

GENERAL NOTES

CALC. BY DATE 7/11/90
CHKD. BY DATE 8/11/90

LAK-90-3.28

OHIO
F.H.W.A. REGION 5

3
38

ROADWAY

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. 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 659 - SEEDING AND MULCHING

THE FOLLOWING QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS SHOWN ON THE TYPICAL SECTIONS AND DIRECTED BY THE ENGINEER.

ITEM 659 SEEDING AND MULCHING	2,000 SQ YD
ITEM 659 COMMERCIAL FERTILIZER	.18 TON
ITEM 659 WATER	3 M GAL

CURBS AND CONCRETE MEDIAN ON APPROACH SLABS

TYPE 2A CURBS, AND CONCRETE MEDIAN, SHALL BE PROVIDED ON ALL APPROACH SLABS, AS SHOWN ON THE PLANS. THE COST FOR ALL MATERIALS, LABOR, AND INCIDENTALS REQUIRED TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 611 - REINFORCED CONCRETE APPROACH SLAB (T=15").

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER, FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

ITEM 207 TEMPORARY SEEDING AND MULCHING	400 SQ YD
ITEM 207 STRAW OR HAY BALES	16 EA
ITEM 659 COMMERCIAL FERTILIZER	0.02 TON
ITEM 659 WATER	1 M GAL

CONNECTIONS BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A "BEAM RAIL SPLICE" AS SHOWN ON STANDARD DRAWING GR-1. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE GUARDRAIL RUNS.

JOINT SEALERS

ALL REFERENCES TO 705.01 OR 705.02 APPEARING ON STANDARD DRAWINGS OR ON THE PLANS SHALL BE CONSIDERED TO READ 705.04.

ITEM 310 - SUBBASE, AS PER PLAN

MATERIALS FURNISHED FOR THIS ITEM SHALL EXCLUDE ALL SLAB EXCEPT GRANULATED SLAG OR CRUSHED AIR-COOLED BLAST FURNACE SLAG.

EROSION CONTROL

ITEM 601 HAS BEEN PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE THIS ITEM. THE ENGINEER SHALL CHECK AND NON-PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES FOR THIS ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

CONDUIT END TREATMENT

IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE RIPRAP, ROCK CHANNEL PROTECTION, SODDING, ETC.

407 TACK COAT

THE RATE OF APPLICATION OF ITEM 407 - TACK COAT SHALL BE SUBJECT TO ADJUSTMENT, AS DIRECTED BY THE ENGINEER.

PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.1 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 400 SQ FT OF FLOOR SPACE. PAYMENT SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 619 - FIELD OFFICE.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

EAST OHIO GAS COMPANY
1201 EAST 55TH STREET
CLEVELAND, OHIO 44103
(216) 432-6832

CLEVELAND ELECTRIC AND ILLUMINATING COMPANY
P. O. BOX 5000
CLEVELAND, OHIO 44101
(216) 479-1651

OHIO BELL TELEPHONE COMPANY
34 SOUTH ST. CLAIR
PAINSVILLE, OHIO 44077
(216) 352-5230

LOCATION OF GUARDRAIL

THE LOCATIONS OF GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

LIGHTING

HIGHWAY LIGHTING

THESE PLANS CONTAIN THE INFORMATION NEEDED TO PROVIDE HIGHWAY LIGHTING. HOWEVER, THE SYSTEM IS NOT BEING INSTALLED WITH THIS PROJECT.

THIS PROJECT INCLUDES ONLY THOSE ITEMS SUCH AS CONDUITS, JUNCTION BOXES, ANCHOR BOLTS, AND GROUNDING SYSTEM WHICH MUST BE BUILT INTO THE BRIDGE AT THIS TIME TO ALLOW FOR THE INSTALLATION OF THE HIGHWAY LIGHTING BY A FUTURE PROJECT.

ITEM 625 - LUMINAIRES

STYLE B LUMINAIRES SHALL BE SINGLE RATED 120 VOLT, 250 WATT WITH INTEGRAL REGULATOR BALLASTS FOR USE WITH HIGH-PRESSURE SODIUM LAMPS AND SHALL BE GENERAL ELECTRIC M-400, CROUSE-HINDS OMM, AMERICAN 25/26, OR EQUAL APPROVED BY THE ENGINEER. ALL LUMINAIRES SHALL CONFORM TO SECTION 713.11 OF THE SPECIFICATIONS.

HIGH-PRESSURE SODIUM LAMPS

HIGH-PRESSURE SODIUM LAMPS SHALL BE GENERAL ELECTRIC "LUCALOX", SYLVANIA "LUMALUX", WESTINGHOUSE "CERAMALUX", OR EQUAL APPROVED BY THE ENGINEER AND SHALL CONFORM TO SECTION 713.14 OF THE SPECIFICATIONS.

UNDERDRAINS FOR PULL BOXES

REFERENCE IS MADE TO STANDARD 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 " 80 LIN. FT. OF ITEM 603, 4" CONDUIT, TYPE E" IS INCLUDED IN THE LIGHTING GENERAL SUMMARY FOR THIS PURPOSE.

CONDUIT ON STRUCTURES

EXPANSION FITTINGS FOR CONDUIT ON STRUCTURES SHALL BE OZ TYPE AX, SPRING CITY TYPE AF, APPLETON TYPE XJ-4, OR EQUAL APPROVED BY THE ENGINEER. EACH EXPANSION FITTING SHALL HAVE A COPPER EXTERNAL BONDING JUMPER.

TRAFFIC CONTROL

ITEM 632 - LOOP DETECTOR WIRE, TYPE E, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 632.22, LOOP DETECTORS SHALL BE ADJUSTED AND TUNED AS PER ITEM 632.09. ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, AND HARDWARE NECESSARY TO PERFORM THE REQUIRED WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE PER LINEAR FOOT OF ITEM 632 - LOOP DETECTOR WIRE, TYPE E, AS PER PLAN.