

GENERAL NOTES AND SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	275	

LAKE COUNTY
LAK - 20 - 27.92

3
12

ITEM 614 - TRAFFIC MAINTENANCE

HUBBARD ROAD SHALL BE RESURFACED IN SUCH A WAY THAT NO MORE THAN ONE-HALF OF THE PAVEMENT WIDTH SHALL BE UNDER CONSTRUCTION DURING ANY TIME INTERVAL. THE REMAINING PORTION SHALL BE USED TO MAINTAIN TWO-WAY TRAFFIC IN AN ALTERNATING MANNER. TWO FLAGMEN AND ONE STATE HIGHWAY PATROLMAN SHALL BE UTILIZED TO DIVERT TRAFFIC THROUGH THIS AREA. AT ALL OTHER TIMES TWO-WAY TRAFFIC SHALL BE MAINTAINED ON HUBBARD ROAD BY USE OF THE EXISTING PAVEMENT AND PROPOSED WIDENING.

DURING CONSTRUCTION PERIODS ON NORTH RIDGE ROAD, A MINIMUM OF THREE 11 FT. LANES SHALL BE USED TO MAINTAIN TWO-WAY TRAFFIC WITH THE FOLLOWING STIPULATIONS:

(1) DURING THE TIME PERIOD BEGINNING AT 6:00 A.M. AND ENDING AT 10:00 A.M., TWO 11 FT. WESTBOUND LANES SHALL BE OPEN TO TRAFFIC.

(2) DURING THE TIME PERIOD, BEGINNING AT 3:00 P.M. AND ENDING AT 7:00 P.M., TWO 11 FT. EASTBOUND LANES SHALL BE OPEN TO TRAFFIC.

THE ABOVE WORK PLUS ANY OTHER ADDITIONAL WORK SPECIFIED UNDER ITEM 614 SHALL BE PAID FOR UNDER ITEM 614 MAINTAINING TRAFFIC.

EXISTING TYPICAL SECTIONS

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

ITEM 201 - STUMPS REMOVED

ALL STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE RIGHT-OF-WAY LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE UNIT PRICE BID FOR ITEM 201 STUMPS REMOVED.

THE FOLLOWING IS THE ESTIMATED NUMBER OF STUMPS REMOVED:

SIZES	NO. OF STUMPS
18"	1
60"	3

ITEM 202 - SIDEWALK REMOVED

ALL SIDEWALK WITHIN THE RIGHT-OF-WAY OF THIS PROJECT SHALL BE REMOVED EXCEPT FOR THOSE SECTIONS WHICH COMPRISE A PORTION OF A DRIVEWAY OR PARKING AREA.

NON-RIGID PAVEMENT REMOVAL

REMOVAL AND DISPOSAL OF EXISTING NON-RIGID PAVEMENT SHALL BE MEASURED AND PAID FOR AS ITEM 203, EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. FOR EXACT LOCATIONS OF SAID UTILITIES THE CONTRACTOR SHOULD CONSULT THE FOLLOWING:

ASHTABULA TELEPHONE CO.
4616 PARK AVENUE
ASHTABULA, OHIO 44004
ATTN: HANK NORRIS, 998-5151, ext. 50

CLEVELAND ELECTRIC ILLUMINATING CO.
2210 SOUTH RIDGE WEST
POST OFFICE BOX 668
ASHTABULA, OHIO 44004
ATTN: PHILLIP R. MULLET, 998-3131

EAST OHIO GAS CO.
510 W. 44th STREET
ASHTABULA, OHIO 44004
ATTN: L.S. STEWARD, 998-5100

OHIO WATER SERVICE CO.
15 WEST MAIN STREET
GENEVA, OHIO 44041
ATTN: JACK LAGO, 466-4694

LAKE COUNTY SANITARY ENGINEER
NOLAN BUILDING MAIN STREET
PAINESVILLE, OHIO
ROBERT ALLEN, 352-6281, EXT. 270

ITEM 403 - ASPHALT CONCRETE (for spot leveling)

AN ESTIMATED QUANTITY OF ITEM 403 WAS CALCULATED FOR A DEPTH OF 1/2" OVER THE ENTIRE WORK AREA OF HUBBARD ROAD. HOWEVER, IT SHALL BE USED AS A SCRATCH COURSE TO CORRECT IRREGULARITIES IN THE PAVEMENT, AND SHALL BE PLACED WHERE AND AS DIRECTED BY THE ENGINEER.

