

GENERAL NOTES

CALC. BY: J.V. DATE: 9/85	LAK - 615 - 5.54	OHIO	2 15
CHKD. BY: J.V. DATE: 9-85		FHWA REGION	
		FEDERAL PROJECT	

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 150 SQUARE FEET OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS

THE ROUNDED CORNERS SHOWN ON THE TYPICAL SECTIONS, APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

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 O.R.C.

UTILITY OWNERSHIP

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

CLEVELAND ELECTRIC ILLUMINATING COMPANY 55 PUBLIC SQUARE, CLEVELAND, OHIO 44113 622-9800 EXT. 3451 R. HOHERZ	CITY OF MENTOR 8500 CIVIC CENTER BLVD., MENTOR, OHIO 44060 255-1100 SERVICE DIRECTOR A. BEASLEY
--	---

EAST OHIO GAS COMPANY 1201 EAST 55TH STREET, CLEVELAND, OHIO 44103 361-2753 R. JENDER	OHIO BELL TELEPHONE COMPANY 820 W. SUPERIOR AVE., CLEVELAND, OHIO 44113 822-2310 W. REED
---	--

OHIO WATER SERVICE 8644 STATION STREET, MENTOR, OHIO 44060 255-3421 N. LABBE	CONTINENTAL CABLEVISION 7511 MENTOR AVENUE, MENTOR, OHIO 44060 953-8320
--	---

LAKE COUNTY SANITARY ENGINEER
105 MAIN STREET, PAINESVILLE, OHIO 44077
352-6281 K. JOHNSON

DEPTH OF UTILITIES

THE DEPTH OF EXISTING UTILITIES, BASED UPON INFORMATION PROVIDED BY OR THE GENERAL PRACTICE OF THE OWNER OF THE UTILITY, IS AS FOLLOWS:

BURIED ELECTRICAL CABLE:	3.5' MIN.
BURIED TELEPHONE CABLE:	2.5' MIN.
BURIED TELEVISION CABLE:	1.5' TO 2.0'
GAS MAINS:	2.5' TO 3.0'
GAS SERVICE CONNECTIONS:	1.5' TO 2.0'
WATER SERVICE CONNECTIONS:	3.5' TO 5.0'

REMOVAL OF TREES AND 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. OF TREES	NO. OF STUMPS	TOTAL
18"	9	0	9
30"	0	0	0
48"	2	0	2
60"	0	0	0

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.

616 WATER
THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED FOR DUST CONTROL.
616 WATER 50 M-GAL.

CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

ITEM SPECIAL - HERBICIDES FOR WEED CONTROL

PRIOR TO PLACING THE ITEM 301 - BITUMINOUS AGGREGATE BASE, AN APPLICATION OF PRINCEP BOW, OR AMISINE, OR AN APPROVED EQUAL SHALL BE APPLIED TO THE SUBGRADE BED. THE RATE AND METHOD OF APPLICATION FOR AMISINE OR OF AN APPROVED EQUAL SHALL BE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE BID PER SQUARE YARD, "ITEM SPECIAL - HERBICIDES FOR WEED CONTROL", WHICH PRICE SHALL CONSTITUTE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND WATER REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 201 - TRIMMING OF TREE OR SHRUB BRANCHES

BRANCHES ON TREES OR SHRUBS DESIGNATED TO REMAIN SHALL BE TRIMMED TO GIVE A CLEAR HEIGHT OF 15 FEET ABOVE THE BIKE PATH SURFACE AND FOR A MINIMUM WIDTH OF 3 FEET BEYOND THE EDGE OF THE BIKE PATH SURFACE IN BOTH DIRECTIONS. COST OF TRIMMING TO BE INCLUDED IN THE COST OF ITEM 201, CLEARING AND GRUBBING.

CASINGS ADJUSTED TO GRADE

ALL EXISTING STRUCTURES TO BE ADJUSTED TO GRADE HAVE BEEN FIELD CHECKED TO DETERMINE THAT THE EXISTING CASINGS ARE SUITABLE FOR SALVAGE AND REUSE AT THE PARTICULAR STRUCTURE TO BE ADJUSTED TO GRADE. ADJUSTING RINGS SHALL NOT BE UTILIZED IN ADJUSTING CASINGS TO GRADE. HOWEVER, EXISTING CASINGS MAY PROVE TO BE UNSUITABLE, AS DETERMINED BY THE ENGINEER, DURING CONSTRUCTION OF THE PROJECT. TO PROVIDE FOR THIS CONTINGENCY, AN ESTIMATED QUANTITY OF THE FOLLOWING HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTING OF THE REQUIRED TYPE, SIZE AND STRENGTH FOR THE PARTICULAR STRUCTURE IN QUESTION.

