

**SCOPE OF SERVICES**

THE WORK WITHIN THE LIMITS OF THIS IMPROVEMENT INCLUDE THE CONSTRUCTION OF A NEW BIKEWAY AND THE RESURFACING OF THE ROADWAY. BIKEWAY CONSTRUCTION CONSISTS OF SMOOTH PAVED SHOULDERS OR WIDE CURB LANES ALONG BOTH SIDES OF THE ROADWAY. THE RESURFACING PORTION INCLUDES CONSTRUCTION OF BUTT JOINTS; MINOR REPAIR AND/OR REPLACEMENT OF ASPHALT CONCRETE PAVEMENT, COLD GRINDING (PLANING) OF EXISTING ASPHALT CONCRETE PAVEMENT, AND INSTALLATION OF ASPHALT CONCRETE OVERLAYS. OTHER IMPROVEMENTS INCLUDE REPLACEMENT OF CURBS; ADJUSTMENT OF EXISTING MANHOLES, INLETS, BASINS AND MONUMENT BOX CASTINGS TO GRADE; REMOVAL AND DISPOSAL OF CURBS, CATCH BASINS AND APPURTENANCES; INSTALLATION AND/OR REPLACEMENT OF GUARDRAIL, CURBS, CATCH BASINS, INLETS, AND DRIVE CULVERTS; INSTALLATION OF TRAFFIC CONTROL ITEMS; AND OTHER RELATED ITEMS AS SHOWN ON THE PLANS AND AS STIPULATED IN THE NOTES "AS DIRECTED BY THE ENGINEER".

**ADJACENT PROJECT COOPERATION**

PROJECT NO. LAK-REEVES ROAD, A ROADWAY RECONSTRUCTION PROJECT ALONG REEVES ROAD FROM SR 283 TO HURRICANE DRIVE, IS EXPECTED TO BE UNDER CONSTRUCTION DURING THE SAME PERIOD AS LAK-283-3.83. THE REEVES ROAD PROJECT INCLUDES REALIGNMENT OF REEVES ROAD AND WIDENING OF SR 283 AT THE REEVES ROAD INTERSECTION. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES IN THE VICINITY INCLUDING TRAFFIC CONTROL, WITH THE ADJACENT PROJECT COORDINATOR TO MINIMIZE ANY CONFLICTS.

**EXISTING TYPICAL SECTIONS**

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

**STATIONING AND LOCATIONS**

STATIONING AND LOCATIONS INDICATED ON THE PLANS ARE APPROXIMATE. ALL LOCATIONS AND ITEMS CALLED OUT BY STATION ARE SUBJECT TO ADJUSTMENT IN THE FIELD "AS DIRECTED BY ENGINEER."

**UNDERGROUND UTILITIES**

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

**UTILITIES**

THE FOLLOWING IS BELIEVED TO BE THE LIST OF UTILITY OWNERS WITHIN THE LIMITS OF CONSTRUCTION:

OHIO UTILITIES PROTECTION SERVICE  
4740 BELMONT AVENUE  
YOUNGSTOWN, OHIO 44505  
PHONE 1-800-362-2764

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY  
55 PUBLIC SQUARE  
P.O. BOX 5000  
CLEVELAND, OHIO 44101  
PHONE 216-479-3452

CONTINENTAL CABLEVISION  
7820 DIVISION DRIVE  
MENTOR, OHIO 44060  
PHONE 216-974-7000

THE EAST OHIO GAS COMPANY  
1201 EAST 55TH STREET  
CLEVELAND, OHIO 44101  
PHONE 216-736-6803

THE OHIO BELL TELEPHONE COMPANY  
1020 BOLIVAR RD., ROOM 332  
CLEVELAND, OHIO 44115  
PHONE 216-822-7136

LAKE COUNTY DEPARTMENT OF UTILITIES  
105 MAIN STREET  
PAINESVILLE, OHIO 44077  
PHONE 216-357-2645

CITY OF EASTLAKE  
35150 LAKESHORE BOULEVARD  
EASTLAKE, OHIO 44095  
PHONE 216-951-1416

**GENERAL NOTES**

**CENTERLINE OF CONSTRUCTION**

THE CENTERLINE OF CONSTRUCTION SHOWN ON THE PLANS IS A BEST FIT REPRESENTATION OF THE ROADWAY CENTERLINE BASED ON PREVIOUS ROADWAY CONSTRUCTION PLANS AND RECORDS. THE CENTERLINE OF CONSTRUCTION SLIGHTLY DEVIATES FROM THE CENTERLINE OF PAVEMENT MARKED IN THE FIELD IN SOME AREAS. THE INTENT OF THE PLANS IS TO CONSTRUCT THE INSIDE EDGE OF THE BIKEWAY WIDENING AT AN EQUAL DISTANCE FROM THE CENTER OF THE ROADWAY AS DETERMINED BY THE ENGINEER, UNLESS SHOWN OTHERWISE. TYPICAL NON-STANDARD CASES OCCUR WHERE CURBS AND ADDITIONAL LANES EXIST.

