

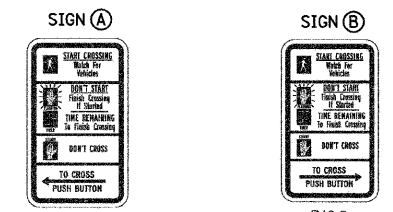
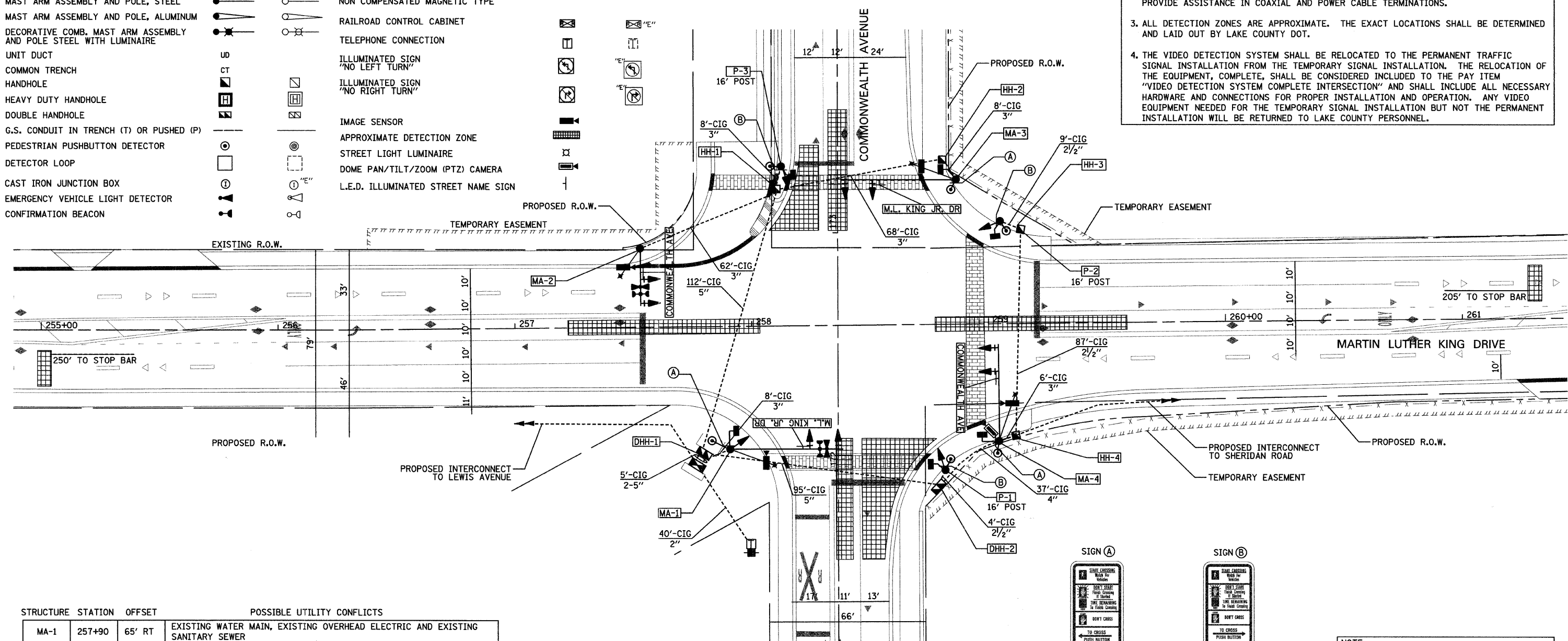
TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER			SIGNAL HEAD OPTICALLY PROGRAMMED		
SERVICE INSTALLATION			CONDUIT SPLICE		
L.E.D. SIGNAL HEAD			WOOD POLE		
L.E.D. SIGNAL HEAD WITH BACKPLATE			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
L.E.D. SIGNAL HEAD, PEDESTRIAN			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
SIGNAL POST			RAILROAD CONTROL CABINET		
MAST ARM ASSEMBLY AND POLE, STEEL			TELEPHONE CONNECTION		
MAST ARM ASSEMBLY AND POLE, ALUMINUM			ILLUMINATED SIGN "NO LEFT TURN"		
DECORATIVE COMB. MAST ARM ASSEMBLY AND POLE STEEL WITH LUMINAIRE			ILLUMINATED SIGN "NO RIGHT TURN"		
UNIT DUCT			IMAGE SENSOR		
COMMON TRENCH			APPROXIMATE DETECTION ZONE		
HANDHOLE			STREET LIGHT LUMINAIRE		
HEAVY DUTY HANDHOLE			DOME PAN/TILT/ZOOM (PTZ) CAMERA		
DOUBLE HANDHOLE			L.E.D. ILLUMINATED STREET NAME SIGN		
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)					
PEDESTRIAN PUSHBUTTON DETECTOR					
DETECTOR LOOP					
CAST IRON JUNCTION BOX					
EMERGENCY VEHICLE LIGHT DETECTOR					
CONFIRMATION BEACON					