ITEM 604	MANHOLE FRAME & COVER, AS PER PLAN	2	EACH
ITEM 604	CATCH BASIN FRAME & COVER, AS PER PLAN	2	EACH

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND PLACEMENT OF ALL EXISTING CASINGS. ANY CASINGS DAMAGED BY THE CONTRACTOR'S NEGLIGENT OPERATIONS, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASINGS (MANHOLE-NEENAH R-1782 OR EAST JORDAN IRON WORKS, CATCH BASIN - NEENAH 4030-27 OR EAST JORDAN IRON WORKS 6027) BY THE CONTRACTOR, AT NO EXPENSE TO THE STATE.

NEW CASINGS SHALL NOT BE ORDERED UNLESS AUTHORIZED BY THE ENGINEER.

MANHOLES ADJUSTED TO GRADE AS PER PLAN

CENTER LINE

CENTER LINE SHALL BE 4" DASHED YELLOW LOCATED AT THE CENTER LINE OF PAVEMENT AS PER ITEM 621 AND APPLIED IN 20 FOOT CYCLES CONSISTING OF A 5-FOOT DASH AND A 15-FOOT GAP BETWEEN DASHES.

CENTER LINES SHALL NOT BE PAINTED THROUGH BIKE RAMPS, EXISTING PAVING OR WITHIN 10'-0" OF NEW PAVING INTERSECTIONS.

SIGNS - LOCATION AND POSITION

THE CLOSEST EDGE OF ALL SIGNS SHALL BE LOCATED AT A MINIMUM DISTANCE OF 3'-0" FROM THE EDGE OF THE PAVEMENT AND THE BOTTOM EDGE OF THE SIGN SHALL BE AT A MINIMUM HEIGHT OF 7'-0" ABOVE THE EDGE OF PAVEMENT.

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.

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE BACK-OF-CURB AND WITHIN THE WORK LIMITS FOR AREAS ON CIVIC CENTER BOULEVARD AND RELOCATED MUNSON ROAD.

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE WORK LIMITS FOR AREAS ON THE TRAIL ROUTE, AS SHOWN ON THE PLAN.

WATERING AND MOWING PERMANENT SEEDED AREAS

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR THE PERMANENT SEEDED AREAS, AS PER 659.09:

659	WATER	30	M. GAL.
-----	-------	----	---------

MOWING OF PERMANENT SEEDED AREAS SHALL BE BY OTHERS.

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:

207	TEMPORARY SEEDING AND MULCHING	2500	SQ. YD.
207	STRAW OR HAY BALES	50	EACH
659	COMMERCIAL FERTILIZER	0.10	TON
659	REPAIR SEEDING AND MULCHING	650	SQ. YD.
659	AGRICULTURAL LIMING	5.6	TON

LINE DATA - MUNSON ROAD

LINE DATA FOR MUNSON ROAD IS MEASURED ALONG THE CENTER LINE OF BIKE PATH PAVEMENT USING MUNSON ROAD STATIONING AS A BASE LINE.

ADJUSTMENTS INDICATED ON THE LINE DATA INCLUDE DEDUCTIONS THROUGH EXISTING PAVED AREAS AND DEDUCTIONS OR ADDITIONS DUE TO OFFSET STATIONINGS.

THE FOLLOWING IS A SUMMARY OF MUNSON ROAD LINE DATA INDICATING ADDITIONS OR DEDUCTIONS:

SHEET 6

B/L STA. 25+61.94 TO B/L STA. 34+00	=	838.06 L.F.
ACTUAL CENTER LINE PAVEMENT LENGTH	=	798.77 L.F.
ADJUSTMENT TO B/L LENGTH (NET)	=	-39.29 L.F.

SHEET 7

B/L STA. 34+00 TO B/L STA. 44+00	=	1000.00 L.F.
ACTUAL CENTER LINE PAVEMENT LENGTH	=	983.89 L.F.
ADJUSTMENT TO B/L LENGTH (NET)	=	-16.11 L.F.

SHEET 8

B/L STA. 44+00 TO B/L STA. 54+90.80	=	1090.80 L.F.
ACTUAL CENTER LINE PAVEMENT LENGTH	=	1076.40 L.F.
ADJUSTMENT TO B/L LENGTH (NET)	=	-14.40 L.F.

TOTAL ADJUSTMENT TO B/L STATIONING (NET) = -69.80 L.F.

CENTER LINES - 621

SHEET No. 5 - 950'	=	0.18 MILES
" " 6 - 798'	=	0.15 "
" " 7 - 984'	=	0.19 "
" " 8 - 1078'	=	0.20 "
" " 9 - 1126'	=	0.21 "
" " 10 - 1021'	=	0.19 "
		1.12 MILES

WORK LIMITS

THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE WORK LIMITS SHOWN ON THE PLANS.