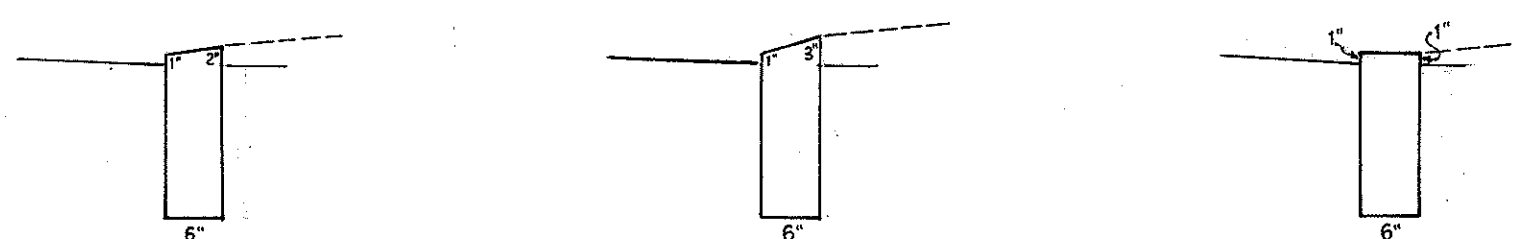
ITEM 403 - ASPHALT CONCRETE EST. QUANTITY = 49 CU. YDS.

DROPPED CURB

WHEN AN EXISTING DRIVE ELEVATION ADJACENT TO THE PROPOSED BACK OF CURB IS AT LEAST .08' BUT NOT MORE THAN .25' GREATER THAN THE PROPOSED GUTTER ELEVATION, THE DROPPED CURB SHALL BE PLACED TO MEET THIS ELEVATION.

IN THE EVENT THIS ELEVATION IS NOT WITHIN THE ABOVE LIMITS THE APRON SHALL BE WARPED BY EXCAVATING THE WEARING COURSE AND/OR RESURFACING WITH ITEM 404 (PLACED IN 1" COURSES) TO MEET THE CLOSER OF THE TWO LIMITS.

NORMAL DROPPED CURB MAXIMUM DROPPED CURB MINIMUM DROPPED CURB



DRIVE APRONS

NO APRON WORK AS SUCH, SHALL BE DONE ON THIS PROJECT IN CURBED AREAS EXCEPT AS DIRECTED BY THE ABOVE NOTE: HOWEVER, THE DROPPED CURB SHALL BE EXTENDED UP TO FIVE (5) FT. IN EITHER DIRECTION TO CREATE AN APPROACH SIMILAR TO THAT OF THE EXISTING APRON.

IN UNCURBED AREAS THE APRONS SHALL BE REPLACED WHERE GRADING WORK IS REQUIRED TO OBTAIN THE SPECIFIED CROSS SECTION BACKSLOPES.

THOSE APRONS REQUIRING WORK SHALL BE WARPED TO MEET THE PROPOSED GRADE BY EXCAVATING THE WEARING COURSE AND/OR RESURFACING WITH ITEM 404 (PLACED IN 1" COURSES).

ESTIMATED QUANTITIES OF ITEM 203 EXCAVATION AND ITEM 404 ASPHALT CONCRETE HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR APRON WORK WITHIN THIS PROJECT WHERE AND AS DIRECTED BY THE ENGINEER.

ITEM 203 - EXCAVATION ESTIMATED QUANTITY 50 CU. YDS.
ITEM 404 - ASPHALT CONCRETE ESTIMATED QUANTITY 50 CU. YDS.

ITEM 659 - SEEDING & MULCHING

QUANTITIES FOR SEEDING AND MULCHING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE WORK LIMITS AS SHOWN ON THE CROSS SECTIONS.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES SEWER FLOWS THROUGH EXISTING FACILITIES TO REMAIN IN PLACE AND THROUGH EXISTING FACILITIES TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PLACED IN USE.

PAYMENT FOR ANY ADDITIONAL COSTS INVOLVED IN MAINTAINING THESE FLOWS BY PUMPING OR BY ANY OTHER MEANS APPROVED BY THE ENGINEER SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE RESPECTIVE ITEMS OF 603 CONDUIT.

CONNECTIONS TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR AN EXISTING 6 INCH SEWER TO BE CONNECTED TO A STANDARD NO. 6 C.B., IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO CONSTRUCT THE PROPOSED CATCH BASIN.

THE EXISTING 6" PIPE SHALL BE CONNECTED TO THE PROPOSED NO. 6 CATCH BASIN WITH 5 LIN. FT. OF 6" TYPE "C" CONDUIT.

PAYMENT FOR THE ABOVE PLUS ANY ADDITIONAL WORK REQUIRED TO COMPLETE THIS ITEM SHALL BE PAID FOR UNDER THE UNIT PRICE BID FOR ITEM 604-STD. NO. 6 CATCH BASIN.

ITEM 403 - INTERMEDIATE COURSE

THE INTERMEDIATE COURSE SHALL BE PLACED IN A SEPARATE OPERATION, AS DIRECTED BY THE ENGINEER.

