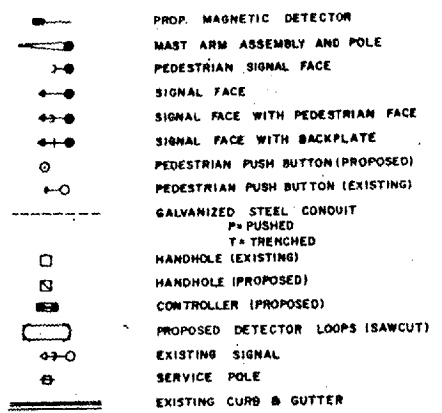


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	9	9
WEST FRANKFORT		MAIN STREET		

CONTRACT NO. 99302
PROJECT NO. TE-00D9(93)

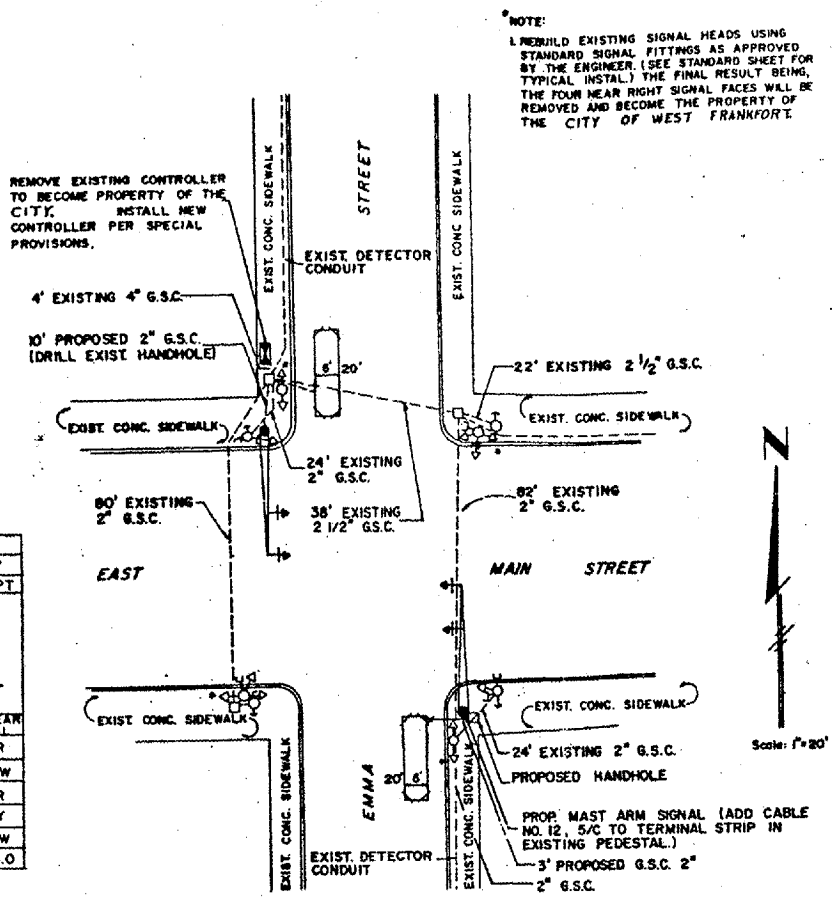
TRAFFIC SIGNAL LEGEND



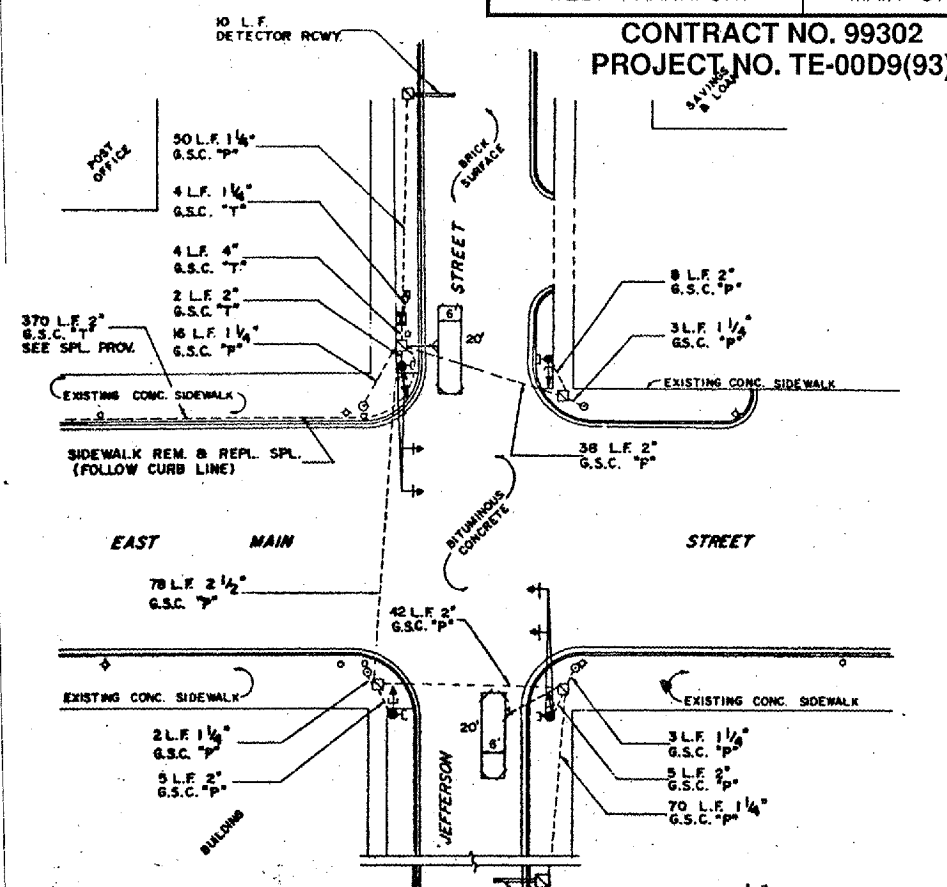
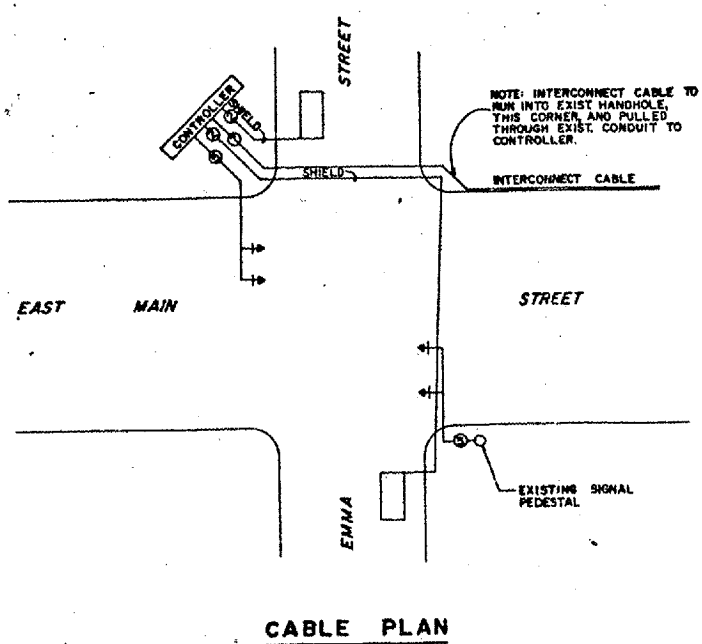
PROPOSED OPERATION TABLE													
NORMAL SEQUENCE - BOTH CONTROLLERS								FIRE LANE SEQUENCE - EMMA ST. ONLY					
PHASE	A				B				NORM A		NORM B		PREEMPT
MOVEMENT	[Diagram]				[Diagram]				SEE A MOVEMENT		SEE B MOVEMENT		[Diagram]
INTERVAL	1	2	3	4	5	6	7	8	FLASH	CALL	CALL	DWELL	CLEAR
MAIN STREET	G	G	Y	R	R	R	R	R	R	G	Y	R	R
CROSS STREET	R	R	R	R	G	G	Y	R	R	R	R	G	Y
INT. TIME	20	10	3.0	0.25	7	13	3.0	0.75			3.0	3.0	3.0

- NOTES:** WALK, DON'T WALK, & DWELL
- PHASE A SHALL OPERATE SEMI-ACTUATED AND DWELL IN INTERVAL 1.
 - INTERVAL 5, UPON VEHICLE ACTIVATION WITH NO PEDESTRIAN CALL, SHALL TIME AS FOLLOWS: INITIAL = 8 SECONDS, UNIT EXTENSION = 2 SECONDS, AND MAX TIME = 25 SECONDS.
- NOTES: FIRE LANE**
- DURING FL. SEQUENCE BOTH CONTROLLERS SHALL RECEIVE "PHASE A" HOLD SIGNALS.
 - ALL TIME SETTINGS SHALL BE DIGITAL, ADJUSTABLE.
 - THE INTERCONNECTION WITH THE FIRE STATION IS IN PLACE.