**ELEVATION DATUM**

ALL ELEVATIONS SHOWN ON THESE PLANS ARE IN FEET ABOVE THE UNITED STATES COAST AND GEODETIC SURVEY DATUM.

**WORK LIMITS**

THE LIMITS OF WORK AT THE INTERSECTIONS SHALL BE AS SHOWN ON THE PLANS, OR AS OTHERWISE DIRECTED BY THE ENGINEER.

**ALIGNMENT AND PROFILE**

THE WORK PROPOSED BY THIS PROJECT IS FOR THE RESURFACING OF THE EXISTING PAVEMENT AND PROPOSED BIKEWAY. THE ALIGNMENT OF THE EXISTING PAVEMENT WILL NOT BE CHANGED, AND THE PROFILE OF THE PROPOSED SURFACE WILL BE SIMILAR TO THAT OF THE EXISTING PAVEMENT EXCEPT THAT IT WILL BE ALTERED AN AMOUNT EQUAL TO THE THICKNESS OF THE SURFACING COURSES AND THE BITUMINOUS PLANING SPECIFIED IN THESE PLANS.

**CONTINGENCY QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY THE 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.

**ITEMS REMOVED FOR STORAGE**

ITEMS INDICATED IN THE PLANS OR LISTED IN THE GENERAL SUMMARY WHICH ARE TO BE REMOVED FOR STORAGE SHALL BE STORED WITHIN THE LIMITS OF THE RIGHT-OF-WAY FOR PICK UP BY VILLAGE OF EASTLAKE FORCES. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST TWO WORKING DAYS BEFORE ITEMS ARE AVAILABLE FOR PICK UP.

**DRIVEWAYS**

ALL PROPOSED DRIVEWAYS SHALL BE AS SHOWN IN THE TYPICAL DRIVEWAY APRON DETAIL ON SHEET 15 AND IN THE DRIVEWAY SCHEDULE ON SHEET 16. THE PROPOSED DRIVEWAYS SHALL BE GRADED AS SHOWN IN THE CROSS SECTIONS.

THE CONTRACTOR SHALL NOTIFY EFFECTED RESIDENTS AT LEAST 2 WORKING DAYS PRIOR TO DRIVE APRON REMOVAL AND REPLACEMENT.

**SAW CUTTING**

SAW CUTTING SHALL BE PERFORMED AS NOTED ON THE PLANS AND AT LOCATIONS OF ITEM - 202 CURB REMOVED, PAVEMENT REMOVED, AND PAVEMENT REPAIR.

PAYMENT FOR SAW CUTTING OPERATIONS NOTED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 202 REMOVAL ITEMS, 203 EXCAVATION ITEMS, AND 253 REPAIR ITEMS OF THE CONTRACT.

**TACK COAT**

THE RATE OF APPLICATION OF ITEM 407 - TACK COAT, SHALL BE SUBJECT TO ADJUSTMENT, AS DIRECTED BY THE ENGINEER, PER 407.05. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.1 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

**BITUMINOUS PAVEMENT REMOVAL**

COST TO REMOVE EXISTING BITUMINOUS PAVEMENT FOR CONSTRUCTION OF THE BIKEWAY OR INTERSECTION WIDENING, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 - EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION.

**ITEM 825 CRACK SEALING**

ALL EXISTING CRACKS IN ASPHALT PAVEMENT AREA SHALL BE PREPARED AS FOLLOWS PRIOR TO APPLYING THE TACK COAT:

CRACKS LESS THAN 1/2" WIDE SHALL BE CLEANED.

CRACKS GREATER THAN 1/2" WIDE SHALL BE ROUTED, CLEANED AND FILLED.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY SHEETS FOR USE AS DIRECTED BY THE ENGINEER:

ITEM	DESCRIPTION	QUANTITY
825	CRACK SEALING, TYPE 1	5,500 POUNDS
825	CRACK SEALING WITH ROUTING, TYPE 1	3,000 POUNDS

**ITEM 253 PAVEMENT REPAIR**

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF REMOVING, REPAIRING EXISTING LOCATIONS EXHIBITING EVIDENCE OF BASE FAILURE. THIS ITEM INCLUDES SAW CUTTING AND REMOVAL OF EXISTING BRICK, CONCRETE, BITUMINOUS AND/OR AGGREGATE COURSES, SHAPING AND COMPACTING THE EXPOSED MATERIAL, AND PLACING A MINIMUM OF 8 INCHES OF 301 BITUMINOUS AGGREGATE BASE. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6 INCHES. THE CUBIC YARDAGE MEASURED SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM 253 - PAVEMENT REPAIR. PRICE AND PAYMENT SHALL CONSTITUTE FULL COMPENSATION FOR REMOVAL AND DISPOSAL OF ALL MATERIALS AND FURNISHING OF ALL LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM	DESCRIPTION	QUANTITY
253	PAVEMENT REPAIR	100 CU.YD.

