

EROSION CONTROL

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDING AREAS:

ITEM 870 SOIL ANALYSIS TEST	2 EACH
ITEM 870 PLACING TOPSOIL	204 CU. YD.
ITEM 870 COMMERCIAL FERTILIZER	0.25 TON
ITEM 870 AGRICULTURAL LIME	0.76 TON
ITEM 870 WATER	5 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING, ARE BASED ON THESE LIMITS.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE PLACED BY THE CONTRACTOR WITH THE ENGINEER'S CONCURRENCE FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

877, TEMPORARY SEEDING AND MULCHING	184 SQ. YD.
877, TEMPORARY PERIMETER FILTER FABRIC FENCE	1500 LIN. FT.
877, TEMPORARY INLET PROTECTION FILTER FABRIC FENCE	413 LIN. FT.
877, SEDIMENT REMOVAL	25 CU. YD.
870, REPAIR SEEDING AND MULCHING	92 SQ. YD.

PAVEMENT

ITEM 407 - TACK COAT AND ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. FOR ESTIMATING PURPOSES ONLY, THE PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF:

407, TACK COAT	0.1 GAL. PER SQ. YARD
407, TACK COAT FOR INTERMEDIATE COURSE	0.075 GAL. PER SQ. YARD

ITEM 254 - PAVEMENT PLANING, BITUMINOUS, AS PER PLAN

IN ACCORDANCE WITH THE SPECIFICATIONS IN AREAS DESIGNATED ON THE PLANS OR ESTABLISHED BY THE ENGINEER. THE CONTRACTOR SHALL PLANE AT A DEPTH THAT ALLOWS FOR THE PLACEMENT OF 1/4" SURFACE COURSE AND 1 3/4" INTERMEDIATE COURSE WHILE MEETING THE ELEVATIONS SHOWN IN THE SUPERELEVATION TABLE ON SHEET 4.

ITEM 202 - APPROACH SLAB REMOVED, AS PER PLAN

THIS ITEM SHALL INCLUDE THE REMOVAL SUBGRADE OF THE EXISTING CONCRETE APPROACH SLAB, EXISTING GRADE BEAMS FOUND WITHIN THE SLAB LIMITS, AND THE VARIABLE DEPTH ASPHALT OVERLAY IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ALL REMOVAL WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 202 APPROACH SLAB REMOVED, AS PER PLAN, AND NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR.

ITEM 611 - REINFORCED CONCRETE APPROACH SLAB (T=15"), AS PER PLAN

THIS ITEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD CONSTRUCTION AND MATERIAL SPECIFICATIONS AND AS SPECIFIED HEREIN.

PARAPETS, SIDEWALKS, AND CURBING ARE INTEGRAL WITH THE APPROACH SLABS.

ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO PERFORM WORK OUTLINED ABOVE AND AS SHOWN IN THE PLANS SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 611 REINFORCED CONCRETE APPROACH SLAB (T=15"), AS PER PLAN.

CONCRETE FOR THIS ITEM SHALL BE CLASS S, SS 899 OR SS 844, HIGH PERFORMANCE CONCRETE, MIX 3 OR 4.

ROADWAY

ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAIL-BOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4" BY 4" SQUARE OR 4 1/2" DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2" I.D., AND CONFORM TO AASHTO M 181.

HARDWARE (PLATES, SCREWS, BOLTS, ETC.) SHALL BE COMMERCIALGRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.12. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAIL-BOX SUPPORT, SINGLE.

CONTACT THE FOLLOWING FOR COORDINATION:
PAINESVILLE MAIN OFFICE
215 E. JACKSON ST
PAINESVILLE, OH 44077 (440) 357-6081

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE ABOVE NOTED WORK:

SPECIAL, MAILBOX SUPPORT 10 EACH

MEDIAN AND/OR CURBING ON APPROACH SLABS

THE SHAPE OF THE MEDIAN AND/OR CURBING ON APPROACH SLABS SHALL BE TRANSITIONED, FROM THE STANDARD SECTION ON THE APPROACHES TO THE SECTION USED ON THE BRIDGE, WITHIN THE LIMITS OF THE APPROACH SLAB.

