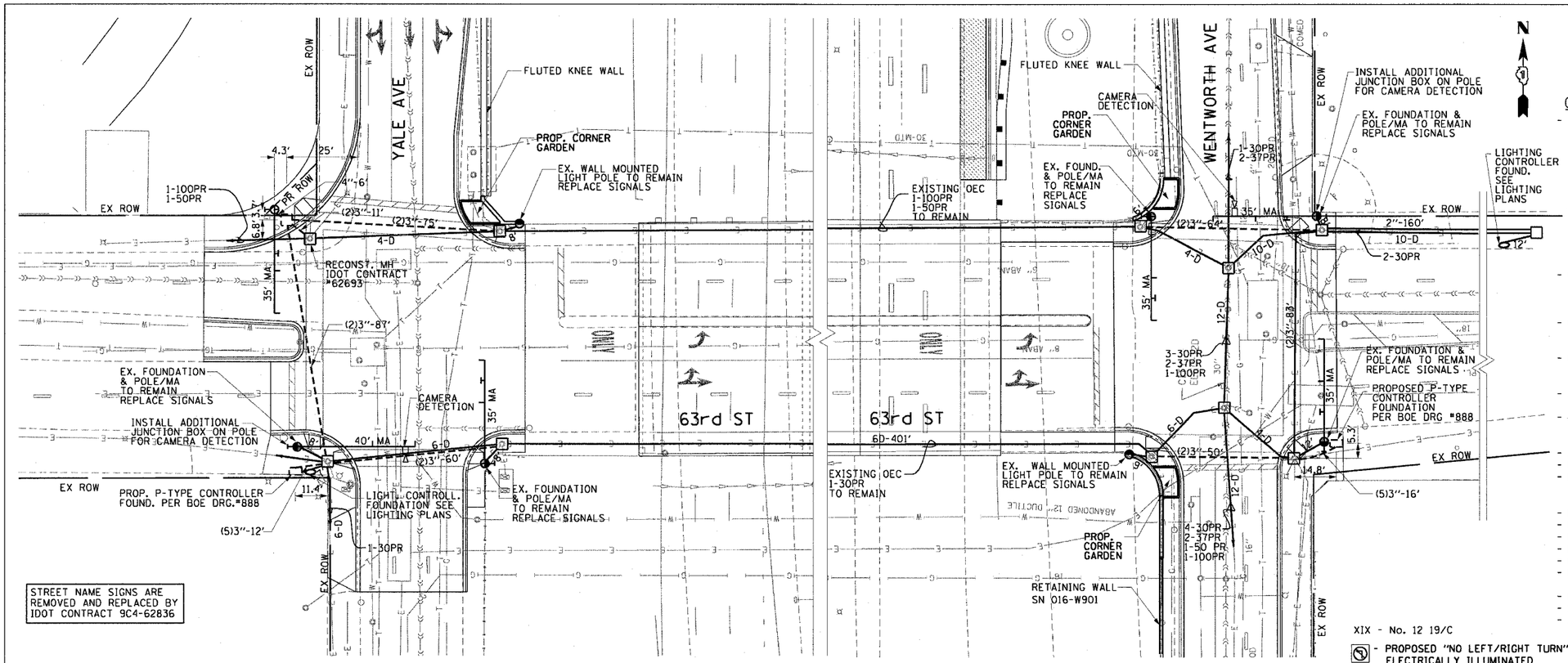
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94 | 2004-099TS | COOK | 65 | 23 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

62840




## CONDUIT AND FOUNDATION PLAN

SCALE: 1"=20'

