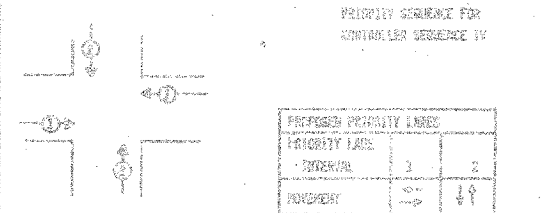


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	04-00051-00-SW	DUPAGE	46	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 83820				

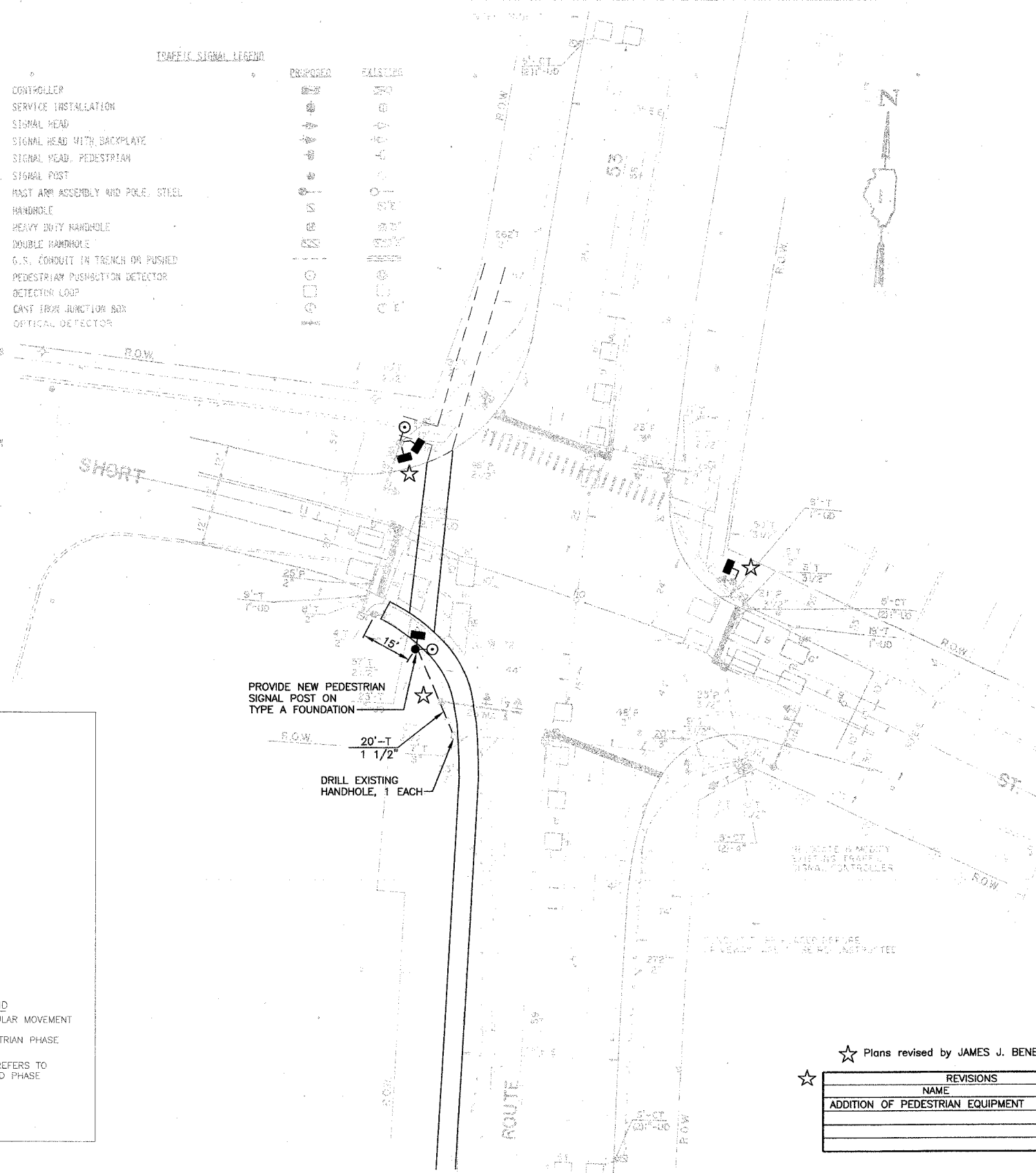
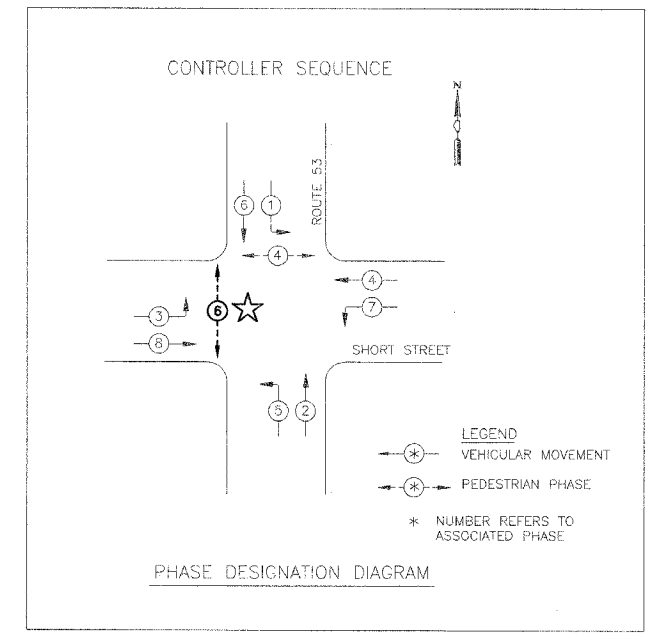