**SODDING**

ESTIMATED QUANTITIES OF SODDING HAVE BEEN PROVIDED IN THE PLAN SHEETS AND CARRIED OVER TO THE GENERAL SUMMARY FOR GRASS AREAS THAT ARE REGRADED OR DAMAGED DURING THE INSTALLATION OF THE BIKEWAY OR APPERTAINING DRAINAGE IMPROVEMENTS.

THE FOLLOWING QUANTITIES ARE INCLUDED IN THE GENERAL SUMMARY AND ARE TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM	DESCRIPTION	QUANTITY
659	COMMERCIAL FERTILIZER	1 TON
659	AGRICULTURAL LIMING	1 TON

**ITEMS SPECIAL WATERWORK**

ALL WATERWORK LISTED AS "ITEM SPECIAL" IN THE GENERAL SUMMARY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LAKE COUNTY REGIONAL SEWER AND DISTRICT'S "RULES AND REGULATIONS GOVERNING WATER SUPPLY IN LAKE COUNTY".

A COPY OF SAID SPECIFICATIONS IS ON FILE WITH ODOT'S BUREAU OF CONTRACT SALES IN COLUMBUS AND AT THE DISTRICT 12 OFFICE OR CAN BE OBTAINED FROM THE LAKE COUNTY SANITARY ENGINEER'S OFFICE.

DATE BY DATE 6-9-92 DATE BY DATE 6-20-92	M J N T J H	LAK-283-3.83 PLAN 81	OHIO 5	7 79
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**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	4000 SQ. YD.
ITEM	207 STRAW OR HAY BALES	600 EACH
ITEM	659 COMMERCIAL FERTILIZER	0.2 TON
ITEM	659 REPAIR SEEDING AND MULCHING	900 SQ. YD.
ITEM	659 WATER	10 M. GAL.

**DUST CONTROL**

THE CONTRACTOR SHALL FURNISH AND APPLY WATER AND CALCIUM CHLORIDE FOR DUST CONTROL PURPOSES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR DUST CONTROL PURPOSES:

ITEM 616	WATER	10 M. GALS.
ITEM 616	CALCIUM CHLORIDE	10 TONS

**REMOVAL OF TREES OR STUMPS**

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING, EXCEPT THAT THOSE TREES FOR WHICH PROTECTION AND PRESERVATION WORK IS INDICATED ELSEWHERE IN THESE PLANS SHALL NOT BE REMOVED.

THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED:

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	3	0	3

THE ABOVE ESTIMATE IS APPROXIMATE AND THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

**ITEM 606 - GUARDRAIL POST, 9 FT.**

PAYMENT FOR ITEM 606, GUARDRAIL POST, 9 FT. SHALL INCLUDE COSTS OVER AND ABOVE THE PRICE BID FOR ITEM 606, GUARDRAIL, TYPE 5 FOR UTILIZING 9 FOOT GUARDRAIL POSTS IN PLACE OF NORMAL LENGTH (6 FOOT) POSTS AT THE LOCATIONS SPECIFIED IN THE PLAN OR AS DIRECTED BY THE ENGINEER. 9 FOOT GUARDRAIL POSTS SHALL BE INSTALLED WITH A MINIMUM EMBEDMENT DEPTH OF 6'-5".

**ITEM 403 0 TO 3/4" ASPHALT CONCRETE, AC-20, AS PER PLAN**

A QUANTITY OF ITEM 403 - ASPHALT CONCRETE, AC-20, AS PER PLAN, HAS BEEN CALCULATED ON SHEET 10 AND CARRIED OVER TO THE GENERAL SUMMARY. THE PURPOSE OF THIS QUANTITY IS TO ESTABLISH THE NORMAL CROSS SLOPE OF 0.02 FT/FT AND TO REMOVE EXISTING RUTTING AND SHOING. THIS MATERIAL SHALL BE PLACED IN A SEPARATE OPERATION AND AS DIRECTED BY THE ENGINEER TO ACHIEVE THE DESIRED CROSS SECTION.