

650 LIN.FT. ELECTRIC CABLE IN CONDUIT, SIGNAL, #14, 5C

650 LIN.FT. ELECTRIC CABLE IN CONDUIT, SIGNAL, #14, 7C

1440 LIN.FT. ELECTRIC CABLE IN CONDUIT, LEAD-IN, #14 1 PAIR

45 LIN.FT. CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER

TEMPORARY TRAFFIC SIGNAL INSTALLATION

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

REMOVE EXISITING CONCRETE FOUNDATION

LED SIGNAL FACE RETROFIT, YELLOW BALL

LED SIGNAL FACE RETROFIT, RED BALL

LED SIGNAL FACE RETROFIT, GREEN BALL

LED SIGNAL FACE RETROFIT, YELLOW ARROW EACH LED SIGNAL FACE RETROFIT, GREEN ARROW

RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY

INDUCTIVE LOOP DETECTOR

LIGHT DETECTOR AMPLIFIER

RELOCATE EXISTING SIGNAL HEAD

MODIFY EXISTING CONTROLLER

2 EACH LED SIGNAL FACE RETROFIT, WALK SIGNAL

1 EACH RELOCATE EXISTING HANDHOLE

2 EACH LED SIGNAL FACE RETROFIT, DON'T WALK SIGNAL

LIN.FT. DETECTOR LOOP, TYPE 1

1

3

3 EACH

350

2 EACH

3 EACH

6 EACH

6 EACH

6 EACH

250 LIN.FT. ELECTRIC CABLE IN CONDUIT #20 3/C, TWISTED, SHIELDED

1 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 24FT

1 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 28FT

SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED

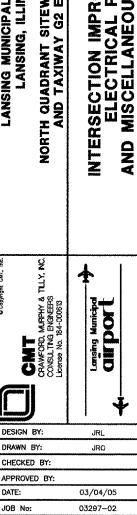
SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED

TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

- THE CONTRACTOR SHALL INFORM THE CCHD ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
- THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT THE COUNTY ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO CUTTING OF THE LOOPS. A NIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS
- ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0" FROM END OF MAST ARM UNLESS OTHERWISE NOTED.
- ALL SIGNAL POSTS SHALL BE SET BACK FOUR (4) FEET MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK SIX (6) FEET MINIMUM FROM THEIR CENTERLINE TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND SIGNAL POST SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR EXALOCATIONS OF THE UTILITIES CALL J.U.L.I.E. TOLL FREE AT (800) 892-0123.
- IT IS CONTRACTORS' RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
- ALL ELECTRIC CABLE TO HAVE POLYVINYL CHLORIDE JACKET.
- CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHOULD BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED.
- REFER TO THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." (RED BOOK) ADOPTED JANUARY 1, 2002 FOR SPECIFICATIONS ASSOCIATED WITH THIS IMPROVEMENT.
- VEHICLE LOOP DETECTOR SHALL BE COMPATIBLE WITH THE
- THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE COOK COUNTY HIGHWAY DEPARTMENT AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL
- ALL PROPOSED TRAFFIC SIGNALS SHALL BE LED.
- THE CONTRACTOR SHALL RETROFIT ALL EXISTING TRAFFIC EQUIPMENT TO REMAIN TO LED.

TRAFFIC SIGNAL LEGEND		
PROPOSED	EXISTING	
8	\boxtimes	CONTROLLER
-##-		SERVICE INSTALLATION
◄	<	SIGNAL HEAD
←	<+-	SIGNAL HEAD WITH BACKPLATE
	-0	SIGNAL HEAD, PEDESTRIAN
•	0	SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
UD		UNIT DUCT
CT		COMMON TRENCH
	\square	HANDHOLE
H	H	HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
⊚	0	PEDESTRIAN PUSHBUTTON DETECTOR
	[]	DETECTOR LOOP
104	bo⊲	EMERGENCY VEHICLE LIGHT DETECTOR
•••	∞	CONFIRMATION BEACON
		CONDUIT SPLICE
8	⊗	WOOD POLE