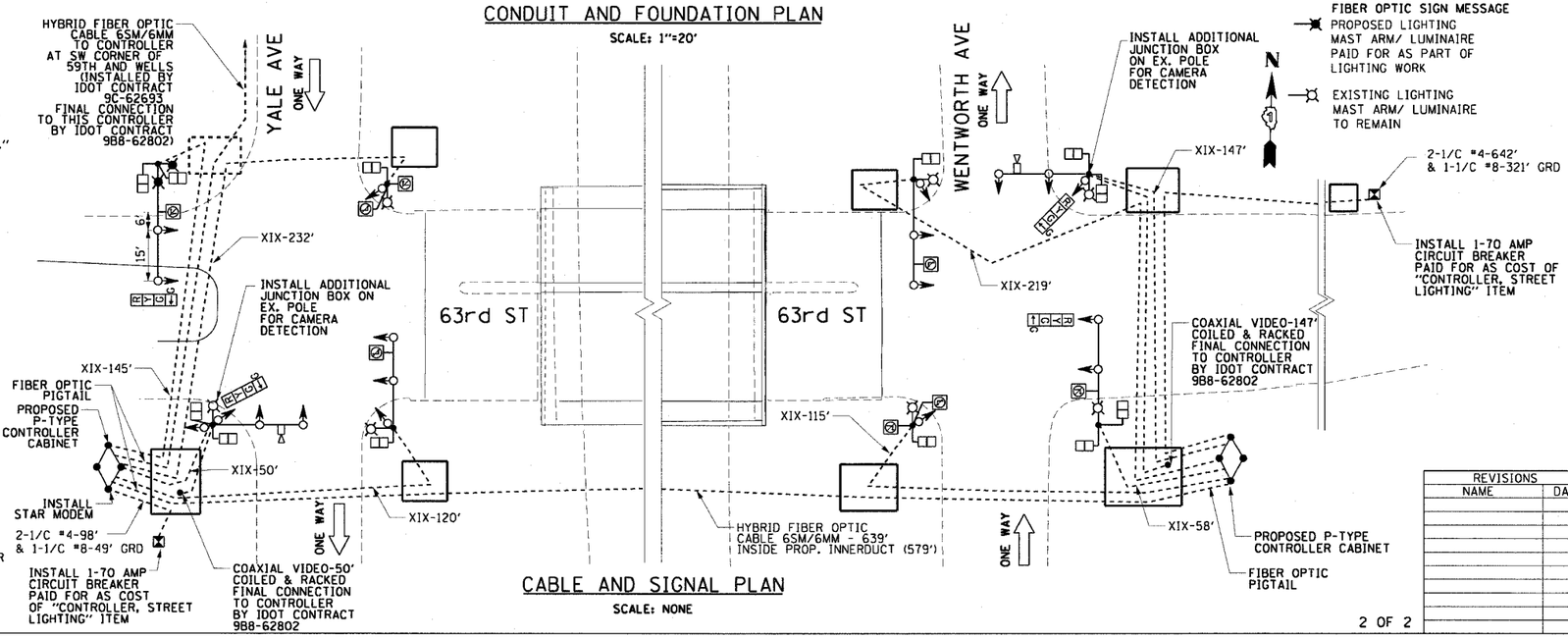
## CONSTRUCTION NOTES :

- THIS INTERSECTION CONTAINS EXISTING FIRE ALARM AND POLICE COMMUNICATION SYSTEM WHICH WILL REMAIN IN-PLACE. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE CITY OF CHICAGO OFFICE OF EMERGENCY COMMUNICATIONS (OEC), MR. JEFF CAIRNS: 312-746-9840, PRIOR TO THE COMMENCEMENT OF ALL WORK. REQUIRED COORDINATION OF WORK WITH THE OEC MUST BE INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE GRANTED. WHILE WORKING NEAR THE OEC FACILITIES, THE CONTRACTOR SHALL TAKE EXTREME CARE NOT TO IMPACT OR DAMAGE THESE FACILITIES. ANY DAMAGE TO THESE FACILITIES SHALL BE PAID FOR BY THE CONTRACTOR AT HIS/HER EXPENSE.
- CONTRACTOR MUST NOTIFY THE CHICAGO DEPARTMENT OF TRANSPORTATION'S BUREAU OF TRAFFIC (312) 744-0330, 72 HOURS BEFORE COMMENCING CONSTRUCTION OR CHANGING TRAFFIC FLOW.
- CONTRACTOR TO CONTACT ALL UTILITIES PRIOR TO EXCAVATION FOR EXACT LOCATION OF THEIR UNDERGROUND FACILITIES.
- UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FACE OF CURB. A MINIMUM DISTANCE OF 3 FEET IS DESIRABLE FROM CURB FACE TO POLE/PEDESTAL CENTERLINE.
- ALL FOUNDATIONS IN SIDEWALK TO BE INSTALLED PER BOE DRAWINGS #828 & #837. .
- ALL PEDESTRIAN SIGNALS TO BE 16" L.E.D. SINGLE FACE. MOUNT ALL PEDESTRIAN SIGNALS BELOW TRAFFIC SIGNALS WHERE APPLICABLE
- ALL TRAFFIC SIGNALS TO BE 12" L.E.D..
- PROPOSED TRAFFIC EQUIPMENT TO BE PAINTED BLACK.
- UNLESS OTHERWISE INDICATED, CONDUIT UNDER PAVEMENT TO BE PVC (SCHEDULE #80) AND UNDER SIDEWALK AND PARKWAY TO BE (SCHEDULE #40).
- FOR STANDARD CODE SEE BOE DRAWING #826.
- ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM (644').
- REPAIR AND REPLACE DAMAGED CONDUIT(65').
- DRILL EXISTING MANHOLE OR HANDHOLE (28 EACH).
- CLEAN EXISTING MANHOLE OR HANDHOLE (8 EACH).
- PAINT EXISTING POLE, POST, OR CONTROLLER COMPLETE (7 EACH).
- RACKING CABLES IN MANHOLE OR HANDHOLE (9 EACH).
- SYSTEM CAMERA DETECTION (2 EACH)
- ADDITIONAL JUNCTION BOX ON EXISTING POLE FOR CAMERA DETECTION (2 EACH)

