

- 1) 5" THICK CONCRETE PAD SHALL BE POURED NEXT TO NEW CONTROLLER AND/OR UPS TO PROVIDE EASY MAINTENANCE ACCESS.
- 2) MAINTENANCE PAD SHALL EXTEND TO THE EDGE OF EXISTING CONTROLLER FOUNDATION.
- 3) COST OF PAD SHALL BE INCLUDED IN THE PRICE OF THE UNINTERRUPTIBLE POWER SUPPLY PAY ITEM.

**NOTE:**  
THE EXISTING CONTROLLER IS AN EPAC 300-M40 IN A TYPE IV CABINET

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 6 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 6 EACH SIGNAL POST
- 1 EACH CONTROLLER
- 1 EACH SERVICE INSTALLATION

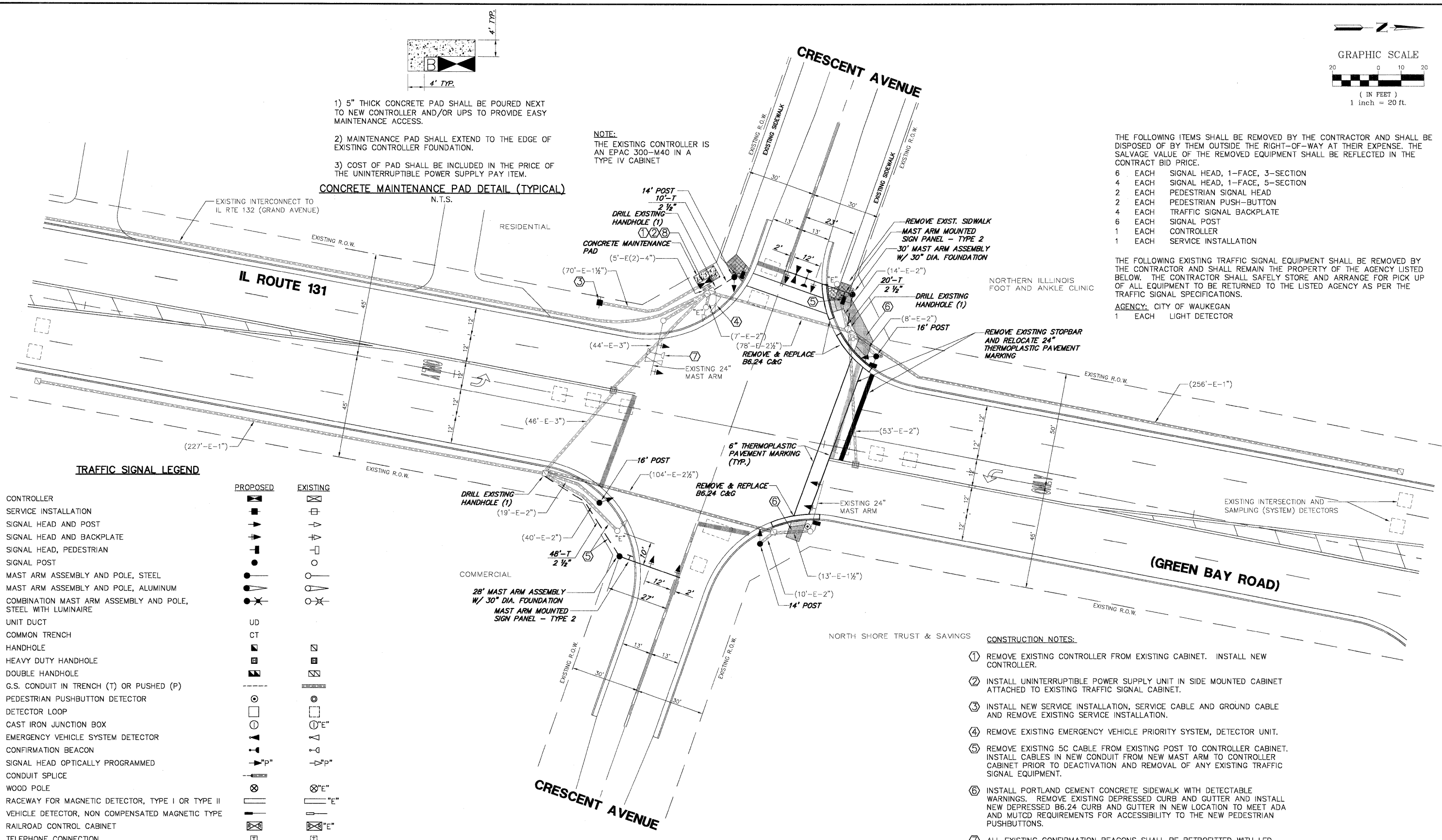
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- AGENCY:** CITY OF WAUKEGAN  
1 EACH LIGHT DETECTOR

**CONCRETE MAINTENANCE PAD DETAIL (TYPICAL)**

N.T.S.