SHEET NUMBER				100% STATE	100% COUNTY	ITEM	GRAND TOTAL	UNIT	DESCRIPTION
3	4	5	6	SUB TOTAL	SH. NO. 7				
	3	1		4		201	4	EACH	Stumps Removed
	3719	3317	2357	9393		202	9393	SQ. FT.	Sidewalk Removed
	741	696	487	1924		202	1924	LIN. FT.	Curb Removed
			19	19	11	202	30	SQ. YDS.	Pavement Removed
	83	78	368	529	115	202	644	SQ. YDS.	Wearing Course Removed
50	284	273	416	1023	150	203	1173	CU. YDS.	Excavation not Including Embankment Construction
	30	31	7	68	12	203	80	CU. YDS.	Embankment
	72	70	116	258	50	301	308	CU. YDS.	Bituminous Aggregate Base (85-100 or AC-20) or (RT-11 or RT-12)
	46	40	94	180	49	310	229	CU. YDS.	Subbase Grading "B"
49	26	24	33	132	13	403	145	CU. YDS.	Asphalt Concrete (70-85 or AC-20), as per plan
50	13	12	67	142	32	404	174	CU. YDS.	Asphalt Concrete (70-85 or AC-20)
	157	144	242	543	106	408	649	GALS.	Bituminous Prime Coat RT-2 or RT-3
	741	696	426	1863	57	609	1920	LIN. FT.	Curb, Type 6
			178	178	90	407	268	GALS.	Tack Coat: MS-2 RS-1 OR RC-250
	2	1	2	5		202	5	EACH	Catch Basins Abandoned
	5	10	6	21		603	21	LIN. FT.	12" Conduit, Type "B", 706.01, 706.02 or 706.08
	1	2		3		604	3	EACH	Standard No. 3-A Catch Basins
			1	1		604	1	EACH	Standard No. 6 Catch Basins
			1	1		604	1	EACH	Manhole Adjusted to Grade
					2	604	2	EACH	Catch Basins Adjusted to Grade
	1		1	2		604	2	EACH	Manholes Reconstructed to Grade, as per plan
	0.08	0.07	0.08	0.23	0.02	659	0.25	TONS	Commercial Fertilizer (12-12-12)
	0.42	0.33	0.38	1.13	0.08	659	1.21	TONS	Agricultural Liming
	933	734	843	2510	176	659	2686	SQ. YDS.	Seeding and Mulching
			1	1	1	814	2	EACH	Fire hydrant moved and reset
					2	814	2	EACH	Service Boxes Adjusted to Grade
			1	1		814	1	EACH	Water Meter removed and reset
						LUMP	614	LUMP	Maintaining Traffic

ITEM 814 - EXTEND 4" HYDRANT BRANCH

THE CONTRACTOR SHALL CAREFULLY REMOVE THE FIRE HYDRANT, FURNISH AND INSTALL THE NECESSARY LENGTH OF 4" CAST IRON PIPE AND ACCESSORIES, MAKING THE CONNECTION TO THE EXISTING BRANCH, AND INSTALL THE FIRE HYDRANT AT THE NEW LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL IN ADDITION, PERFORM THE EXCAVATION, BACKFILLING, TESTING, CHLORINATING, SEEDING, SODDING AND PAVEMENT RESTORATION.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER EACH "ITEM 814 - Fire Hydrant Moved and Reset" WHICH PRICE AND PAYMENT SHALL CONSTITUTE FULL COMPENSATION FOR THE FURNISHING OF ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK IN PLACE.

ITEM 814 - VALVE BOX ADJUSTED TO GRADE

THE CONTRACTOR SHALL RAISE OR LOWER THE EXISTING VALVE BOX TO FIT THE REVISED GRADE BY EXCAVATING AND TAMPING BACKFILL UNDER THE VALVE BOX TO INSURE THAT THE BOX HAS A FIRM FOOTING.

WHEN IT IS NECESSARY TO RAISE THE HOOD OVER 6", THE CONTRACTOR SHALL REMOVE THE HOOD AND PLACE A NEW TELESCOPE, OR PORTION THEREOF, OVER THE EXISTING TELESCOPE. WHEN IT IS NECESSARY TO LOWER THE HOOD OVER 6", THE CONTRACTOR SHALL REMOVE THE HOOD AND CUT OFF THE TELESCOPE, AS DIRECTED.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID FOR EACH "ITEM 814 - Service Box Adjusted to Grade" WHICH SHALL CONSTITUTE FULL COMPENSATION FOR EXCAVATING, ADJUSTING THE VALVE BOX, BACKFILLING, TAMPING, SEEDING OR PAVING AND FURNISHING OF ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.

ITEM 814 - RESET WATER METER

THIS WORK CONSISTS OF THE REMOVAL OF THE WATER METER AND THE RESETTING AND RECONNECTING THE WATER METER AT THE LOCATION SHOWN ON THE PLANS.

THE CONTRACTOR WILL FURNISH ALL NECESSARY PIPE, FITTINGS AND VALVES, AND RELOCATE AND RECONNECT THE EXISTING METER INCLUDING THE FURNISHING OF ALL NECESSARY LABOR, MATERIALS, TOOLS AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

PAYMENT FOR THE ABOVE WORK WILL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH "ITEM 814 Water Meter Removed and Reset".