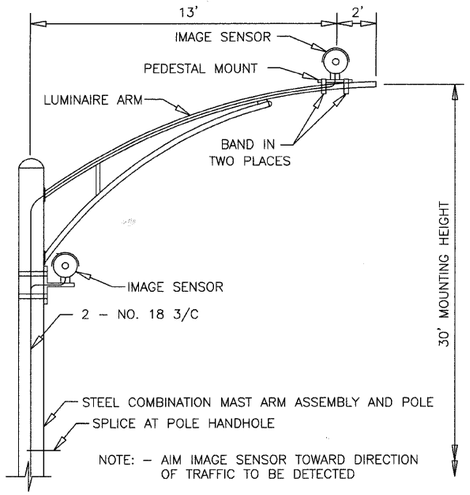
F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2611	03-00148-00-PV	DUPAGE	58	31
TRAFFIC SIGNAL INSTALLATION PLAN				
FED. ROAD DISTRICT NO. 7	ILLINOIS	FED. AID PROJECT M-8003(521)		

CONTRACT NO. 83952



NOTE: – AIM IMAGE SENSOR TOWARD DIRECTION OF TRAFFIC TO BE DETECTED

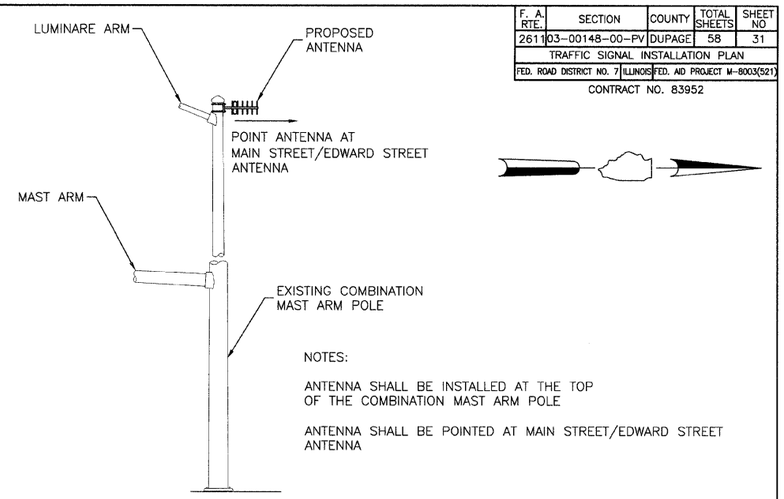
– MOUNT IMAGE SENSOR AIMING DOWN AT 15° ANGLE FROM HORIZON

– AIMING SENSOR AT DIRECT SUNLIGHT WILL CAUSE PERMANENT DAMAGE

IMAGE SENSOR MOUNTING DETAIL (DUAL CONFIGURATION)
NOT TO SCALE

TRAFFIC SIGNAL NOTES

1. ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF MAIN STREET.
2. THE VIDEO VEHICLE DETECTION SYSTEM'S MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE ASSISTANCE IN ALL CABLE TERMINATIONS.
3. ALL DETECTION ZONES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY VILLAGE PERSONNEL.
4. ALL CONDUIT TO BE PLACED UNDER PROPOSED SIDEWALK SHALL BE TRENCHED.
5. THE PROPOSED MAST ARM ON THE SOUTHWEST CORNER MUST ACHIEVE AT LEAST 12 INCHES VERTICAL CLEARANCE FROM THE OVERHEAD CABLES. IF 12 INCHES CLEARANCE IS NOT POSSIBLE, THE CONTRACTOR MUST CONTACT THE AFFECTED UTILITIES TO COORDINATE THE VERTICAL ADJUSTMENT OF THE OVERHEAD CABLES.