PROPOSED PRIORITY LANE	
PRIORITY LANE	
INTERVAL	1 2
PHASE	1 2

- NOTES:
1. TERMINATION OF PHASES 1-4 OR 5-7 SHALL BE WITH A YELLOW ARROW DISPLAYED TOGETHER WITH A CIRCULAR RED.
 2. TERMINATION OF PHASES 1, 2, 5, OR 7 ALONE BY PHASES 1-6, 3-6, 2-6, OR 4-7 SHALL BE WITH A YELLOW ARROW DISPLAYED TOGETHER WITH A CIRCULAR GREEN WITH FOLLOWED BY A PRIORITY LANE INTERVAL WHICH DISPLAYS THE CIRCULAR GREEN.
 3. TERMINATION OF PHASES 1-6, 3-6, 2-6 OR 4-7 SHALL BE WITH A CIRCULAR YELLOW DISPLAY WHEN FOLLOWED BY A PRIORITY LANE INTERVAL WHICH DISPLAYS A CIRCULAR RED.
 4. TERMINATION OF PHASES 2-6 OR 4-6 SHALL BE WITH A CIRCULAR YELLOW WHEN FOLLOWED BY A PRIORITY LANE INTERVAL WHICH DISPLAYS A CIRCULAR RED. WHEN PHASES 2-6 OR 4-6 CIRCULAR GREEN IS TO BE INDICATED IN THE PRIORITY LANE INTERVAL AT SIGNAL DESIGN WORK.
 5. TERMINATION OF ALL PRIORITY INTERVALS SHALL INCLUDE A FULL FLASHING "DON'T WALK" CIRCULAR GREEN.
 6. TERMINATION OF ALL PRIORITY INTERVALS SHALL BE WITH A CIRCULAR YELLOW EXCEPT WHEN THE GREEN DISPLAYED WITHIN THE PRIORITY INTERVAL IS TO REPAIR WHICH WHEN THE SIGNAL SEQUENCE OF OPERATIONS BEGINS AT THE INTERSECTION.
 7. IF ALL THE CLEARANCE IS USED IN THE NORMAL SEQUENCE OF OPERATIONS, IT MUST BE DISPLAYED WITHIN THE YELLOW CLEARANCE INTERVAL WITHIN THE PRIORITY SEQUENCE.

TRAFFIC SIGNAL LEGEND

REQUIRED	EXISTING
CONTROLLER	
SERVICE INSTALLATION	
SIGNAL HEAD	
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD, PEDESTRIAN	
SIGNAL POST	
MAST ARM ASSEMBLY AND POLE, STEEL	
HANDHOLE	
HEAVY DUTY HANDHOLE	
DOUBLE HANDHOLE	
G.S. CONDUIT IN TRENCH OR PUSHED	
PEDESTRIAN PUSHBUTTON DETECTOR	
DETECTION LOOP	
CAST IRON JUNCTION BOX	
OPTICAL DETECTOR	



PROVIDE NEW PEDESTRIAN SIGNAL POST ON TYPE A FOUNDATION

15'

20'-T
1 1/2"

DRILL EXISTING HANDHOLE, 1 EACH

- GENERAL NOTES
1. ALL DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS REQUIRED AND SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE LOOP DETECTOR AMPLIFIER MANUFACTURERS RECOMMENDATIONS. THE DETECTOR LOOP SHALL BE MEASURED FOR THAT PORTION OF SAW CUT BEYOND THE SPLICE AS SPECIFIED IN SECTION T 421.04 OF THE SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
 2. LEAD-IN WIRING SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURERS RECOMMENDATIONS. THE 2/0 SHIELDED CABLE TO BE USED FOR THE DETECTOR LOOP LEAD-IN SHALL BE MEASURED FROM THE SPLICE TO THE CONTROLLER AS SPECIFIED IN SECTION T 421.04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. FLAT CABLE WILL NOT BE PERMITTED.
 3. ALL SIGNAL AND DETECTOR ELECTRIC CABLE THAT IS FURNISHED BY THE CONTRACTOR SHALL BE PROTECTED BY POLYETHYLENE INSULATION WITH A POLYVINYLCHLORIDE JACKET. SERVICE CABLE MAY HAVE AN XLP JACKET.
 4. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS, INSPECTION OPENINGS AND CONCRETE JUNCTION BOXES SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
 5. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES CALL 800-352-3434. TOLL FREE NUMBER 800-892-0123 AND STATE MAINTAINED TRAFFIC SIGNAL 312-378-2800.
 6. ALL SIGNAL POST AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHOULD BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF THE SHOULDER.
 7. THE RESIDENT ENGINEER SHALL MARK THE LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE I.D.O.T. AND TRAFFIC SIGNAL ENGINEER AT 800-892-0123 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS.

NOTE: THIS PLAN IS FOR THE SOLE PURPOSE OF INSTALLING PEDESTRIAN SIGNALS AND OTHER MODIFICATIONS AS INDICATED BY A STAR. ALL OTHER WORK SHOWN IS FOR INFORMATION ONLY.

★ Plans revised by JAMES J. BENES & ASSOCIATES

REVISIONS	
NAME	DATE
ADDITION OF PEDESTRIAN EQUIPMENT	04/25/05

ILLINOIS DIVISION OF HIGHWAYS

TRAFFIC SIGNAL INSTALLATION

ROUTE 53 AND SHORT ST.

ILL. ROUTE 53