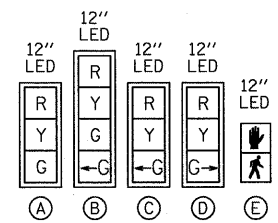


SIGNAL PLAN LEGEND

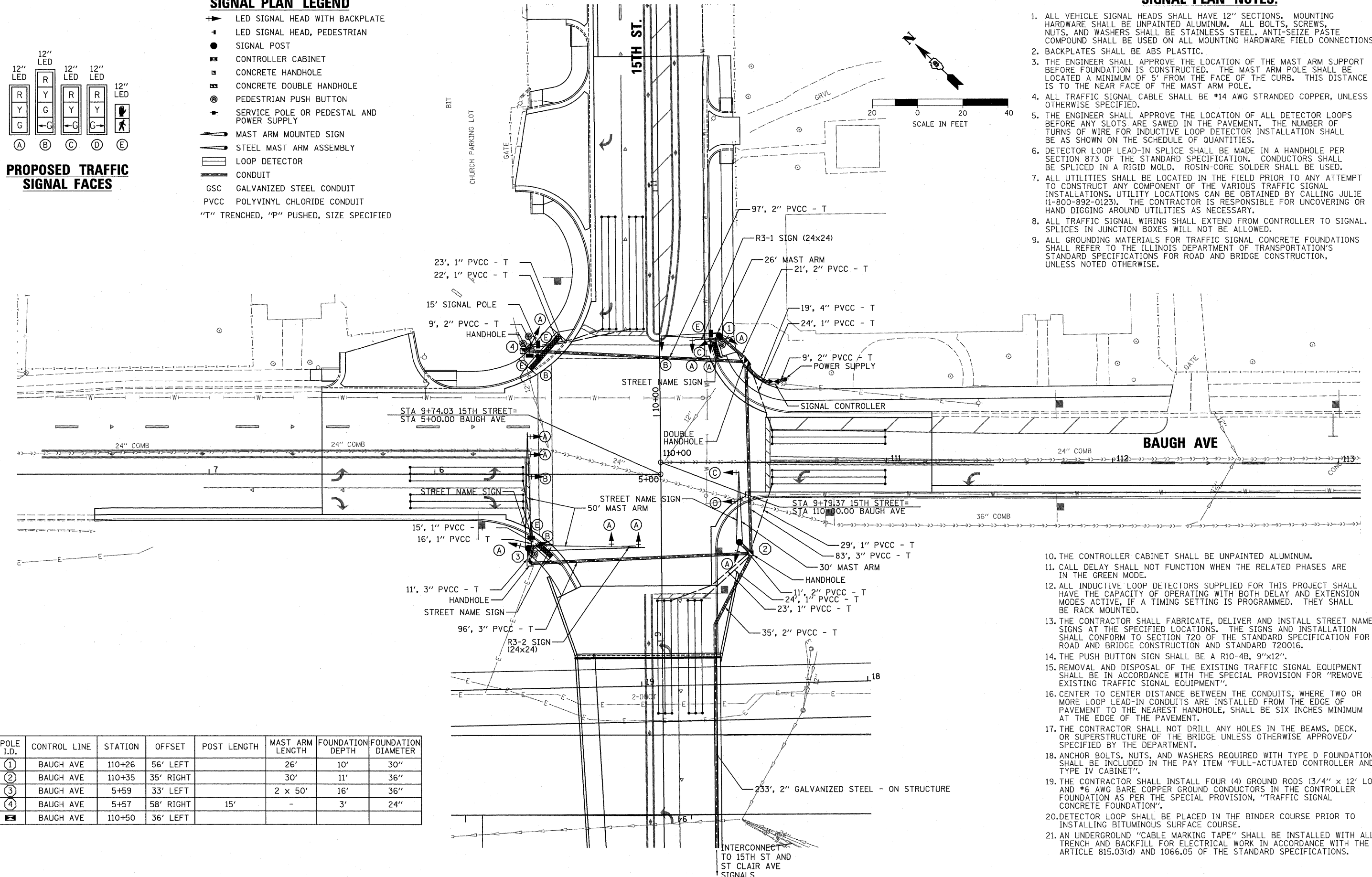
- ▲ LED SIGNAL HEAD WITH BACKPLATE
- ▲ LED SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- CONTROLLER CABINET
- CONCRETE HANDHOLE
- ⊞ CONCRETE DOUBLE HANDHOLE
- ⊙ PEDESTRIAN PUSH BUTTON
- ⊕ SERVICE POLE OR PEDESTAL AND POWER SUPPLY
- MAST ARM MOUNTED SIGN
- STEEL MAST ARM ASSEMBLY
- LOOP DETECTOR
- CONDUIT
- GSC GALVANIZED STEEL CONDUIT
- PVCC POLYVINYL CHLORIDE CONDUIT
- "T" TRENCHED, "P" PUSHED, SIZE SPECIFIED



