

BOYD/CHAUTAUGUA SUMMARY OF WORK

BORES (3" CONDUIT)	CORNER	ESTIMATED WIRE QUANTITIES BY CORNER	
		5/C, 21/C, AND TERRA CAMERA WIRE	POWER WIRE
NORTH LEG 55' ESTIMATED	NE	CORNER TO SIGNAL CABINET-25' ESTIMATED	45' ESTIMATED
SOUTH LEG 55' ESTIMATED	NW	CORNER TO SIGNAL CABINET-80' ESTIMATED	0'
EAST LEG 75' ESTIMATED	SE	CORNER TO SIGNAL CABINET-100' ESTIMATED	0'
	SW	CORNER TO SIGNAL CABINET-180' ESTIMATED	0'

- SE CORNER SCOPE OF WORK: REPLACE PULL BOX (WATER METER STYLE) WITH POLYMER TYPE II PULL BOX WITH APRON. INSTALL 90° ELBOW FOR CONDUIT FROM POLE BASE AND SIGNAL CABINET AT NEW PULL BOX. REPLACE 21/C WIRE, 5/C WIRE, AND TERRA CAMERA WIRE FROM POLE BASE TO SIGNAL CABINET.
- SW, NE, AND NW CORNER SCOPES OF WORK: REPLACE PULL BOX (WATER METER STYLE) WITH POLYMER TYPE II PULL BOX IN SIDEWALK. THIS WILL REQUIRE CONCRETE REPLACEMENT AT NEW PULL BOX LOCATION. INSTALL 90° ELBOW FOR CONDUIT FROM POLE BASE AND SIGNAL CABINET AT NEW PULL BOX. REPLACE 21/C WIRE, 5/C WIRE, AND TERRA CAMERA WIRE FROM POLE BASE TO SIGNAL CABINET.
- TOTAL LUMINAIRE WIRE (1/C NO. 10 ELECTRICAL CONDUCTOR) TO BE REPLACED TO ALL BASES WITH THE WORK IS 375 FEET. POWER WIRE AS SHOWN IS 1/C NO. 8 ELECTRICAL CONDUCTOR.
- THIS INTERSECTION REQUIRES A NEW GALVANIZED CABINET ASSEMBLY WITH PAD. THE NEW LOCATION IS IMMEDIATELY NORTH OF THE EXISTING CABINET WITH SIMILAR DOOR ORIENTATION AS THE EXISTING CABINET. LOCATION TO BE DETERMINED IN THE FIELD. THIS RELOCATION WILL REQUIRE TWO NEW 3" CONDUITS AS WELL AS TWO 2" CONDUITS (ONE FOR POWER AND ONE FOR FIBER) BETWEEN THE NEW PULL BOX AND NEW CABINET LOCATIONS AND REMOVAL OF THE OLD CABINET PAD. THE NEW CABINET SHALL BE FULLY FURNISHED IN NATURAL FINISH ALUMINUM WITH A BATTERY BACK UP SYSTEM IN ACCORDANCE WITH CITY OF NORMAN SPECIFICATIONS. THE CABINET SHALL BE A TS2-1 CABINET EQUIPPED WITH AN ECONOLITE TAP, TIP, AND ALL NECESSARY CABLES AS WELL AS AN ECONOLITE ASC/3-1000 CONTROLLER AND A RENO MMU 1600GE CONFLICT MONITOR.
- REPLACEMENT OF CABINET INCLUDES REINSTALLATION OF CAMERA SYSTEM AND BATTERY BACK-UP SYSTEM TO NEW CABINET.

BOYD/BERRY SUMMARY OF WORK

BORES (3" CONDUIT)	CORNER	ESTIMATED WIRE QUANTITIES BY CORNER	
		5/C, 21/C, AND TERRA CAMERA WIRE	POWER WIRE
WEST LEG 50' ESTIMATED	NE	CORNER TO SIGNAL CABINET-160' ESTIMATED	0'
SOUTH LEG 65' ESTIMATED	NW	CORNER TO SIGNAL CABINET-75' ESTIMATED	0'
EAST LEG 65' ESTIMATED	SE	CORNER TO SIGNAL CABINET-100' ESTIMATED	0'
	SW	CORNER TO SIGNAL CABINET-30' ESTIMATED	45' ESTIMATED

