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#### **SCOPE**

THESE NOTES AND SPECIFICATIONS SUPPLEMENT THE STATE OF OHIO'S CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE SUPPLEMENTAL SPECIFICATIONS NOTED ON THE TITLE SHEET. THE WORK TO BE PERFORMED BY THE CONTRACTOR IN CONNECTION WITH FURNISHING LABOR, SUPPLIES, EQUIPMENT, MATERIALS, AND PERFORMING ALL OPERATIONS NECESSARY FOR THE ACCEPTABLE INSTALLATION OF THE TRAFFIC CONTROL DEVICES, IN STRICT ACCORDANCE WITH THESE PLANS, NOTES AND SPECIFICATIONS. THESE NOTES, SCHEDULES, AND DRAWINGS ARE INTENDED TO PROVIDE ALL MATERIAL AND LABOR REQUIRED TO FURNISH AND INSTALL A COMPLETE TRAFFIC CONTROL SYSTEM.

### TRAFFIC CONTROL STANDARD DRAWINGS

- A. REFERENCES TO SUPPLEMENTAL SPECIFICATIONS 857 & 957 SHALL BE CONSIDERED TO READ ITEMS 630 & 730.
- B. REFERENCES TO SUPPLEMENTAL SPECIFICATIONS 861 & 961 SHALL BE CONSIDERED TO READ ITEMS 633 & 733.
- C. REFERENCES TO SUPPLEMENTAL SPECIFICATIONS 862 & 962 SHALL BE CONSIDERED TO READ ITEMS 621 & 721.
- D. REFERENCES TO STANDARD CONSTRUCTION DRAWING HL-2 SHALL BE CONSIDERED TO READ STANDARD CONSTRUCTION DRAWING HL-10.12.
- E. TC-84.20: THE STRAIN INSULATOR SHOWN IN THE "MESSENGER WIRE WITH ACCESSORIES" DETAIL SHALL NOT BE INSTALLED.

# UNDERDRAINS FOR PULLBOXES

REFERENCE IS MADE TO STANDARD CONSTRUCTION DRAWINGS FOR DETAILS OF DRAINING PULL BOXES. UNDERDRAINS FOR PULL BOXES SHALL BE USED AS DIRECTED BY THE ENGINEER AND SHALL BE PROVIDED WHERE THE LENGTH REQUIRED FOR A SATISFACTORY OUTLET DOES NOT EXCEED APPROXIMATELY 20 FEET. AN ESTIMATED QUANTITY OF 200 FEET ITEM 603 - 4 INCH CONDUIT. TYPE E, IS INCLUDED IN THE GENERAL SUMMARY FOR THIS PURPOSE.

### **DOCUMENTATION**

THE CONTRACTOR SHALL PROVIDE AN "AS BUILT" DRAWING INDICATING ANY REVISIONS TO THE ORIGINAL OPERATION PLAN OR QUANTITIES. THE DRAWING SHALL BE SUBMITTED TO THE ENGINEER WITHIN TWO (2) WEEKS FOLLOWING THE ENERGIZING OF THE TRAFFIC SIGNAL.

## CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

### ITEM 625 - TRENCH. AS PER PLAN

IN ADDITION TO THE REQUIREMENTS FOR ITEM 625 TRENCH, THE TRENCH SHALL HAVE THE FOLLOWING FEATURES:

> 3" WIDE YELLOW PLASTIC TAPE WITH BLACK LETTERS READING "CAUTION BURIED LINE BELOW" SHALL BE BURIED ABOVE CONDUIT

THE TAPE SHALL BE LOCATED 6" "MAX" BELOW GRADE

PAYMENT FOR ITEM 625 TRENCH, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH LINEAR FOOT OF TRENCH.

#### ITEM 632 - DETECTOR LOOP, AS PER PLAN

ALL LOOP DETECTOR WIRE INSTALLATIONS SHALL BE SAWED AND EMBEDDED WITH SEALANT IN A SUBSURFACE COURSE WITH SUBSEQUENT COVERING BY THE SURFACE COURSE.

### ITEM 632 VEHICULAR SIGNAL HEAD. BY SIZE, AS PER PLAN

THIS ITEM SHALL CONSIST OF THE FURNISHING AND PLACING OF A SIGNAL HEAD. THIS ITEM SHALL CONFORM TO 632.05 AND 732.01:

EXCEPT THE ENTRANCE FITTING SHALL BE OF THE TRI-STUD DESIGN WITH SEPARATED RINGS IN ORDER TO ACHIEVE POSITIVE LOCKING.

SIGNAL HEADS SHALL BE SUPPLIED WITH GLASS LENSES.

### ITEM 632 - REMOVAL OF TRAFFIC SIGNAL INSTALLATION. AS PER PLAN

TRAFFIC SIGNAL INSTALLATIONS - INCLUDING SPAN WIRE SIGNS, SIGNAL HEADS, CABLE, MESSENGER WIRE, STRAIN POLES, CABINET, CONTROLLER, STRAIN POLE FOUNDATIONS, ETC. - SHALL BE REMOVED IN ACCORDANCE WITH ITEM 632.25. ALL DESIGNATED ITEMS SHALL BE STORED ON THE PROJECT FOR SALVAGE BY THE DISTRICT. THE CONTRACTOR SHALL CALL ODOT DISTRICT 12, TOM ROSS AT (216) 581-2333 x297 TO ARRANGE THE PICK UP OF THE TRAFFIC SIGNAL ITEMS. IN THE EVENT THE ITEMS STORED ON THE PROJECT ARE NOT REMOVED, THE CONTRACTOR SHALL, WHEN DIRECTED BY THE ENGINEER IN WRITING, REMOVE AND DISPOSE OF THE ITEMS AT NO ADDITIONAL COST TO THE PROJECT. SEE PLAN SHEETS FOR ITEMS TO BE REMOVED.

### ITEM 632 - PHONE DROP

THIS ITEM OF WORK SHALL CONSIST OF SUPPLYING A PHONE DROP TO THE CONTROLLER AT THE INTERSECTION ON S.R. 44 @ AUBURN RD. AS SHOWN IN THE PLANS. IT SHALL INCLUDE SHIELDED 2/C CABLE. LIGHTNING ARRESTOR, PULL BOXES, TRENCH, CONDUIT, ANY FEES, AND CABINET TERMINALS TO COMPLETELY WIRE THE TELEPHONE MODEM SPÉCIFIED IN THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY TO HAVE THE TELEPHONE SERVICE DROP INSTALLED AT THE LOCATION SHOWN IN THE PLANS.

PAYMENT FOR ITEM 632 - PHONE DROP WILL BE AT THE CONTRACT UNIT PRICE FOR EACH PHONE DROP IN PLACE, COMPLETELY INSTALLED IN THE LOCAL CONTROLLER SHOWN IN THE PLANS, WIRED, TESTED, AND ACCEPTED.