EXISTING INTERCONNECT TO IL RTE 132 (GRAND AVENUE)



**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
SIGNAL HEAD AND POST	[Symbol]	[Symbol]
SIGNAL HEAD AND BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	[Symbol]
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE	[Symbol]	[Symbol]
UNIT DUCT	[Symbol]	[Symbol]
COMMON TRENCH	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)	[Symbol]	[Symbol]
PEDESTRIAN PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
CAST IRON JUNCTION BOX	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]
SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]	[Symbol]
CONDUIT SPLICE	[Symbol]	[Symbol]
WOOD POLE	[Symbol]	[Symbol]
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	[Symbol]	[Symbol]
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	[Symbol]	[Symbol]
RAILROAD CONTROL CABINET	[Symbol]	[Symbol]
TELEPHONE CONNECTION	[Symbol]	[Symbol]
ILLUMINATED SIGN "NO LEFT TURN"	[Symbol]	[Symbol]
ILLUMINATED SIGN "NO RIGHT TURN"	[Symbol]	[Symbol]
UNINTERRUPTIBLE POWER SUPPLY (UPS)	[Symbol]	[Symbol]

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP" COMPLIANT.

**CONSTRUCTION NOTES:**

- ① REMOVE EXISTING CONTROLLER FROM EXISTING CABINET. INSTALL NEW CONTROLLER.
- ② INSTALL UNINTERRUPTIBLE POWER SUPPLY UNIT IN SIDE MOUNTED CABINET ATTACHED TO EXISTING TRAFFIC SIGNAL CABINET.
- ③ INSTALL NEW SERVICE INSTALLATION, SERVICE CABLE AND GROUND CABLE AND REMOVE EXISTING SERVICE INSTALLATION.
- ④ REMOVE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT.
- ⑤ REMOVE EXISTING 5C CABLE FROM EXISTING POST TO CONTROLLER CABINET. INSTALL CABLES IN NEW CONDUIT FROM NEW MAST ARM TO CONTROLLER CABINET PRIOR TO DEACTIVATION AND REMOVAL OF ANY EXISTING TRAFFIC SIGNAL EQUIPMENT.
- ⑥ INSTALL PORTLAND CEMENT CONCRETE SIDEWALK WITH DETECTABLE WARNINGS. REMOVE EXISTING DEPRESSED CURB AND GUTTER AND INSTALL NEW DEPRESSED B6.24 CURB AND GUTTER IN NEW LOCATION TO MEET ADA AND MUTCD REQUIREMENTS FOR ACCESSIBILITY TO THE NEW PEDESTRIAN PUSHBUTTONS.
- ⑦ ALL EXISTING CONFIRMATION BEACONS SHALL BE RETROFITTED WITH LED INDICATIONS. THIS WORK SHALL BE INCIDENTAL TO THE PAY ITEM; UNINTERRUPTIBLE POWER SUPPLY.
- ⑧ ALL CABINET MODIFICATIONS AND/OR LOAD SWITCH REPLACEMENTS REQUIRED FOR PROPER OPERATION OF THE LED SIGNAL AND LED CONFIRMATION BEACON INDICATIONS TO THE SATISFACTION OF THE ENGINEER SHALL BE INCIDENTAL TO THE PAY ITEM; UNINTERRUPTIBLE POWER SUPPLY.

FILE NAME = 4085.800-TR1.dgn  
PLOT SCALE = 1"=20'  
PLOT DATE = 1/29/09

USER NAME =  
DESIGNED - JRD  
DRAWN - LJD  
CHECKED - KLB  
DATE - 1/29/09

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN  
ILL RTE 131 (GREEN BAY RD.) AND CRESCENT AVE.  
SCALE: 1"=20' SHEET NO. 11 OF 21 SHEETS STA. TO STA.

F.A.U. RTE. 27H SECTION 2009-005 TS COUNTY 097(LAKE)ILK TOTAL SHEETS 21 SHEETS NO. II CONTRACT NO. 60601  
GHA #4085.803  
ILLINOIS FED. AID PROJECT