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1230	03-00159-00-PV	LAKE	262	155
STA.	TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT: 83828		

TRAFFIC SIGNAL NOTES

- ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF MARTIN LUTHER KING DRIVE.
- THE VIDEO VEHICLE DETECTION SYSTEM'S MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE ASSISTANCE IN COAXIAL AND POWER CABLE TERMINATIONS.
- ALL DETECTION ZONES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY LAKE COUNTY DOT.
- THE VIDEO DETECTION SYSTEM SHALL BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION FROM THE TEMPORARY SIGNAL INSTALLATION. THE RELOCATION OF THE EQUIPMENT, COMPLETE, SHALL BE CONSIDERED INCLUDED TO THE PAY ITEM "VIDEO DETECTION SYSTEM COMPLETE INTERSECTION" AND SHALL INCLUDE ALL NECESSARY HARDWARE AND CONNECTIONS FOR PROPER INSTALLATION AND OPERATION. ANY VIDEO EQUIPMENT NEEDED FOR THE TEMPORARY SIGNAL INSTALLATION BUT NOT THE PERMANENT INSTALLATION WILL BE RETURNED TO LAKE COUNTY PERSONNEL.



R10-3e
3 REQUIRED (INCIDENTAL TO CONTRACT)

STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
MA-1	257+90	65' RT	EXISTING WATER MAIN, EXISTING OVERHEAD ELECTRIC AND EXISTING SANITARY SEWER
MA-2	258+13	67' LT	EXISTING GAS EXISTING OVERHEAD ELECTRIC
MA-3	258+87	61' LT	EXISTING OVERHEAD ELECTRIC
MA-4	259+19	44' RT	NONE
P-2	259+28	35' LT	EXISTING OVERHEAD ELECTRIC
P-1	258+81	61' RT	NONE
DHH-1	257+79	53' RT	NONE
DHH-2	258+79	67' RT	NONE
HH-1	258+11	58' LT	EXISTING GAS LINE
HH-2	258+81	69' LT	NONE
HH-3	259+17	32' LT	EXISTING GAS LINE
HH-4	259+27	43' RT	EXISTING SANITARY SEWER

SCHEDULE OF COMBINATION MAST ARM ASSEMBLY AND POLES			
MA-1	48' MAST ARM	15' LUMINAIRE ARM	45' AUTOSCOPE MOUNTING HEIGHT
MA-2	26' MAST ARM	15' LUMINAIRE ARM	45' AUTOSCOPE MOUNTING HEIGHT
MA-3	48' MAST ARM	15' LUMINAIRE ARM	45' AUTOSCOPE MOUNTING HEIGHT
MA-4	40' MAST ARM	15' LUMINAIRE ARM	45' AUTOSCOPE MOUNTING HEIGHT



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com

CITY OF NORTH CHICAGO
MARTIN LUTHER KING JR. DRIVE IMPROVEMENTS

TRAFFIC SIGNAL INSTALLATION PLAN
MARTIN LUTHER KING JR. DRIVE
AND COMMONWEALTH AVENUE

SCALE: 1"=20'
DATE: APRIL, 2008

DRAWN BY: KDM
CHECKED BY: MJL

DATE: 7/1/2008
TIME: 8:35:02 AM
FILENAME: N:\PROJ\161\Design\Signal\Plan_Sheet\161-11-Comm-pr-signal-plan.dgn