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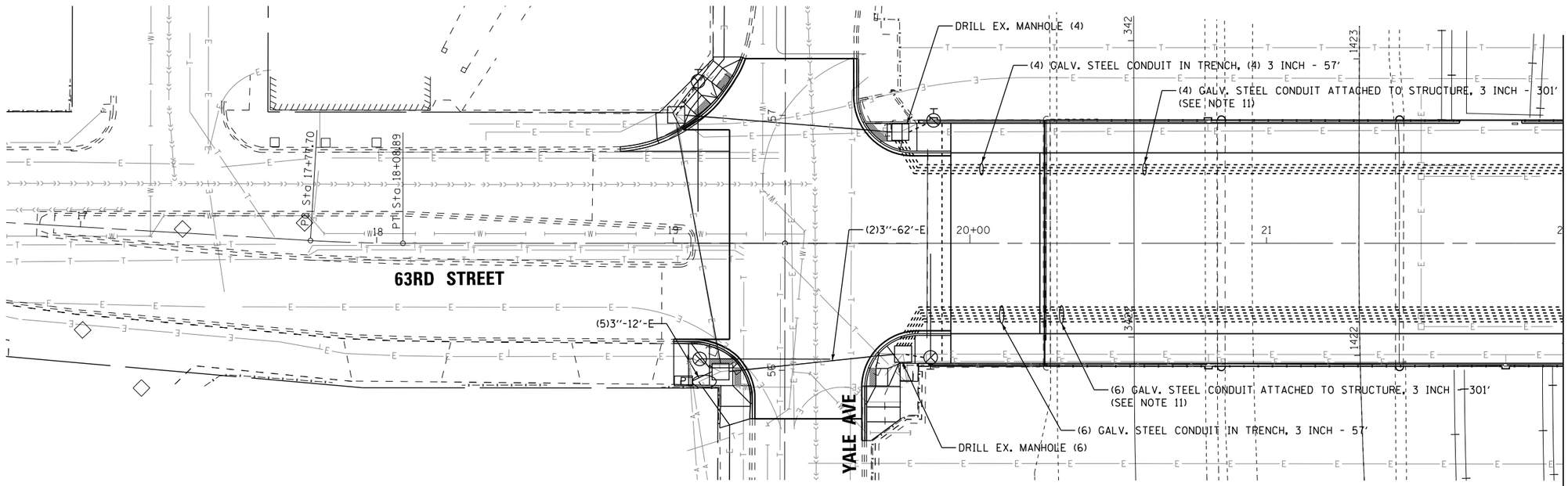
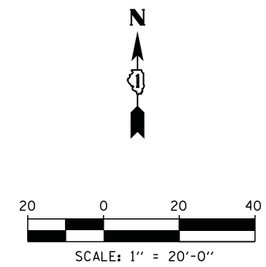
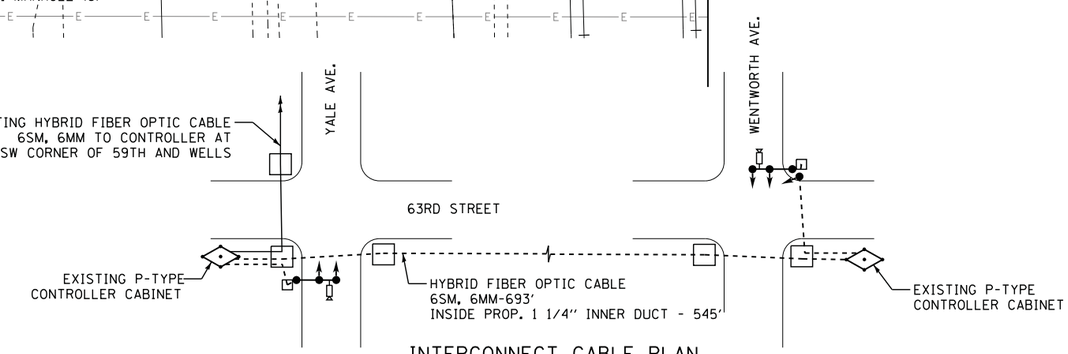


