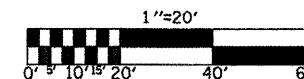


TRAFFIC SIGNAL MODERNIZATION

5-18 5 C 057 U051 L006.90

U.S. 51 BUSN
&
I-55 NB RAMPS

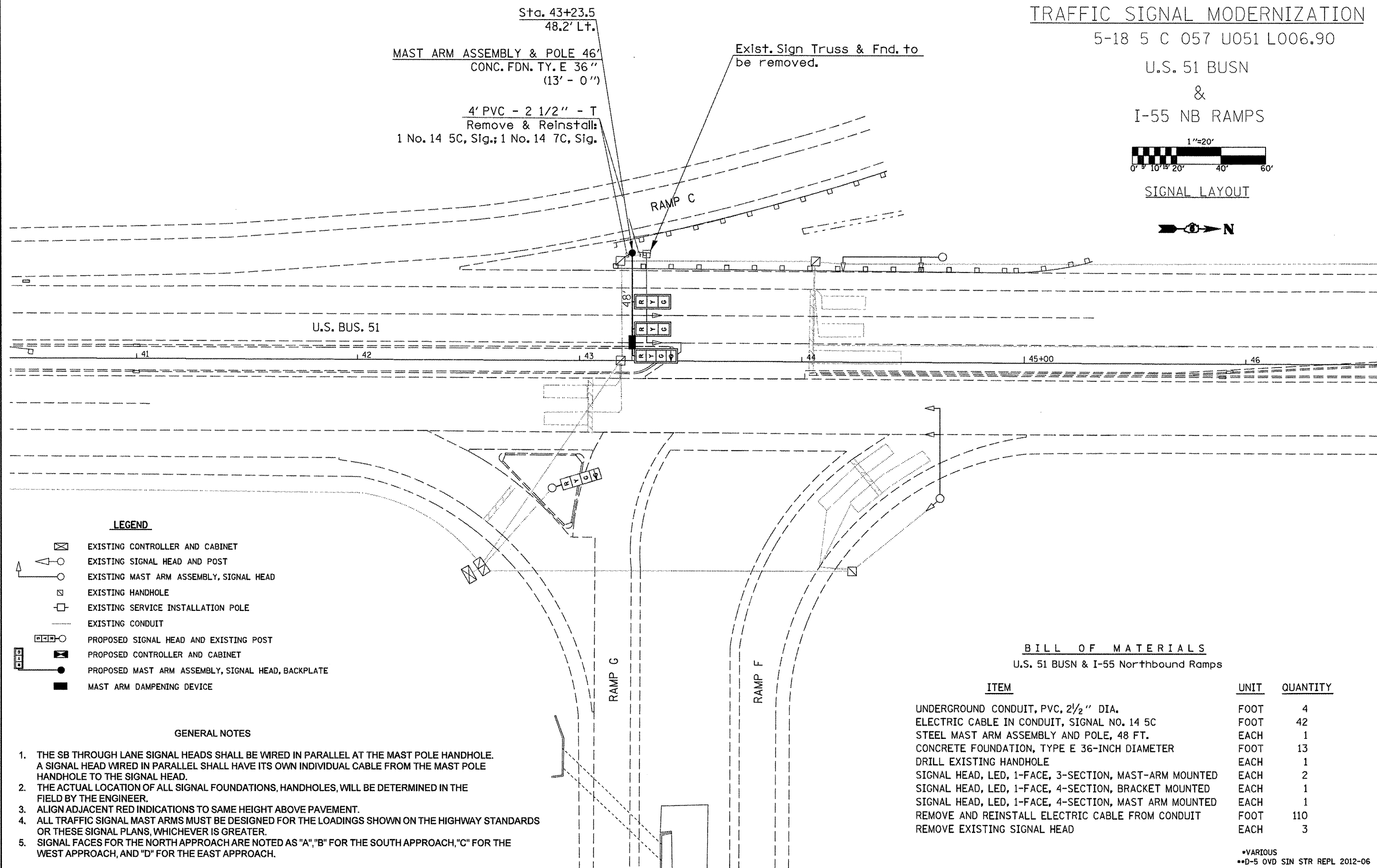


SIGNAL LAYOUT



Sta. 43+23.5
48.2' Lt.
MAST ARM ASSEMBLY & POLE 46'
CONC. FDN. TY. E 36"
(13' - 0")
4' PVC - 2 1/2" - T
Remove & Reinstall:
1 No. 14 5C, Sig.; 1 No. 14 7C, Sig.

Exist. Sign Truss & Fnd. to
be removed.



LEGEND

- EXISTING CONTROLLER AND CABINET
- EXISTING SIGNAL HEAD AND POST
- EXISTING MAST ARM ASSEMBLY, SIGNAL HEAD
- EXISTING HANDHOLE
- EXISTING SERVICE INSTALLATION POLE
- EXISTING CONDUIT
- PROPOSED SIGNAL HEAD AND EXISTING POST
- PROPOSED CONTROLLER AND CABINET
- PROPOSED MAST ARM ASSEMBLY, SIGNAL HEAD, BACKPLATE
- MAST ARM DAMPENING DEVICE

GENERAL NOTES

1. THE SB THROUGH LANE SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST POLE HANDHOLE. A SIGNAL HEAD WIRED IN PARALLEL SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.
2. THE ACTUAL LOCATION OF ALL SIGNAL FOUNDATIONS, HANDHOLES, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
4. ALL TRAFFIC SIGNAL MAST ARMS MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
5. SIGNAL FACES FOR THE NORTH APPROACH ARE NOTED AS "A", "B" FOR THE SOUTH APPROACH, "C" FOR THE WEST APPROACH, AND "D" FOR THE EAST APPROACH.

BILL OF MATERIALS

U.S. 51 BUSN & I-55 Northbound Ramps

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	42
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	110
REMOVE EXISTING SIGNAL HEAD	EACH	3

*VARIOUS
**D-5 OVD SIN STR REPL 2012-06

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
ct:\pwwork\pwt\dot\ceorlockjd\0286538\0	46179-sht-trf-fic.dgn	DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/7/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MCLEAN COUNTY - U.S. 51 BUSINESS
TRAFFIC SIGNAL MODERNIZATION - 5 C 057 U051 L006.90

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	Various	178	145
CONTRACT NO. 46179				
ILLINOIS FED. AID PROJECT				