PROPOSED TRAFFIC SIGNAL FACES

SIGNAL PLAN NOTES:

1. ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE ABS PLASTIC.
3. THE ENGINEER SHALL APPROVE THE LOCATION OF THE MAST ARM SUPPORT BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT. THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF 5' FROM THE FACE OF THE CURB. THIS DISTANCE IS TO THE NEAR FACE OF THE MAST ARM POLE.
4. ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER, UNLESS OTHERWISE SPECIFIED.
5. THE ENGINEER SHALL APPROVE THE LOCATION OF ALL DETECTOR LOOPS BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT. THE NUMBER OF TURNS OF WIRE FOR INDUCTIVE LOOP DETECTOR INSTALLATION SHALL BE AS SHOWN ON THE SCHEDULE OF QUANTITIES.
6. DETECTOR LOOP LEAD-IN SPLICE SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATION. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.
7. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATIONS. UTILITY LOCATIONS CAN BE OBTAINED BY CALLING JULIE (1-800-892-0123). THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY.
8. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
9. ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, UNLESS NOTED OTHERWISE.



| POLE I.D. | CONTROL LINE | STATION | OFFSET | POST LENGTH | MAST ARM LENGTH | FOUNDATION DEPTH | FOUNDATION DIAMETER |
|-----------|--------------|---------|-----------|-------------|-----------------|------------------|---------------------|
| 1 | BAUGH AVE | 110+26 | 56' LEFT | | 26' | 10' | 30" |
| 2 | BAUGH AVE | 110+35 | 35' RIGHT | | 30' | 11' | 36" |
| 3 | BAUGH AVE | 5+59 | 33' LEFT | | 2 x 50' | 16' | 36" |
| 4 | BAUGH AVE | 5+57 | 58' RIGHT | 15' | | 3' | 24" |
| 5 | BAUGH AVE | 110+50 | 36' LEFT | | | | |

10. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM.
11. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
12. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIMING SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.
13. THE CONTRACTOR SHALL FABRICATE, DELIVER AND INSTALL STREET NAME SIGNS AT THE SPECIFIED LOCATIONS. THE SIGNS AND INSTALLATION SHALL CONFORM TO SECTION 720 OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD 720016.
14. THE PUSH BUTTON SIGN SHALL BE A R10-4B, 9"x12".
15. REMOVAL AND DISPOSAL OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
16. CENTER TO CENTER DISTANCE BETWEEN THE CONDUITS, WHERE TWO OR MORE LOOP LEAD-IN CONDUITS ARE INSTALLED FROM THE EDGE OF PAVEMENT TO THE NEAREST HANDHOLE, SHALL BE SIX INCHES MINIMUM AT THE EDGE OF THE PAVEMENT.
17. THE CONTRACTOR SHALL NOT DRILL ANY HOLES IN THE BEAMS, DECK, OR SUPERSTRUCTURE OF THE BRIDGE UNLESS OTHERWISE APPROVED/SPECIFIED BY THE DEPARTMENT.
18. ANCHOR BOLTS, NUTS, AND WASHERS REQUIRED WITH TYPE D FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM "FULL-ACTUATED CONTROLLER AND TYPE IV CABINET".
19. THE CONTRACTOR SHALL INSTALL FOUR (4) GROUND RODS (3/4" x 12' LONG) AND #6 AWG BARE COPPER GROUND CONDUCTORS IN THE CONTROLLER FOUNDATION AS PER THE SPECIAL PROVISION, "TRAFFIC SIGNAL CONCRETE FOUNDATION".
20. DETECTOR LOOP SHALL BE PLACED IN THE BINDER COURSE PRIOR TO INSTALLING BITUMINOUS SURFACE COURSE.
21. AN UNDERGROUND "CABLE MARKING TAPE" SHALL BE INSTALLED WITH ALL TRENCH AND BACKFILL FOR ELECTRICAL WORK IN ACCORDANCE WITH THE ARTICLE 815.03(d) AND 1066.05 OF THE STANDARD SPECIFICATIONS.