XIX - No. 12 19/C

- PROPOSED "NO LEFT/RIGHT TURN" ELECTRICALLY ILLUMINATED FIBER OPTIC SIGN MESSAGE
- PROPOSED LIGHTING MAST ARM/ LUMINAIRE PAID FOR AS PART OF LIGHTING WORK
- EXISTING LIGHTING MAST ARM/ LUMINAIRE TO REMAIN

- OPTICAL SPLICES AND ENCLOSURE, OPTICAL TERMINATIONS, PIGTAILS, PATCHCORDS, MULTIMODE TO SINGLE MODE CONVERTORS, FIBER PATCH PANEL, AND HARDWARE AND SOFTWARE REQUIRED, BUT NOT LIMITED TO A FULLY OPERATIONAL SYSTEM AS WELL AS A FUTURE CONNECTION TO A CLOSED LOOP SYSTEM, SHALL BE PAID FOR AS PART OF "CABINET WORK, SPLICING, TESTING AND MISC." ITEM.
- ALL FIBER OPTIC CABLE RUNS SHALL BE CONTINUOUS FOR THE ENTIRE CORRIDOR WITH NO SPLICES EXCEPT AS APPROVED BY THE BUREAU OF ELECTRICITY.
- AT NO TIME SHALL BEND RADIUS OR CABLE TENSION EXCEED THE CABLE MANUFACTURER'S SPECIFICATIONS UNDER LOAD AND NO LOAD CONDITIONS.
- WITHIN MANHOLES, FIBER OPTIC CABLE SHALL BE WITHIN SPLIT FLEXIBLE INNER DUCT THAT IS NEATLY RACKED ON THE MANHOLE WALL.
- AT THE MANHOLE ADJACENT TO EACH SIGNAL CONTROLLER, A MINIMUM 4-PAIRS OF THE MULTIMODE PIGTAIL SHALL BE SELECTIVELY FUSION SPLICED TO THE CORRESPONDING ACTIVE FIBERS OF THE CABLE RUN. THE PIGTAIL PAIRS MUST CONNECT TO THE FIBER PATCH PANEL IN THE CONTROLLER CABINET THROUGH SINGLE-MODE AND MULTI-MODE FIBERS, IF ANY, MUST NOT BE CUT.
- ALL BARE FIBERS AND SPLICES MUST BE PROTECTED AND CONTAINED IN OPTICAL SPLICE TRAYS WITHIN THE ENVIRONMENTAL SPLICE ENCLOSURE. AS SPECIFIED.
- A CABLE LOG MUST BE DEVELOPED BY THE CONTRACTOR AND INCLUDED IN CONTROLLER CABINET.
- A TRACER WIRE (TRACER COPPER # 10) MUST BE PLACED IN CONDUIT WITH FIBER OPTIC FOR UTILITY LOCATION PURPOSES.
- ALL EXISTING 7-CONDUCTOR INTERCONNECT CABLE MUST BE REMOVED PRIOR TO INSTALLATION OF INNERDUCT.




## CABLE AND SIGNAL PLAN

SCALE: NONE

| A | |
|---|---|
| DATE | REVISION |

TRAFFIC CONTROL SIGNALS
63RD STREET AT WENTWORTH AVENUE
AND WELLS STREET
CONDUIT, FOUNDATION AND CABLE PLAN

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

| | | |
|---|---|---|
| DRAFTSMAN: | CHIEF DRAFTSMAN: | ENGINEER: |
| SUPERVISING ENGINEER: | ELEC. DESIGN ENGR. | DWG. NO. |
| ENGINEER OF ELECTRICITY: | | |
| GEN'L SUPT. OF ELECTRICITY: | | 12189A |
| DEPUTY COMMISSIONER: | | |
| SIZE: 22" X 36" | SCALE: AS NOTED | Nove. 05, 2004 |

| REVISIONS | |
|---|---|
| NAME | DATE |

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)

TRAFFIC SIGNALS AT 63RD STREET AND WENTWORTH AVENUE/ WELLS STREET

TRAFFIC CONTROL SIGNALS
CONDUIT, FOUNDATION AND CABLE PLAN

SCALE: AS SHOWN — DRAWN BY: MRK/NJH
DATE: November 05, 2004 — CHECKED BY: MS

2 OF 2

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