ITEM SPECIAL - ASBESTOS ABATEMENT

AN ASBESTOS SURVEY OF THE US-20 BRIDGE OVER FP&E RAILROAD IN PAINESVILLE TOWNSHIP WAS COMPLETED IN JULY OF 2001 BY A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST. THE SURVEY IDENTIFIED THE ASBESTOS CONTAINING MATERIALS AT THE LOCATION LISTED IN THE CHART BELOW.

BRIDGE
LAK-20-18.07

LOCATION
NORTH SIDE & SOUTH SIDE

ASBESTOS CONTAINING MATERIALS
12-INCH PIPE AND 5-INCH PIPE (RESPECTFULLY)
TOTAL LENGTH 166 FT

THE REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIAL DISTURBED DURING THE REPLACEMENT OF THE BRIDGE MUST COMPLY WITH THE OHIO ADMINISTRATIVE CODE, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, AND THE NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS (NESHAP) STANDARDS FOR ASBESTOS.

A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM WITH SECTIONS I-VII AND XVI COMPLETED IS INCLUDED WITH THE BID PACKAGE. A COPY OF THIS FORM SIGNED BY THE BRIDGE OWNER AND WILL BE PROVIDED TO THE SUCCESSFUL BIDDER. THE CONTRACTOR WILL COMPLETE SECTIONS VIII-XIII OF THE SIGNED FORM AND SUBMIT THE COMPLETED FORM TO THE LOCAL AIR AUTHORITY AT LEAST TEN (10) DAYS PRIOR TO DEMOLITION OF THE BRIDGE. THE CONTRACTOR WILL PROVIDE A COPY OF THE COMPLETED FORM TO THE ENGINEER. THE LOCAL AIR AUTHORITY IS:

ATTN. NANCY MELI
LAKE COUNTY HEALTH DISTRICT
AIR POLLUTION CONTROL
33 MILL STREET
PAINESVILLE, OHIO 44060
(440) 918-2543

A COPY OF THE OHIO DEPARTMENT OF HEALTH NOTIFICATION FORM IS ALSO INCLUDED WITH THE BID PACKAGE. A COPY OF THIS FORM MUST BE COMPLETED AND SUBMITTED TO THE OHIO DEPARTMENT OF HEALTH AT LEAST TEN DAYS (10) PRIOR TO THE DEMOLITION OF THE BRIDGE. THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED FORM TO THE ENGINEER. THE ADDRESS IS:

OHIO DEPARTMENT OF HEALTH
ASBESTOS PROGRAM
246 NORTH HIGH STREET
P.O. BOX 118
COLUMBUS, OHIO 43216-0118
(614) 466-0061

THE CONTRACTOR SHALL PROVIDE AN INDIVIDUAL TRAINED IN THE PROVISIONS OF NESHAP THAT WILL BE ON-SITE DURING REMOVAL OF THE ASBESTOS CONTAINING MATERIALS. IN ADDITION TO THE ASBESTOS CONTAINING MATERIAL IDENTIFIED IN THE ASBESTOS SURVEY REPORT, ANY ADDITIONAL NON-VISIBLE ASBESTOS ENCOUNTERED WITHIN THE PROJECT WORK LIMITS SHALL ALSO BE MONITORED BY THIS INDIVIDUAL.

THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE, SUBMIT, AND COMPLY WITH THE OEPA NOTIFICATION FORM AND TO REMOVE, TRANSPORT, AND DISPOSE OF THE MATERIALS CONTAINING ASBESTOS FROM WITHIN THE PROJECT WORK LIMITS. PAYMENT OF THIS WORK SHALL BE INCLUDED IN THE BID LUMP SUM PRICE ITEM SPECIAL - ASBESTOS ABATEMENT.

ITEM SPECIAL - ASBESTOS ABATEMENT LUMP SUM

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GENERAL NOTES

LAK-20-18.07

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