- DISREGARD ALL DETAILS AND NOTES REGARDING PAVEMENT BLOCKOUTS ON I.D.O.T. STANDARD NO. 420701 AND COMPLY WITH LD.O.T. STANDARD NO. 420111 AT ALL DRAINAGE/UTILITY STRUCTURE LOCATIONS.
- WHERE THE PROPOSED PAVEMENT OR TYPE C-4 MEDIAN ABUTS THE EXISTING PAVEMENT LONGITUDINALLY, PROVIDE A TIED LONGITUDINAL CONSTRUCTION JOINT IN ACCORDANCE WITH I.D.O.T. STANDARD NO. 420001, USING 3/4 INCH DIAMETER TIE BARS AT 24 INCH CENTERS.
- WHERE THE PROPOSED PAVEMENT OR TYPE C~4 MEDIAN ABUTS THE EXISTING PAVEMENT OR TYPE C~4 MEDIAN TRANSVERSELY, PROVIDE A TRANSVERSE JOINT IN ACCORDANCE WITH I.D.O.T. STANDARD NO. 442101, USING 1 1/2 INCH DIAMETER DOWEL BARS AT 12 INCH CENTERS.
- PROVIDE TRANSVERSE SAWED CONTRACTION JOINTS EVERY 20 FEET IN ACCORDANCE WITH LD.O.T. STANDARD NO. 420001, USING 1 1/2 INCH DIAMETER DOWEL BARS AT 12 INCH CENTERS AND ALIGN PROPOSED JOINTS WITH EXISTING JOINTS. SAWED, GROOVE AND JOINT SEAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH I.D.O.T. STANDARD 42 0001 (COST INCIDENTAL TO P.C.C. PAVEMENT).
- IF A PROPOSED TRANSVERSE SAW CUT IS LOCATED LESS THAN 10 FEET FROM AN EXISTING TRANSVERSE JOINT, THEN THE EXISTING PAVEMENT OR TYPE C-4 MEDIAN SHALL BE REMOVED AND REPLACED UP TO THE EXISTING TRANSVERSE JOINT.
- PAVEMENT PATCHES SHALL BE CLASS B. CONSTRUCTED IN ACCORDANCE WITH I.D.O.T. STANDARD NO. 442101 AND SHALL EXTEND THE FULL WIDTH OF THE EXISTING LANE(S). WHERE PATCHING MORE THAN ONE LANE WIDTH, PROVIDE A TIED LONGITUDINAL JOINT (CONSTRUCTION OR SAWED) BETWEEN LANES, IN ACCORDANCE WITH I.D.O.T. STANDARD NO. 420001. C.C.H.D. CONSTRUCTION NOTE NUMBERS 1 THROUGH 8 SHALL APPLY TO THE CONSTRUCTION OF CLASS B PATCHES.
- CURB AND GUTTER SHALL BE CONSTRUCTED AND TIED INTO ABUTTING EXISTING OR PROPOSED P.C.C. PAYEMENT IN ACCORDANCE WITH I.D.O.T. STANDARD NUMBERS 606001 AND 420001, USING 3/4 INCH DIAMETER TIE BARS AT 24 INCH CENTERS.
- CONSTRUCT TYPE C-4 AND TYPE M-7 MEDIANS IN ACCORDANCE WITH THE C.C.H.D. MEDIAN
- PLACEMENT OF CATCH BASINS WITHIN TYPE M-7 MEDIAN SHALL BE IN ACCORDANCE WITH THE C.C.H.D. "POLICY FOR DRAINING TYPE M-7 MEDIAN" STANDARD.
- WHERE A MEDIAN OPENING IS PROVIDED, THE PAVEMENT SHALL BE CROWNED AT THE CENTERLINE USING A ONE PERCENT CROSS SLOPE.
- ALL TRENCHES WITHIN THE COUNTY RIGHT OF WAY SHALL BE BACKFILLED WITH FA-6 SAND IN ACCORDANCE WITH ARTICLE 550.07 OF THE I.D.O.T. STANDARD SPECIFICATIONS. THE BACKFILLING MUST EXTEND UP TO THE PROPOSED SUBBASE IN PAVEMENT SECTIONS. COST SHALL BE INCIDENTAL TO RESPECTIVE PAY ITEM.
- ALL PAVEMENT MARKING WORK ALONG GLENWOOD-LANSING ROAD SHALL BE PER C.C.H.D.
- ALL DISTURBED LAWN AREAS/SHOULDER AREAS WITHIN C.C.H.D. RIGHT-OF-WAY SHALL BE RESTORED WITH 4" TOPSOIL AND SOD PER THE STORM WATER POLLUTION PREVENTION PLAN. PAYMENT SHALL BE UNDER ITEM 905 AND ITEM 908 PER STANDARD SPECIFICATIONS OF CONSTRUCTION OF AIRPORTS.



IL PROJECT: IGQ-3329 A.I.P. PROJECT: 3-17-0121-B21

SHEET 49 OF 50 SHEETS