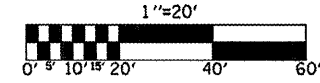


TRAFFIC SIGNAL MODERNIZATION

5-19 5 C 057 U051 L007.30

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



SIGNAL LAYOUT



Sta. 56+91
48.4' LT.
MAST ARM ASSEMBLY & POLE 46'
CONC. FDN. TY. E 36"
(13' - 0")

Exist. Sign Truss & Fnd. to
be removed.

25' PVC - 2 1/2" - T
2 No. 14 5C, Sig.; 1 No. 14 7C, Sig.

Exist. PVC - 2" - 102'

Pull: 1 No. 14 5C, Sig.; 1 No. 14 7C, Sig.
Add: 2 No. 14 5C, Sig.; 1 No. 14 7C, Sig.

Exist. PVC - 2" - 26'

Pull: 1 No. 14 5C, Sig.; 1 No. 14 7C, Sig.
Add: 2 No. 14 5C, Sig.; 1 No. 14 7C, Sig.

Exist. PVC - 2" - 17'

Pull: 1 No. 14 5C, Sig.; 1 No. 14 7C, Sig.

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 SPLICE 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.
6. THE EXISTING SIGNAL HEADS SHALL REMAIN WITH THE SIGN STRUCTURE AND BE SCRAPPED UPON IT'S REMOVAL.

BILL OF MATERIALS

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

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	458
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	248
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 ELECTRIC CABLE FROM CONDUIT	FOOT	259
REMOVE EXISTING SIGNAL HEAD	EACH	3

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

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -
ct:\pwwork\pwwork\ceerlockjd\0266538\046179-traffic-trf\fac.dgn		DRAWN -	REVISED -
PLOT SCALE = 1/8" = 1' / 31.68'		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 L007.30

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	Various	178	146
CONTRACT NO. 46179				
ILLINOIS FED. AID PROJECT				