

GENERAL NOTES

CALC BY <u>MJN</u>	LAK -- 283 -- 3.83	OHIO	(8A) 79
DATE <u>6/9/92</u>			
CHKD BY <u>TJH</u>		FHWA	
DATE <u>6/20/92</u>		REGION	5
			PLAN 81

ITEM SPECIAL MISCELLANEOUS METAL

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE, AS DETERMINED BY THE ENGINEER, DURING CONSTRUCTION OF THE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTING OF THE REQUIRED TYPE, SIZE AND STRENGTH FOR THE PARTICULAR STRUCTURE IN QUESTION, AS DIRECTED BY THE ENGINEER.

ALL CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF ITEM 604. THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL CASTINGS. ANY CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTING BY THE CONTRACTOR AT NO EXPENSE TO THE STATE. STORM AND SANITARY MANHOLES SHALL HAVE NEENAH R-1782 FRAME AND LID, EAST JORDAN #1710 FRAME AND LID OR APPROVED EQUAL. ALL CASTINGS SHALL BE BICYCLE SAFE.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY, FOR USE AS DIRECTED BY THE ENGINEER.

ITEM	DESCRIPTION	QUANTITY
SPECIAL	MISCELLANEOUS METAL	5000 LBS.

EXISTING CASTINGS SHALL BE STOCKPILED FOR PICK-UP BY THE CITY OF EASTLAKE FORCES. THE CONTRACTOR SHALL NOT ORDER MATERIALS UNTIL AUTHORIZED BY THE ENGINEER AND IF NONE ARE NEEDED THE ITEM SHALL BE NON-PERFORMED.

ITEM SPECIAL MISCELLANEOUS METAL WORK

THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MISCELLANEOUS METALS SUCH AS MANHOLE FRAMES AND COVERS, WATER METER BOXES AND COVERS, VALVE BOXES AND LIDS, CURB STOP BOXES AND LIDS, VALVE BOX EXTENSIONS, HYDRANT EXTENSIONS, BRONZE BOLTS, AND OTHER SIMILAR ITEMS REQUIRED FOR THE PROPER COMPLETION OF THE WORK AND NOT SPECIFICALLY CALLED FOR UNDER ANOTHER PAY ITEM. FURNISHING AND INSTALLATION SHALL BE AS DIRECTED BY THE ENGINEER UPON DETERMINATION IN THE FIELD THAT SUCH CASTINGS OR PARTS ARE BROKEN, DAMAGED OR OTHERWISE UNUSABLE.

ALL NEW CASTINGS OR PARTS SHALL CONFORM TO THE APPROPRIATE WATERWORKS SPECIFICATIONS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER. ALL CASTINGS OR PARTS DAMAGED AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED AT NO COST TO THE STATE.

THE UNIT PRICE BID PER POUND FOR ITEM SPECIAL - MISCELLANEOUS METAL WORK, SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO PROPERLY COMPLETE THE WORK AS PLANNED, SPECIFIED OR DIRECTED BY THE ENGINEER.

AN ESTIMATED QUANTITY FOR ITEM SPECIAL - MISCELLANEOUS METAL WORK, HAS BEEN PROVIDED IN THE PLANS AS FOLLOWS:

ITEM	DESCRIPTION	QUANTITY
SPECIAL	MISCELLANEOUS METAL WORK	500 POUNDS

ITEM 632 TRAFFIC SIGNAL LOOP DETECTORS

THE CONTRACTOR IS ADVISED THAT TRAFFIC SIGNAL LOOP DETECTORS EXIST WITHIN THE LIMITS OF THIS PROJECT AS INDICATED IN THE PAVEMENT MARKING PLAN SHEETS. IT IS ANTICIPATED THAT THE LOOP DETECTORS WILL BE RENDERED INOPERABLE DURING PAVEMENT REPAIR AND/OR WIDENING OPERATIONS. TO PROVIDE FOR THIS CONTINGENCY, ESTIMATED QUANTITIES HAVE BEEN PROVIDED TO REPLACE LOOP DETECTORS WITH THE SAME SIZE LOOP AT THE LOCATIONS INDICATED ON SHEETS 74 AND 75. LOOP DETECTOR WIRE SHALL BE REPLACED TO THE PULL BOX AS PER THE REQUIREMENTS OF ITEM 632 AND STANDARD DRAWING TC-82.10. ESTIMATED QUANTITIES HAVE BEEN PROVIDED ON SHEETS 74 AND 75 AND CARRIED TO THE GENERAL SUMMARY.