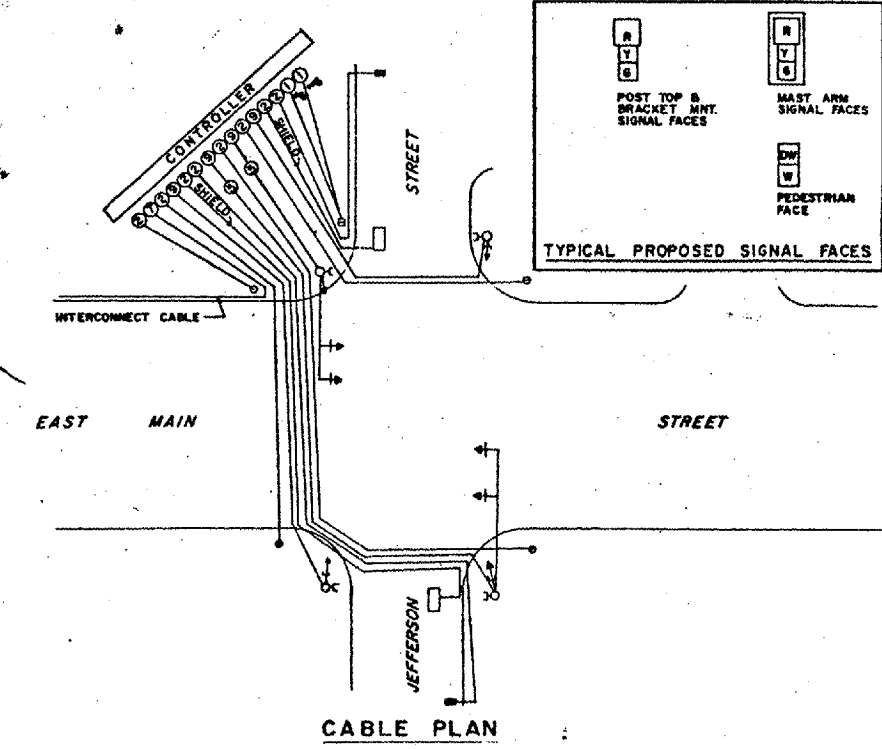
- NON-METALLIC END BELLS SHALL BE USED ON ALL CONDUITS ENTERING HANDHOLES.
 - NO LOOPS (IN HANDHOLES OR POLE BASES) OR SLACK IN SHIELDED CABLES WILL BE PERMITTED FROM VEHICLE DETECTORS TO THE CONTROLLER.
 - LOOP DETECTOR WIRE SHALL BE NO. 12 AWG. MINIMUM, OF NUMBER OF TURNS AS RECOMMENDED BY THE MANUFACTURER OF THE SIGNAL EQUIPMENT.
 - LOOPS SHALL BE WOUND CLOCKWISE, AND THE BEGINNING LEAD MARKED FOR IDENTIFICATION.
 - EXACT LOCATIONS OF FOUNDATIONS AND DETECTOR LOOPS SHALL BE MARKED BY THE ENGINEER PRIOR TO EXCAVATING OR SAW CUTTING.
 - ALL TRAFFIC SIGNAL FOUNDATION CENTERS SHALL BE A MINIMUM OF 3 FEET FROM THE CURB FACE. LOCATION IN FIELD APPROVED BY THE ENGINEER.
- ALL CONDUITS STUBBED INTO FOUNDATIONS SHALL BE EQUIPPED WITH INSULATED-THROAT BONDING BUSHINGS AND GROUNDED ACCORDINGLY.
 - ANY SIDEWALK, CURB AND GUTTER, DRIVEWAY, OR STREET SURFACE WHICH REQUIRES REMOVAL FOR THE INSTALLATION OF ANY TRAFFIC SIGNAL EQUIPMENT, HANDHOLES, OR CONDUITS, SHALL BE SAWCUT OR REMOVED TO AN EXISTING JOINT, AND REPLACED OR REPAIRED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE PARTICULAR EQUIPMENT OR MATERIAL BEING INSTALLED, UNLESS OTHERWISE SPECIFIED, AND NO ADDITIONAL COMPENSATION ALLOWED.
 - THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THESE FACILITIES WITH THE FOLLOWING PUBLIC AND PRIVATE UTILITY COMPANIES:
GENERAL TELEPHONE COMPANY, MARION, ILLINOIS
CENTRAL ILLINOIS PUBLIC SERVICE COMPANY, MARION, ILLINOIS
CITY OF WEST FRANKFORT, STREET DEPARTMENT, WEST FRANKFORT, ILLINOIS
CITY OF WEST FRANKFORT, WATER & SEWER DEPARTMENT, WEST FRANKFORT, ILLINOIS
 - ALL INSTALLATION COST CHARGED BY THE UTILITY COMPANIES SHALL BE BORNE BY THE CONTRACTOR.



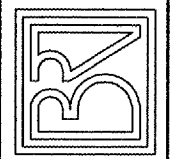
DETAIL OF INTERSECTION
MAIN & EMMA INTERSECTION



DETAIL OF INTERSECTION
MAIN & JEFFERSON INTERSECTION



BROWN AND ROBERTS, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
1 WEST RIDGE ROAD HARRISBURG, IL 62946 (618) 252-8111



CITY OF WEST FRANKFORT
STREETSCAPE IMPROVEMENTS
IDOT SIGNAL DETAILS

Drawn By:	Checked By:
ECB	MWR
Revisions	
Item	Date By
Scale:	Field Bk:
AS SHOWN	
Job Number:	Date:
05-136	03/2007

31 May 2007 - 8:35am X:\2005\05136\plans\quantity and detail sheets.dwg: Layout Tab Model