

GENERAL

UTILITIES

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

WATER:  
CITY OF CLEVELAND  
DIVISION OF WATER  
1201 LAKESIDE AVENUE  
CLEVELAND, OHIO 44114  
FRED ROBERTS  
216-664-2444 x75590  
fred.roberts@clevelandwater.com

TELEPHONE:  
AT&T  
13630 LORAIN AVENUE, ROOM 200  
CLEVELAND, OHIO 44111  
JAMES JANIS  
P: (216) 476-6142  
pj8191@att.com

NATURAL GAS:  
DOMINION ENERGY OHIO  
320 SPRINGSIDE DR., SUITE 320  
AKRON, OHIO 44333  
MICHAEL ANTONIUS  
330-664-2481  
Michael.r.antonius@dominionenergy.com

CABLE:  
CHARTER COMMUNICATIONS  
8179 DOW CIRCLE  
STRONGSVILLE, OHIO 44136  
GARY NAUMANN  
(216) 575-8016 x5033  
gary.naumann@charter.com

ELECTRIC:  
CEI FIRST ENERGY  
6896 MILLER ROAD, SUITE 101  
BRECKSVILLE, OHIO 44141  
JOHN ZASSICK  
P: (440) 546-8706  
jmzassick@firstenergycorp.com

CABLE:  
WIDE OPEN WEST (WOW)  
105 BLAZE INDUSTRIAL PARKWAY  
BEREA, OHIO 44017  
BOB HAMMOND  
(440) 625-0349  
bob.hammond@wowinc.com

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

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9:00 PM AND 7:30 AM M-SA OR 8:00 PM AND 10:00 AM SUNDAY. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

THE CONTRACTOR SHALL APPLY FOR A NOISE VARIANCE TO PERFORM NIGHT PAVING. IN THE EVENT A NOISE VARIANCE IS NOT GRANTED BY THE CITY, WORK SHALL COMMENCE DURING THE DAYTIME HOURS AT NO ADDITIONAL COSTS. ANY ADDITIONAL MOT COST WILL BE INCLUDED IN THE LINE ITEM FOR MOT, NO SEPARATE PAYMENT SHALL BE MADE.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL RECORD A VIDEO SURVEY OF ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY. A RECORD OF THIS VIDEO WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DETERMINED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES, LANE CLOSURE, AND ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THE INFORMATION TO THE CITY AND ANY OTHER LOCAL OFFICIALS RESPONSIBLE FOR PUBLIC NOTIFICATION.

STATIONING AND LOCATIONS

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

PHASING

ROADWAY PAVEMENT WORK SHALL BE PHASED AS FOLLOWS. WORK FOR EACH PHASE SHALL INCLUDE PAVEMENT PLANING, REPAIRS, INTERMEDIATE ASPHALT COURSE, AND REOPEN TO TRAFFIC, UNLESS OTHERWISE NOTED. EACH PHASE SHALL BE COMPLETED BEFORE PROCEEDING TO NEXT PHASE, UNLESS ALLOWED BY THE ENGINEER.

- PHASE 1 - LORAIN ROAD (SR10) TO GREAT NORTHERN BLVD (SR252) - INSIDE LANES.
- PHASE 2 - LORAIN ROAD (SR10) TO GREAT NORTHERN BLVD (SR252) - OUTSIDE LANES.
- PHASE 3 - INTERSECTION OF GREAT NORTHERN BLVD AND BROOKPARK ROAD. WORK SHALL BE PERFORMED EVENINGS AND/OR WEEKENDS. ALL LANES MUST BE OPEN TO TRAFFIC FROM 7AM TO 7PM MONDAY THROUGH FRIDAY.
- PHASE 4 - INTERSECTION OF CLAGUE ROAD AND BROOKPARK ROAD. INCLUDES PLANING, FULL DEPTH REPAIRS AND TEMPORARY STRIPING ONLY. WORK TO BE COMPLETED IN MAXIMUM OF SEVEN CALENDAR DAYS. SEE ALSO MAINTENANCE OF TRAFFIC PLAN.
- PHASE 5 - GREAT NORTHERN BLVD TO CITY LIMITS - INSIDE LANES
- PHASE 6 - GREAT NORTHERN BLVD TO CITY LIMITS - OUTSIDE LANES
- PHASE 7 - ASPHALT SURFACE COURSE - ENTIRE LENGTH.

ROADWAY

ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE, AS PER PLAN

THE MONUMENT BOX TO BE ADJUSTED MAY OR MAY NOT HAVE AN EXISTING ADJUSTABLE FRAME. THE WORK SHALL CONSIST OF ADJUSTING THE EXISTING MONUMENT BOX TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR IS REMINDED TO FIELD CHECK ALL ADJUSTMENT TO GRADE ITEMS PRIOR TO BIDDING, AS NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR LABOR AND MATERIALS REQUIRED TO SATISFACTORILY ADJUST CASTING WITHOUT ADJUSTABLE FRAMES.