- NE CORNER SCOPE OF WORK: THIS CORNER DOES NOT HAVE A PULL BOX. INSTALL POLYMER TYPE II PULL BOX WITH APRON. INSTALL 90° CONDUIT ELBOW FOR CONDUIT FROM POLE BASE AT NEW PULL BOX. REPLACE 21/C WIRE, 5/C WIRE, AND TERRA CAMERA WIRE FROM POLE BASE TO SIGNAL CABINET.
- NW AND SE CORNER SCOPE OF WORK: NEED TO REPLACE PULL BOX WITH POLYMER TYPE II PULL BOX WITH APRON. INSTALL 90° CONDUIT ELBOW FOR CONDUIT FROM POLE BASE AT NEW PULL BOX. REPLACE 21/C WIRE, 5/C WIRE, AND TERRA CAMERA WIRE FROM POLE BASE TO SIGNAL CABINET.
- SW CORNER SCOPE OF WORK: NEED TO REMOVE AND REPLACE PULL BOX WITH POLYMER TYPE II PULL BOX IN SIDEWALK. THIS WILL REQUIRE CONCRETE REPLACEMENT AT NEW PULL BOX LOCATION. INSTALL 90° ELBOW FOR CONDUIT FROM POLE BASE AT NEW PULL BOX. REPLACE 21/C WIRE, 5/C WIRE, AND TERRA CAMERA WIRE FROM POLE BASE TO SIGNAL CABINET. INSTALL 2" HDPE CONDUIT FROM R48 GROUND BOX TO NEW PULL BOX AND 3" CONDUIT FROM NEW PULL BOX INTO CABINET. THIS WILL REQUIRE REMOVING A PORTION OF THE EXISTING CONCRETE CABINET PAD AND REPLACING ONCE THE CONDUIT IS INSTALLED.
- POWER WIRE AS SHOWN IS 1/C NO. 8 ELECTRICAL CONDUCTOR.

BOYD/FLOOD SUMMARY OF WORK

- INSTALL 2" HDPE CONDUIT FROM R48 GROUND BOX INTO EXISTING PULL BOX ON SW CORNER. THIS WILL INVOLVE SOME CONCRETE REPLACEMENT.
- INSTALL NEW 3" CONDUIT FROM PULL BOX ON SW CORNER INTO CABINET. THIS WILL REQUIRE REMOVING A PORTION OF THE EXISTING CONCRETE CABINET PAD AND REPLACING ONCE THE CONDUIT IS INSTALLED.

BOYD/ASP SUMMARY OF WORK

- THIS INTERSECTION REQUIRES A NEW BLACK (P59) CABINET ASSEMBLY WITH PAD. THE NEW LOCATION IS IMMEDIATELY SOUTH OF THE EXISTING CABINET WITH SIMILAR DOOR ORIENTATION AS THE EXISTING CABINET. LOCATION TO BE DETERMINED IN THE FIELD. THIS RELOCATION WILL REQUIRE TWO NEW 3" CONDUITS AS WELL AS TWO 2" CONDUITS (ONE FOR POWER AND ONE FOR FIBER) BETWEEN THE NEW PULL BOX AND NEW CABINET LOCATIONS AND REMOVAL OF THE OLD CABINET PAD. THE NEW CABINET SHALL BE FULLY FURNISHED IN POWDER COATED BLACK FINISH WITH A BATTERY BACK UP SYSTEM (ALSO IN A POWDER COATED BLACK CABINET) IN ACCORDANCE WITH CITY OF NORMAN SPECIFICATIONS. THE CABINET SHALL BE A TS2-1 CABINET EQUIPPED WITH AN ECONOLITE TAP, TIP, AND ALL NECESSARY CABLES AS WELL AS AN ECONOLITE ASC/3-1000 CONTROLLER AND A RENO MMU 1600GE CONFLICT MONITOR. THE CABINET WILL ALSO NEED TO INCLUDE A POLARA CCU, FAILSAFE BOARD, AND ALL CABLES NEEDED TO RECONNECT THE POLARA APS BUTTONS EXISTING AT THE INTERSECTION.
- REPLACEMENT OF CABINET INCLUDES REINSTALLATION OF CAMERA SYSTEM, POLARA PUSHBUTTON SYSTEM, AND A BATTERY BACK-UP SYSTEM TO NEW CABINET.

DESIGN	CEM	02/16	BOYD ST. AND UNIVERSITY BLVD.  INTERSECTION SCOPE OF WORK
DRAWN	CEM	02/16	
CHECKED	NDT	02/16	
APPROVED			
SQUAD	<b>GARVER</b>		
STATE JOB NO. 24285(04)			SHEET NO. 9