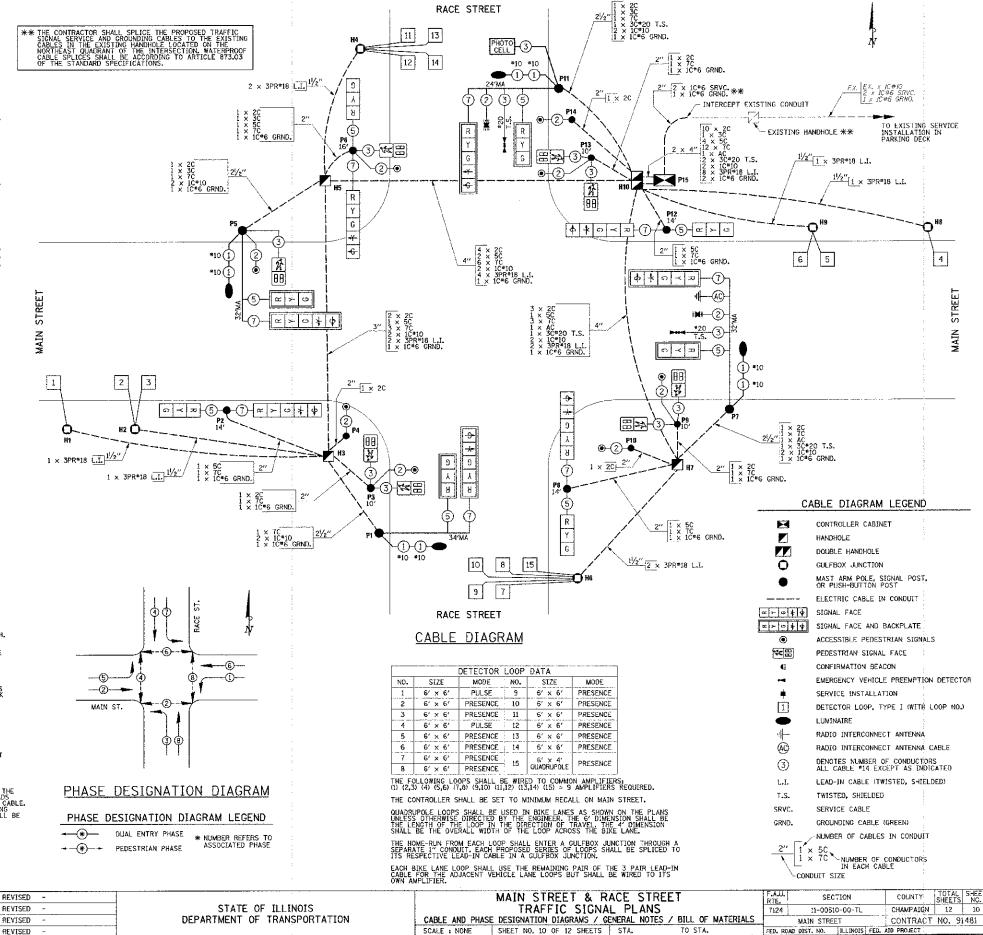
BILL OF MATERIALS UNDERGROUND CONDUIT, PVC, 1" DIA. UNDERGROUND CONDUIT, PVC, 1" DIA. UNDERGROUND CONDUIT, PVC, 2" DIA. UNDERGROUND CONDUIT, PVC, 2" DIA. UNDERGROUND CONDUIT, PVC, 2" DIA. UNDERGROUND CONDUIT, PVC, 3" DIA. UNDERGROUND CONDUIT, PVC, 4" DIA. UNDERGROUND CONDUIT, COLLABLE NONVETALLIC CONDUIT, 11/2" HANDHOLE, PORTLAND CEMENT CONCRETE DUBLE HANDHOLE, PORTLAND CEMENT CONCRETE GULFBOX JUNCTION, COMPOSITE CONCRETE ELECTRIC CABLE IN CONDUIT, SIGNAL, NO, 14 DE FULL-ACTUATED CONTROLLER AND TYPE, 1Y CABINET UNINTERPUTABLE POWER SUPPLY, STANDARD ELECTRIC CABLE IN CONDUIT, SIGNAL, NO, 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL, NO, 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL, NO, 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL, NO, 14 7C ELECTRIC CABLE IN CONDUIT, SIGNAL, NO, 14 5C ELECTRIC C EACH EACH FOOT EACH EACH FOOT FOOT EACH EACH EACH EACH TRAFFIC SIGNAL BACKPLATE DETECTOR LOOP, TYPE I LIGHT DETECTOR LIGHT DETECTOR AMPLIFIER REMOVE EXISTING HANDHOLE REMOVE EXISTING CONCRETE FOUNDATION MODIFY EXISTING SERVICE INSTALLATION RADIO INTERCONNECT SYSTEM COMPLETE, LOCAL PHOTOCELL CONTROL SYSTEM LISTING CABLE IN COMPLETE NO. 70.35. TWISTI EACH EACH EACH EACH EACH EACH EACH PHOTOCELL CONTROL SYSTEM FLECTRIC CARLE IN CONDUIT. NO. 20 3C, TWISTED, SHIELDED ACCESSIBLE PEDESTRIAN SIGNALS VIBROTACTILE FAITURE INDUCTIVE LOOP DETECTOR, RACK MOUNTED REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL LUMINAIRE SPECIAL) SEE SPECIAL PROVISIONS FOR SYSTEM GROUNDING INFORMATION. EACH EACH TRAFFIC SIGNAL GENERAL NOTES 1. THE ACTUAL LOCATIONS OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND THE TRAFFIC SIGNAL CONTROLLER WILL BE VERIFIED IN THE FISLD BY THE ENGINEER. COMBINATION MAST ARM ASSEMBLIES SHALL BE FURNISHED WITH 12-FOOT LUMINAIRE ARMS WITH A MOUNTED LUMINAIRE HEIGHT OF 35 FEET.

- 4. ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 5.12" LENSES SHALL BE USED ON ALL SIGNAL FACES, LED INDICATIONS SHALL BE USED ON ALL SIGNAL HEADS AND PEDESTRIAN SIGNAL HEADS. PEDESTRIAN SIGNAL HEAD FACES SHALL BE SYMBOLS WITH COUNTDOWN TIMERS.
