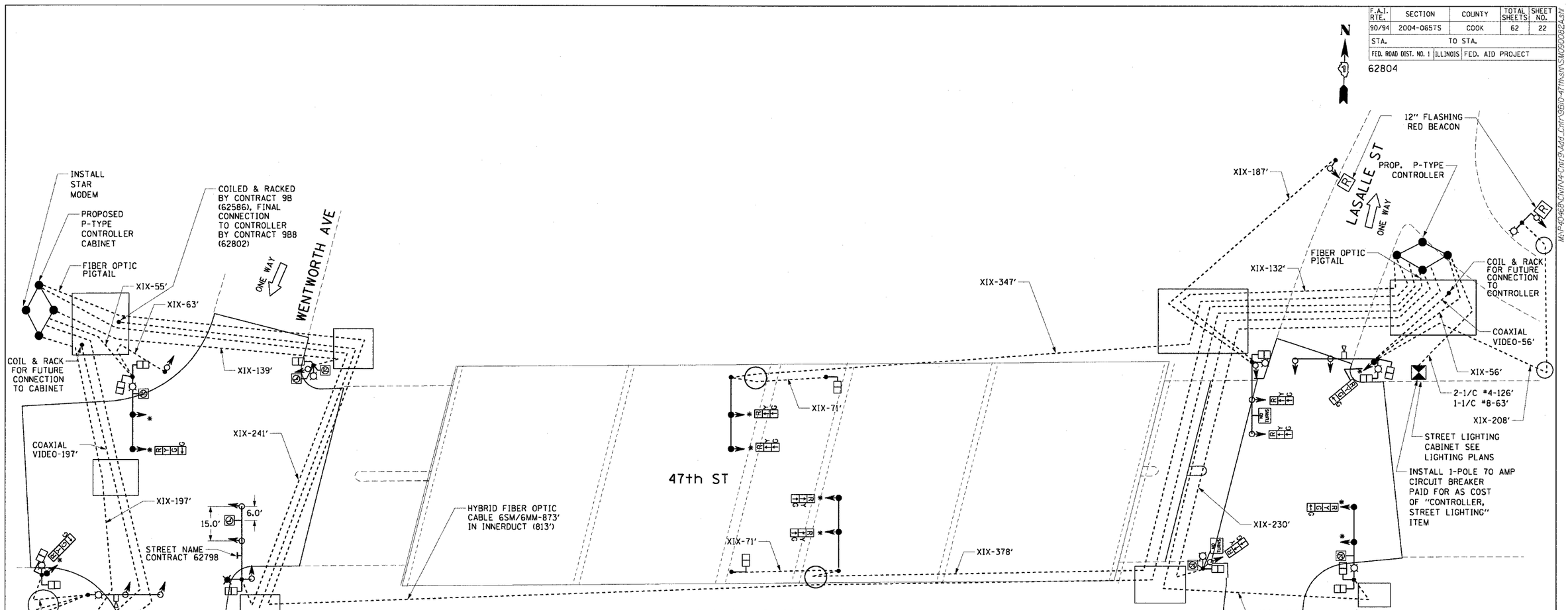
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-0657S	COOK	62	22
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62804



CABLE AND SIGNAL PLAN

SCALE: NONE

CONSTRUCTION NOTES :

- THIS INTERSECTION CONTAINS EXISTING FIRE ALARM/POLICE COMMUNICATION SYSTEM WHICH WILL REMAIN IN-PLACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OEC (MR. JEFF CAIRNS; 312-746-9840) PRIOR TO THE COMMENCEMENT OF ALL WORK AND SHALL TAKE EXTREME CARE NOT TO IMPACT OR DAMAGE THE OEC FACILITIES. REQUIRED COORDINATION OF WORK WITH THE OEC SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE GRANTED. ANY DAMAGE TO THE OEC FACILITIES SHALL BE PAID 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.
- CONTRACTOR SHALL VERIFY THE EX. CABLE ROUTING PRIOR TO INSTALLATION OF PROP. TRAFFIC SIGNAL CABLES.
- 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" LED.
- ALL TRAFFIC SIGNAL EQUIPMENT TO BE PAINTED BLACK.
- FOR STANDARD CODE SEE DRAWING #826
- CONTRACTOR SHALL NOTE THAT OPTICAL SPLICES AND ENCLOSURE, OPTICAL TERMINATIONS, PIGTAILS, PATCHCORDS, MULTIMODE TO SINGLE MODE CONVERTORS, FIBER PATCH PANEL, AND HARDWARE AND SOFTWARE REQUIRED FOR A FULLY OPERATIONAL SYSTEM AS WELL AS FUTURE CONNECTION TO A CLOSED LOOP SYSTEM, ARE 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 THE CONDUIT WITH FIBER OPTIC CABLE FOR UTILITY LOCATION PURPOSES.
- ALL EXISTING 7-CONDUCTOR INTERCONNECT CABLE MUST BE REMOVED PRIOR TO INSTALLATION OF INNERDUCT.

NO TURNS - PROPOSED "NO TURNS", "NO LEFT/RIGHT TURN" FIBER OPTIC SIGN MESSAGE

*-DENOTES EXISTING "3M" OPTICALLY PROGRAMMED TRAFFIC SIGNAL HEAD

PROPOSED LIGHTING MAST ARM AND LUMINAIRE PAID FOR AS PART OF LIGHTING WORK

EXISTNG LIGHTING MAST ARM AND LUMINAIRE TO REMAIN

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5202, PHONE: (312) 938-0300

A	
DATE	REVISION

TRAFFIC CONTROL SIGNALS
WELLS ST - WENTWORTH AVE
LASALLE ST - WENTWORTH AVE
AT 47th STREET

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:		14418
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" X 36"	SCALE: AS NOTED	Oct. 29, 2004

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
TRAFFIC SIGNALS AT 47TH STREET WITH WENTWORTH AVENUE - LASALLE STREET AND WELLS STREET - WENTWORTH AVENUE

TRAFFIC CONTROL SIGNALS
CABLE PLAN

SCALE: AS SHOWN — DRAWN BY: MRK/NJH
DATE: October 29, 2004 — CHECKED BY: MS

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