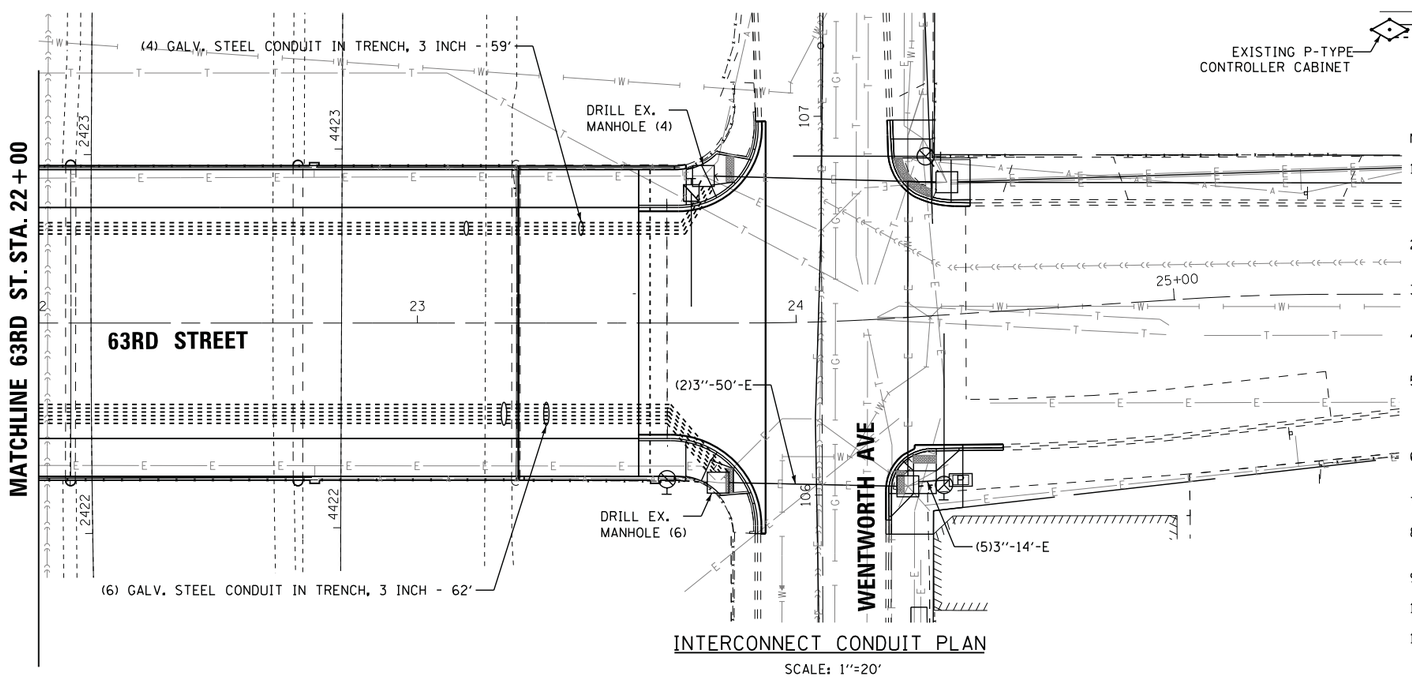
INTERCONNECT CONDUIT PLAN

SCALE: 1"=20'





INTERCONNECT CABLE PLAN



INTERCONNECT CONDUIT PLAN

SCALE: 1"=20'

NOTES:

1. OPTICAL SPLICES, OPTICAL TERMINATIONS, PIGTAILS, PATCHCORDS, MULTIMODE TO SINGLE MODE CONVERTERS, 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.
2. ALL FIBER OPTIC CABLE RUNS SHALL BE CONTINUOUS FOR THE ENTIRE CORRIDOR WITH NO SPLICES EXCEPT AS APPROVED BY THE BUREAU OF ELECTRICITY.
3. AT NO TIME SHALL BEND RADUIS OR CABLE TENSION EXCEED THE CABLE MANUFACTURER'S SPECIFICATIONS UNDER LOAD AND NO LOAD CONDITIONS.
4. WITHIN MANHOLES, FIBER OPTIC CABLE SHALL BE WITHIN SPLIT FLEXIBLE INNER DUCT THAT IS NEATLY RACKED ON THE MANHOLE WALL.
5. 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.
6. ALL BARE FIBERS AND SPLICES MUST BE PROTECTED AND CONTAINED IN OPTICAL SPLICE TRAYS WITHIN THE ENVIRONMENTAL SPLICE ENCLOSURE, AS SPECIFIED.
7. A CABLE LOG MUST BE DEVELOPED BY THE CONTRACTOR AND INCLUDED IN CONTROLLER CABINET.
8. A TRACER WIRE (TRACER COPPER #10) MUST BE PLACED IN CONDUIT WITH FIBER OPTIC FOR UTILITY LOCATION PURPOSES.
9. ALL EXISTING 7-CONDUCTOR INTERCONNECT CABLE MUST BE REMOVED PRIOR TO INSTALLATION OF INNERDUCT.
10. SEE STRUCTURAL PLANS FOR EXACT LOCATION OF CONDUITS ATTACHED TO BRIDGE.
11. ALL CONDUIT SUPPORT SYSTEMS INCLUDING HARDWARE, MATERIALS AND INSTALLATION COST FOR THE CDOT 3" AND 2" GALVANIZED STEEL CONDUITS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "CONDUIT ATTACHED TO STRUCTURE,, 3" DIA. GALVANIZED STEEL". SEE SHEET E-5 FOR INSTALLATION DETAILS.

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		DRAWN - LV	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - JDH	REVISED -
	PLOT DATE = 3/27/2014	DATE - 03-31-2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

63RD STREET INTERCONNECT PLAN
YALE AVENUE TO WENTWORTH AVENUE

SCALE: 1"=20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	1920-B	COOK	142	38
		CONTRACT NO. 60J15		
		ILLINOIS FED. AID PROJECT		