

**PROFILE AND ALIGNMENT**

THE PROPOSED PAVEMENT RESURFACING/REPLACEMENT SHALL FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT.

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

**Adelphia**

14300 South Industrial Parkway  
Maple Heights, Ohio 44137  
Attn: Gary Naumann  
Phone: (216) 663-4003  
Fax: (216) 581-3262

**Ameritech**

13630 Lorain Ave. - 4th Floor  
Cleveland, Ohio 44111  
Attn: Dick Taus  
Phone: (216) 476-6134

**ATT Broad Band**

7820 Division Drive  
Mentor, Ohio 44060  
Attn: Jim Battaglia  
Phone: (440) 974-3401, Ext. 140

**Consumers Ohio Water**

Lake Erie Div.  
8644 Station St.,  
Mentor, Ohio 44060-4316  
Attn: Mark Mickshaw  
Phone: (440) 255-3421  
Fax: (440) 255-6522

**East Ohio Gas Company**

1201 East 55th Street  
Cleveland, Ohio 44103  
Attn: Sam Mercurio  
Phone: (216) 736-6755  
Fax: (216) 736-6780

**The Illuminating Co.**

6896 Miller Road  
Brecksville, Ohio 44141  
Attn: Frank Dibbs  
Phone: (440) 546-8748  
Fax: (440) 546-8775

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

**EXISTING TYPICAL SECTIONS**

EXISTING TYPICAL SECTIONS HAVE BEEN TAKEN FROM THE RECORDS AND ARE BELIEVED TO REPRESENT THE EXISTING PAVEMENT CONDITIONS, BUT THE STATE OF OHIO WILL NOT GUARANTEE THE ACCURACY OF THE SAME.

**CONTINGENCY QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK 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 FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**CONVERSION OF STANDARD CONSTRUCTION DRAWINGS**

THE METRIC STANDARD DRAWINGS REFERENCED IN THIS PLAN SHALL BE CONVERTED TO ENGLISH UNITS USING THE SI (METRIC) TO ENGLISH CONVERSION FACTORS PROVIDED IN SECTION 109.011 OF THE 1997 CONSTRUCTION AND MATERIALS SPECIFICATIONS. THE APPENDIX OF ASTM E 380 SHALL BE UTILIZED FOR ANY ADDITIONAL CONVERSION FACTORS REQUIRED. CONVERSIONS SHALL BE APPROPRIATELY PRECISE AND SHALL REFLECT STANDARD INDUSTRY ENGLISH VALUES WHERE SUITABLE.

**ITEM 203-LINEAR GRADING**

THIS ITEM OF WORK SHALL CONSIST OF GRADING ALONG THE OUTSIDE EDGE OF THE PAVED SHOULDER, AS DETAILED ON THE TYPICAL SECTIONS, TO ENSURE POSITIVE DRAINAGE.

ALL COLLECTED DEBRIS SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED IN SECTION 203.05 OF THE CMS.

THIS ITEM SHALL BE MEASURED IN STATIONS PER EACH SIDE OF THE ROADWAY THAT THIS WORK IS PERFORMED.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT BID STATION PRICE FOR ITEM 203-LINEAR GRADING AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO PERFORM THIS WORK.

**PARTIAL DEPTH PAVEMENT REPAIRS**

THIS ITEM OF WORK IS FOR USE AS DIRECTED BY THE ENGINEER. PARTIAL DEPTH REPAIRS SHALL BE MADE TO A MAXIMUM DEPTH OF 3". ALL LABOR AND MATERIALS NECESSARY TO PERFORM THIS WORK ACCORDING TO THE CMS SHALL BE INCLUDED FOR PAYMENT UNDER:

ITEM 251 - PARTIAL DEPTH (3" MAX) PAVEMENT REPAIR . . . 1000 SQ. YD.

**ITEM 446-ASPHALT SURFACE COURSE, TYPE 1, PG64-28, AS PER PLAN**

ALL APPLICABLE SECTIONS OF THE CMS AND SUPPLEMENTAL SPECIFICATIONS SHALL APPLY TO THIS ITEM EXCEPT THAT THE COARSE AGGREGATE SHALL BE LIMITED TO AIR COOLED BLAST FURNACE SLAG OR LIMESTONE.

**ITEM 822-HOT IN PLACE RECYCLING, INTERMEDIATE COURSE, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF SUPPLEMENTAL SPECIFICATION 822, THE FOLLOWING SHALL APPLY:

BEFORE THE START OF WORK, THE CONTRACTOR SHALL FIELD LOCATE AND RECORD ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS. THIS RECORD SHALL BE USED ALONG WITH ANY PAVEMENT DETAILS SHOWN IN THE PLANS TO LOCATE AND PLACE THE TEMPORARY AND PROPOSED PAVEMENT MARKINGS.

ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 822, HOT IN PLACE RECYCLING, INTERMEDIATE COURSE, AS PER PLAN.

**PROTECTION OF RIGHT-OF-WAY LANDSCAPING**

THE CONTRACTOR SHALL CONSTRICT ALL OF HIS/HER ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT. SHOULD THE CONTRACTOR WISH TO USE ANY AREA OUTSIDE THESE LIMITS, A REQUEST IN WRITING MUST BE SUBMITTED TO THE PROJECT ENGINEER. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA THAT THE CONTRACTOR PLANS TO USE AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. THE ENGINEER SHALL APPROVE THE REQUEST IN WRITING BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA. PRIOR TO BEGINNING WORK, THE CONTRACTOR, SUPERINTENDENT OR HIS REPRESENTATIVE, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY SHALL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE. ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS DIRECTED BY THE PROJECT ENGINEER AT NO COST TO THE STATE OF OHIO.

**ITEM 870 - SEEDING AND MULCHING**

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

870, SEEDING AND MULCHING	1,500 SQ. YD.
870, AGRICULTURAL LIME	0.50 TON
870, COMMERCIAL FERTILIZER	0.50 TON
870, SOIL ANALYSIS TEST	2 EACH
870, WATER	2 MGAL
870, TOPSOIL	20 C.Y.
670, DITCH EROSION PROTECTION	50 S.Y.

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.

THE CONTRACTOR IS REQUIRED TO ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE ENGINEER.

**REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 604 ITEMS.

**ITEM SPECIAL- MISCELLANEOUS METAL**

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIAL SHALL MEET ITEM 604 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

SPECIAL, MISCELLANEOUS METAL 250 POUNDS

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE EXPENSE OF THE CONTRACTOR.

**TYPE 4 GUARDRAIL**

THE PAY ITEMS PROVIDED WITH THIS NOTE ARE FOR THE REMOVAL AND REPLACEMENT OF A RUN OF TYPE 4 GUARDRAIL LOCATED WITHIN THE PROJECT LIMITS. ALL WORK SHALL BE AS DIRECTED BY THE ENGINEER.

202, GUARDRAIL REMOVED . . . . .	237.5 LIN FT
606, GUARDRAIL, TYPE 5 . . . . .	187.5 LIN FT
606, ANCHOR ASSEMBLY, TYPE A . . . . .	2 EACH

CALCULATED  
JEL  
CHECKED  
XXX

GENERAL NOTES

LAK-615-0.22