

SUMMARY OF QUANTITIES					
CODE NO.	ITEM	UNIT	100% STATE TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				1007	
20200100	EARTH EXCAVATION	CU YD	765	765	
35100500	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	170	170	
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	1,830	1,830	
X4020500	AGGREGATE SURFACE COURSE, TYPE B 6"	SQ YD	170	170	
40600100	BITUMINOUS MATERIAL (PRIME COAT)	GALLON	920	920	
50102400	CONCRETE REMOVAL	CU YD	20	20	
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	108,000	108,000	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,600	6,600	
66400570	CHAIN LINK FENCE, 8' (SPECIAL)	FOOT	650	650	
66404600	CHAIN LINK GATES, 8'X3' SINGLE	EACH	1	1	
66409800	CHAIN LINK GATES, 8'X20' DOUBLE	EACH	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	24	
67100100	MOBILIZATION	L SUM	1	1	
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1	
X0301028	PUMP STATION SCADA EQUIPMENT	L SUM	1	1	
X0335700	PUMP STATION GENERAL WORK	L SUM	1	1	
X0783300	PUMP STATION ELECTRICAL WORK	L SUM	1	1	
* X0783500	PUMP STATION MECHANICAL WORK	L SUM	1	1	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	160	160	
40603000	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	160	160	
X8040305	ELECTRIC SERVICE CONNECTION	L SUM	1	1	
XX007707	CLASS SI CONCRETE	CU YD	40	40	
X0925156	REMOVAL AND DISPOSAL OF LEAD BASED PAINT	SQ FT	1,740	1,740	
Z0076600	TRAINERS	— HOUR —	— 600 —	— 600 —	
* X0323880	COMPLETE SPARE MAIN PUMP ASSEMBLY	L SUM	1	1	
* X0323881	COMPLETE SPARE LOW FLOW PUMP ASSEMBLY	L SUM	1	1	

* SPECIALTY ITEMS

GENERAL NOTES

- THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS, SITE ACCESS, POWER SUPPLY AND OTHER ITEMS THAT AFFECT THE CONTRACT AND THE CONSTRUCTION OF THE IMPROVEMENT.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS, SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF THE WORK.
- THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THIS DATA IS ESSENTIALLY CORRECT, BUT THE DEPARTMENT AND OTHERS ASSOCIATED WITH THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY WHEN THE POTENTIAL EXISTS FOR INVOLVEMENT AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGES TO THE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL MECHANICAL AND ELECTRICAL EQUIPMENT REMOVED FROM THE PUMP STATION SHALL BECOME THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF ELECTRICAL OPERATIONS. IF AT THE TIME OF REMOVAL, THE ENGINEER DECIDES THAT THE EQUIPMENT IS NOT USEABLE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND DISPOSE OF SAME, AS APPROVED BY THE ENGINEER.
- IN GENERAL, PRIOR TO CUTTING OPENINGS IN THE EXISTING REINFORCED CONCRETE SLABS AND WALLS, THE CONTRACTOR SHALL IDENTIFY EXACT LOCATIONS OF MAIN REINFORCING BARS (REBAR DETECTOR OR OTHER APPROVED PROCEDURE). THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE ENGINEER PRIOR TO CUTTING REINFORCED CONCRETE.
- THE CONTRACTOR SHALL COMPLY WITH APPLICABLE OSHA REGULATIONS WHILE AT THE CONSTRUCTION SITE.
- ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 1/4" EXCEPT AT SIDEWALKS AND CURBS WHERE ROUNDED CORNERS ARE REQUIRED.
- CLASS SI, CONCRETE SHALL BE USED THROUGHOUT.
- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60. EPOXY COATED REINFORCEMENT BARS ARE USED IN THIS WORK.
- FOR BACKFILLING AND COMPACTION SEE STANDARD SPECIFICATIONS.
- STRUCTURAL DESIGN DATA:
 REINFORCING STEEL fy = 60,000 psi
 CONCRETE fc = 3,500psi 14 DAYS
 STRUCTURAL STEEL fy = 36.0 ksi

 MINIMUM SLAB AND STAIR LIVE LOADING = 100 psf
 MINIMUM ROOF LIVE LOADING = 25 psf
- UNLESS OTHERWISE INDICATED ALL ITEMS AND WORK SHOWN ON THESE SHEETS ARE PROPOSED NEW ITEMS AND WORK.
- THESE SHEETS DEPICT BASIC REMOVAL AND PROPOSED CONSTRUCTION REQUIREMENTS, TO MAINTAIN THE FACILITY IN CONTINUOUS OPERATION DURING THE CONSTRUCTION PERIOD, TEMPORARY EQUIPMENT AND WIRING CONNECTIONS MAY BE REQUIRED, SUCH WORK SHALL BE STAGED BY THE CONTRACTOR TO FACILITATE THE PROJECT WITHOUT JEOPARDIZING THE OPERATING INTEGRITY OF THE STATION. THE CONTRACTOR SHALL SUBMIT A DETAILED WRITTEN AND DIAGRAMED SEQUENCE OF WORK, WELL IN ADVANCE OF CONSTRUCTION ACTIVITY, FOR REVIEW AND APPROVAL BY THE ENGINEER. THE PUMPING CAPACITY OF THE EXISTING STATION MUST BE MAINTAINED AT ALL TIMES (SPECIFIED STATION PUMPING CAPACITY 210,000 gpm. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE ENGINEER FOR ALL TEMPORARY WORK. REFER TO DIVISION 1 OF THE SPECIFICATIONS.
- NOTE THAT DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE PUMPING STATION ACCORDING TO THE REQUIREMENTS OF THE STATE'S ELECTRICAL MAINTENANCE CONTRACT. SHORT-TERM SHUTDOWN WILL BE PERMITTED WITH SPECIFIC WRITTEN PERMISSION (SEE SPECIFICATIONS).
- COORDINATE EXACT LOCATION OF ALL MAJOR COMPONENTS, WITH THE ENGINEER, BEFORE INSTALLATION.
- ANY SITE AREA DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR, TO THE SATISFACTION OF THE ENGINEER, AT NO ADDITIONAL COST TO THE STATE.
- ALL SHOP DRAWINGS, MATERIAL SAMPLES ETC. MUST BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE INSTALLATION.
- ALL CONCRETE CONSTRUCTION JOINTS BETWEEN NEW AND EXISTING CONCRETE SHOWN ON THE PLANS OR ADDED BY THE CONTRACTOR SHALL BE BONDED CONSTRUCTION JOINTS. (SEE SPECIAL PROVISIONS)
- CRUSHED SLAG SHALL NOT BE USED AS AN AGGREGATE MATERIAL.
- BEFORE STARTING EXCAVATION THE CONTRACTOR SHALL CALL DIGGER AT (312) 744-7000 FOR FIELD LOCATION OF BURIED UNDERGROUND UTILITIES (48 HOURS NOTIFICATION REQUIRED)

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PUMP STATION NO. 27
 REHABILITATION
 GENERAL NOTES AND
 SUMMARY OF QUANTITIES
 SCALE: N/A DRAWN BY: HFF
 DATE: 04-23-10 CHECKED BY: KHC