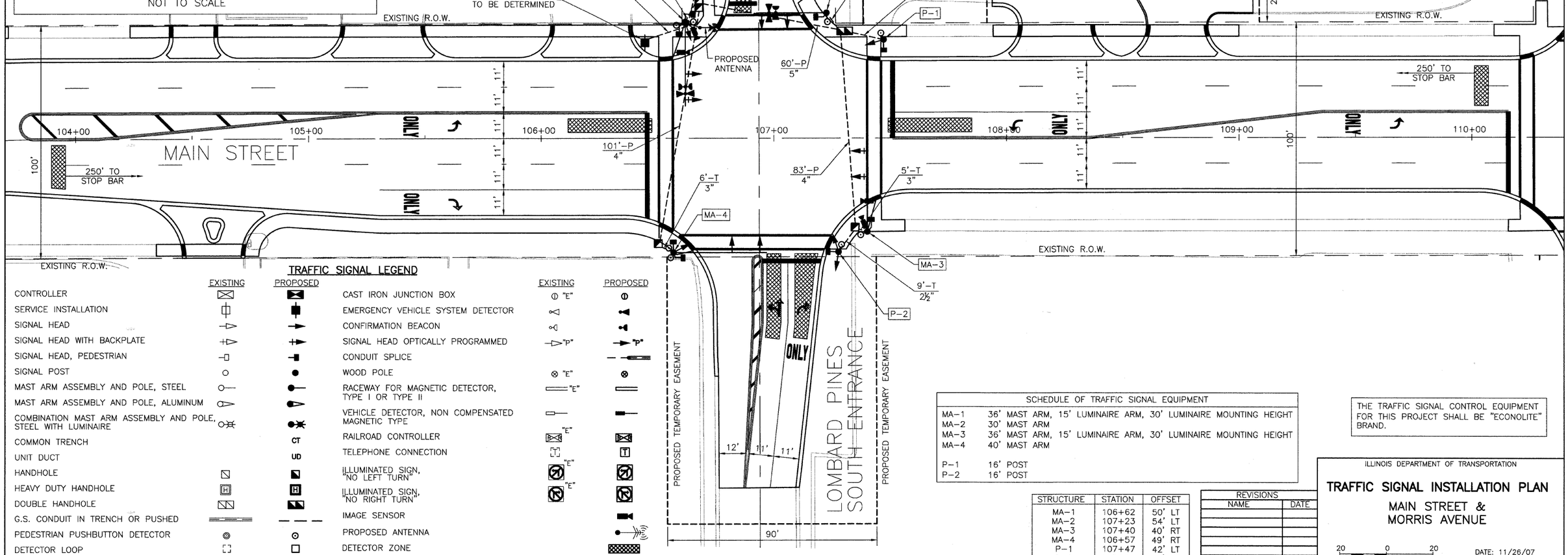


NOTES:

ANTENNA SHALL BE INSTALLED AT THE TOP OF THE COMBINATION MAST ARM POLE

ANTENNA SHALL BE POINTED AT MAIN STREET/EDWARD STREET ANTENNA

ANTENNA INSTALLATION MOUNTING DETAIL
NOT TO SCALE



TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
CONTROLLER	⊠	■
SERVICE INSTALLATION	⊞	■
SIGNAL HEAD	–▷	→
SIGNAL HEAD WITH BACKPLATE	+▷	+→
SIGNAL HEAD, PEDESTRIAN	–□	–■
SIGNAL POST	○	●
MAST ARM ASSEMBLY AND POLE, STEEL	○—	●—
MAST ARM ASSEMBLY AND POLE, ALUMINUM	○—	●—
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE	○✱	●✱
COMMON TRENCH		CT
UNIT DUCT		UD
HANDHOLE	▧	■
HEAVY DUTY HANDHOLE	H	H
DOUBLE HANDHOLE	▨	■
G.S. CONDUIT IN TRENCH OR PUSHED	═══	— — —
PEDESTRIAN PUSHBUTTON DETECTOR	◎	⊙
DETECTOR LOOP	⬚	□

	EXISTING	PROPOSED
CAST IRON JUNCTION BOX	ⓘ "E"	ⓘ
EMERGENCY VEHICLE SYSTEM DETECTOR	◁	◀
CONFIRMATION BEACON	◁	◀
SIGNAL HEAD OPTICALLY PROGRAMMED	–▷"P"	→"P"
CONDUIT SPLICE		—
WOOD POLE	⊗ "E"	⊗
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	═══"E"	═══
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	–▭	–■
RAILROAD CONTROLLER	"E" ⊠	⊠
TELEPHONE CONNECTION	⬚	T
ILLUMINATED SIGN, "NO LEFT TURN"	"E"	
ILLUMINATED SIGN, "NO RIGHT TURN"	"E"	
IMAGE SENSOR		■
PROPOSED ANTENNA		●))))
DETECTOR ZONE		▬
UNINTERRUPTIBLE POWER SUPPLY		UPS

SCHEDULE OF TRAFFIC SIGNAL EQUIPMENT

MA–1	36' MAST ARM, 15' LUMINAIRE ARM, 30' LUMINAIRE MOUNTING HEIGHT
MA–2	30' MAST ARM
MA–3	36' MAST ARM, 15' LUMINAIRE ARM, 30' LUMINAIRE MOUNTING HEIGHT
MA–4	40' MAST ARM
P–1	16' POST
P–2	16' POST

STRUCTURE	STATION	OFFSET
MA–1	106+62	50' LT
MA–2	107+23	54' LT
MA–3	107+40	40' RT
MA–4	106+57	49' RT
P–1	107+47	42' LT
P–2	107+28	49' RT

REVISIONS	
NAME	DATE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" BRAND.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN

MAIN STREET & MORRIS AVENUE

20 0 20
SCALE IN FEET

DATE: 11/26/07
DESIGNED BY: BRD
CHECKED BY: JJE