave.

Ckt G/H - USH 41 Mainline from East Deerfield Culde Sac to North Project Limits

3

3

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

480V PHASE TO PHASE

- L05-0867 / USH 41& IH 43 System Interchange East Leg - Hurlbut Court Culde Sac / Village of Howard / Brown County

- CB 400 / Northeast Quadrant of Hurlbut Court Culde Sac

- 240/480 Volt Single Phase / 200 Amp Service

- Main Lugs Only Meter Pedestal

- Circuit Descriptions

Ckt A/B - IH 43 Mainline from Hurlbut Court Culde Sac to South Project Limits

Ckt C/D - SB USH 41 - SB IH 43 from Hurlbut Court Culde Sac to End of Ramp

Ckt E/F - NB USH 41 - SB IH 43 from Hurlbut Court Culde Sac to End of Flyover

Ckt G/H - NB IH 43 - SB USH 41 from Hurlbut Court Culde Sac to End of Flyover

4

4

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

480V PHASE TO PHASE

- L-866 / USH 41& STH 29 Interchange / USH 41 Mainline, Shawano Ave. - Lone Grove Ave. / Village of Howard / Brown County

- EXCB 200 / Southwest Quadrant of Memorial Drive and Vincent Road Intersection

- 240/480 Volt Single Phase / 200 Amp Service

- Main Lugs Only Meter Pedestal

- Circuit Descriptions

Ckt A/B - USH 41 Mainline from Box Culvert to SB 41 Entrance Ramp from Velp Ave.

Ckt C/D - USH 41 NB C-D Roadway from Memorial Drive to EN Flyover

Ckt E/F - USH 41 SB C-D Roadway from Memorial Drive to SW System Ramp

1

1

A - BLACK
B - RED
C - BLUE
D - BROWN

240V PHASE TO PHASE

- L0826 / USH 41& Velp Avenue Interchange - Roundabout Lighting / Village of Howard / Brown County

- CB 500 / Northeast Quadrant of NB USH 41 Roundabout / Next to CB200 (480V)

- 120/240 Volt Single Phase / 200 Amp Service

- Meter Breaker Pedestal / Shared Power Source with ITS

- Circuit Descriptions

Ckt A/B - North Side of NB and SB Roundabout / R-05-235 Underdeck

Ckt C/D - South Side of NB and SB Roundabout / R-05-234 Underdeck

1

1

A - BLACK
B - RED
C - BLUE
D - BROWN

240V PHASE TO PHASE

E - BLUE
F - BROWN
G - BLACK
H - RED

120V PHASE TO PHASE

- CB 600 / Memorial Drive Roundabout Lighting

- 120/240 Volt Single Phase / 200 Amp Service

- Electrical Service Meter Breaker Pedestal Special

- Village of Howard / Brown County

- Circuit Descriptions

Ckt A/B - Street Lights (240V) North and East Sides of Roundabout

Ckt C/D - Street Lights (240V) South and West Sides of Roundabout

Ckt E/F - Receptacles (120V) North and East Sides of Roundabout

Ckt G/H - Receptacles (120V) South and West Sides of Roundabout

WISDOT SYSTEMS

NON-WISDOT SYSTEMS

2

2

PROJECT NO: 1133-03-75/77

HWY: USH 41

COUNTY: BROWN

LIGHTING PLAN OVERVIEW

SHEET 551

E

FILE NAME : G:\WDOTNE\WNE30-0739\BROWN COUNTY - 02\1133-10-77 (USH 41 - IH 43 - VELP)\DGN\PLAN SHEETS\023500-LIGHTING OVERVIEW.dgn

PLOT DATE : 12/15/2014

PLOT BY : KL Engineering

PLOT NAME :

PLOT SCALE :

WISDOT/CADDs SHEET 42