- 6, ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE THE POLARA NAVIGATOR SYSTEM OR APPROVED EQUIVALENT.
- 7. THE LUMINAIRE ARM, LUMINAIRE POLE WIRING, LUMINAIRE, AND PHOTOCELL SHALL BE ERECTED WITH THE TRAFFIC SIGNAL MAST ARM POLE.
- 8. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR BEGINNING CONSTRUCTION.
- 9. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES.
- 10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT DEPTH.
- YPROPYLENE PULL ROPE SHALL BE INSTALLED IN ALL COMDUIT RUNS EXCEEDING 20 FEET. A F SEET OF ROPE SHALL BE PROVIDED AT EACH END OF A CONDUIT RUN. THE ROPE SHALL BE IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
- TERS REQUIRED TO CONNECT THE PROPOSED CONDUIT TO THE EXISTING CONDUIT SHALL BE IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
- 14. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY.
- 15. CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE CITY OF URBANA.
- 16. THE CONFIRMATION BEACON SHALL BE INCLUDED IN THE COST OF THE LIGHT DETECTOR.
- TRIC CABLE FOR THE LIGHT DETECTOR SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE LIGHT TO THE LIGHT DETECTOR AMPLIFIER, SPLICES IN THE CABLE SHALL NOT BE ALLOWED.
- EE SECTION AND FIVE SECTION SIGNAL HEADS THAT OPERATE TOGETHER IN THE SAME PHASE AT THE CATION WILL BE COMBINED ON A SINGLE SEVEN CONDUCTOR CABLE. TWO PEDESTRIAN SIGNAL HEADS SAME LOCATION OR ON THE SAME QUADRANT WILL BE COMBINED ON A SINGLE SEVEN CONDUCTOR CABLE. WILL BE MADE AT THE POLE MANDHOLE OR CONCRET HANDHOLE OR CABLE. RUNNING ESPLOYED THE POLE THAN SIGNAL HEAD OR THE POLE PROPERTIES SIGNAL HEAD. WATERPROOF CABLE SPLICES SHALL BE MO TO ARTICLE 873.03 OF THE STANDARD SPECIFICATIONS.
- 20. THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST.
- 21. DETECTOR LOOPS SHALL BE INSTALLED AFTER CONSTRUCTION OF THE HMA SURFACE COURSE.
- 22. DISTURBED AREAS AROUND PROPOSED CONCRETE FOUNDATIONS SHALL BE BACKFILLED WITH CONTROLLED LOW-STRENGTH MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONCRETE FOUNDATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



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