UNSUITABLE SUBGRADE MATERIAL

WHERE UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED, IT SHALL BE REMOVED TO THE DEPTH DETERMINED BY THE ENGINEER AND REPLACED IN EIGHT (8) INCH MAXIMUM (LOOSE DEPTH) MECHANICALLY COMPACTED LAYERS. SUITABLE EMBANKMENT MATERIAL (204.02) REQUIRED TO REPLACE THE UNDERCUT SUBGRADE SHALL, TO THE EXTENT POSSIBLE, EXHIBIT THE SAME PHYSICAL PROPERTIES AS THE ADJACENT SOUND SUBGRADE MATERIALS. HOWEVER, USE OF SLAG, IN ANY FORM, IS NOT PERMITTED. IN CONJUNCTION WITH THE ABOVE WORK, AN ESTIMATED QUANTITY OF ITEM 204 - GEOTEXTILE FABRIC IS PROVIDED FOR USE AT LOCATIONS DETERMINED BY THE ENGINEER.

REMOVAL OF UNSUITABLE SUBGRADE SHALL BE PAID UNDER ITEM 204 - EXCAVATION OF SUBGRADE, AS PER PLAN. THE COST OF FURNISHING AND COMPACTING SUITABLE EMBANKMENT MATERIAL IN PLACE SHALL BE PAID FOR UNDER ITEM 204 - GRANULAR EMBANKMENT, AS PER PLAN. PROOF ROLLING SHALL BE INCIDENTAL TO SUBGRADE COMPACTION.

THE FOLLOWING ESTIMATED QUANTITIES TO BE USED AT LOCATIONS DETERMINED BY THE ENGINEER, ARE CARRIED TO THE GENERAL SUMMARY FOR THIS WORK AND PAYMENT IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR:

ITEM 204 - GRANULAR EMBANKMENT, AS PER PLAN	10 CY
ITEM 204 - EXCAVATION OF SUBGRADE, AS PER PLAN	10 CY
ITEM 204 - GEOTEXTILE FABRIC, AS PER PLAN	27 SY

ITEM 209 - LINEAR GRADING, AS PER PLAN

ITEM 659 - SEEDING AND MULCHING, AS PER PLAN

ITEM 659 - TOPSOIL, AS PER PLAN

THESE ITEMS ARE INTENDED TO BE USED TO CORRECT ANY GRADING DEFICIENCIES ALONG THE OUTSIDE BERM TO RE-ESTABLISH PROPER DRAINAGE.

THE FOLLOWING ESTIMATED QUANTITIES TO BE USED AT LOCATIONS DETERMINED BY THE ENGINEER, ARE CARRIED TO THE GENERAL SUMMARY FOR THIS WORK AND PAYMENT IS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR:

ITEM 209 - LINEAR GRADING, AS PER PLAN	1.5 MI
ITEM 659 - SEEDING AND MULCHING	3500 SY
ITEM 659 - TOPSOIL	100 CY

ITEM SPECIAL - PRE-CONSTRUCTION VIDEOGRAPHY, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION VIDEO PRIOR TO THE DELIVERY OF ANY EQUIPMENT, MATERIAL OR SUPPLIES AS FOLLOWS:

- A. SCOPE: COLOR VIDEO & AUDIO DOCUMENTATION OF SURFACE FEATURES AND IMPROVEMENTS WITHIN PROJECT LIMITS AND STORAGE AREAS, INCLUDING ADJACENT AREA. PRIOR TO AUDIO-VIDEO TAPING OF THE PROJECT, ALL AREAS TO BE INVENTORIED SHALL BE INVESTIGATED VISUALLY WITH NOTATIONS MADE OF ITEMS NOT READILY VISIBLE BY TAPING METHODS.
- B. PURPOSE: DOCUMENTATION OF EXISTING CONDITIONS PRIOR TO CONSTRUCTION FOR USE IN DETERMINING RESTORATION WORK AFTER CONSTRUCTION.
- C. QUALIFICATIONS: MINIMUM TWO (2) YEARS OF AUDIO-VIDEO TAPING EXPERIENCE ON SIMILAR TYPE CONSTRUCTION PROJECTS FOR PUBLIC AGENCIES.
- D. COVERAGE AREA: SHALL INCLUDE, BUT NOT LIMITED TO, ALL EXISTING DRIVEWAYS, SIDEWALKS, CURBS, STREETS, SIGNS, LANDSCAPING, TREES, CATCH BASINS, FENCES, VISIBLE UTILITIES, AND ALL BUILDINGS LOCATED WITHIN THE CONSTRUCTION ZONE OF INFLUENCE.
  - a. STREET - FULL WIDTH OF RIGHT-OF-WAY UNLESS NOTED OTHERWISE BY THE ENGINEER.
  - b. WORK AGREEMENT AREAS - ALL ADJACENT AREAS LYING WITHIN THE CONSTRUCTION ZONE OF INFLUENCE.
  - c. BUILDING EXTERIORS - ALL EXTERIOR SURFACES IDENTIFIED BY THE ENGINEER TO RECEIVE COVERAGE.
  - d. FRONT AND SIDE YARD AREAS - OF RESIDENTIAL HOMES WITHIN THE CONSTRUCTION ZONE OF INFLUENCE.
- E. EQUIPMENT: CAMERA SHALL BE CAPABLE OF PROVIDING ACCEPTABLE RESOLUTION COLOR VIDEO, SUFFICIENT ZOOM, PAN AND TILT CAPABILITIES, VIDEO SIGNAL-TO-NOISE RATIO OF AT LEAST 40 DB, AND A HORIZONTAL RESOLUTION OF 270 LINES.
- F. DELIVERABLE: CONTRACTOR SHALL PROVIDE TWO (2) COPIES ON CD OR DVD. THE DISKS SHALL BE LABELED WITH PROJECT NAME, LOCATION, AND DATE. THE AUDIO-VIDEO CONTENTS SHALL BE INVENTORIED BY RUN SEGMENT, IDENTIFIED BY LOCATION, ADDRESS, OR STATIONING.
- G. ENTERING PROPERTY: PRIVATE PROPERTY SHALL NOT BE ENTERED WITHOUT PERMISSION OF THE PROPERTY OWNER.
- H. OWNERSHIP OF DISKS: ALL DISKS AND THEIR CONTENTS SHALL BECOME PROPERTY OF THE CITY OF NORTH OLMS TED.
- I. SITE RECORDING CONDITIONS - ALL RECORDING SHALL BE DONE DURING GOOD AND CLEAR VISIBILITY. THE AVERAGE RATE OF SPEED DURING RECORDING SHALL BE APPROXIMATELY SIXTY (60) FEET PER MINUTE.

ITEM SPECIAL - PRE-CONSTRUCTION VIDEOGRAPHY, AS PER PLAN

1 LS

PAVEMENT

ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

THE INTENT OF THE PLANING IS TO MILL DOWN TO THE CONCRETE BASE (WHERE PRESENT), INCLUDING SCARIFYING THE CONCRETE SURFACE, AND 3" IN OTHER AREAS, CONTINGENT ON THE FOLLOWING: THE MAXIMUM CROSS SLOPE SHALL BE 0.02 WHILE THE MINIMUM CROSS SLOPE SHALL BE 0.01. THE PREFERRED CROSS SLOPE IS 0.016. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE CURB, TO PRODUCE A CROSS SLOPE IN CONFORMANCE WITH THE ABOVE GUIDELINES.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL CATCH BASINS AND INLETS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANED ROADWAY SURFACE MORE THAN FOURTEEN (14) CALENDAR DAYS. FOR EACH CALENDAR DAY BEYOND THE 7 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANED SURFACE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE OF \$1,000 A DAY.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SQUARE YARD OF ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. AN ADDITIONAL QUANTITY OF ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 HAS BEEN INCLUDED TO BE USED AS A LEVELING COURSE AT LOCATIONS DETERMINED BY THE ENGINEER.

ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2 (448) AS PER PLAN

150 CY

\\riba-fs01\5000-7999\6433\6433\6433\Civil\6433106SH\_05.dwg 09-Sep-20 9:59 AM

CALCULATED  
EH  
CHECKED  
GENERAL NOTES  
CUY-SR17-00.01  
5  
32



SHEET NO.	STATION		SIDE	LENGTH FT	WIDTH FT	CADD AREA SF	254	407	407	441	441	441	
	FROM 0+76	TO 111+22					PAVEMENT PLANING, AS PER PLAN SY	TACK COAT, SURFACE COURSE GAL	TACK COAT, 702.13 INTERMEDIATE COURSE GAL	ASPHALT CONC. INTERMEDIATE COURSE, TYPE 2, AS PER PLAN CY	ASPHALT CONC. SURFACE COURSE, TYPE 1, PG70-22M, AS PER PLAN CY	ASPHALT CONC. SURFACE COURSE, TYPE 1, PG64-22, AS PER PLAN CY	
17-20	0+76	111+22	LT/RT			760692	84521	4649	5917	4109	2638	297	
TOTALS CARRIED TO GENERAL SUMMARY							84521	4649	5917	4109	2638	297	