

CONTRACT NO. 99394

SPEC PROV	ITEM NO.	ITEMS	UNIT	TOTAL	SHT 9	SHT 10	SHT 11	SHT 12	SHT 13	SHT 14	SHT 15
	20100110	TREE REMOVAL (8 TO 15 UNITS DIAMETER)	UNIT	248	12	51	101	36		24	24
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	534	54	96	138	54		114	78
	20100500	TREE REMOVAL ACRES	ACRE	0.01	0.01						
	20200100	EARTH EXCAVATION	CU YD	6500	500	2250	1900	900	450	350	150
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100							
	20400100	BORROW EXCAVATION	CU YD	100							
*	20800150	TRENCH BACKFILL	CU YD	1983	441	392	410	198	133	299	100
*	21400100	GRADING AND SHAPING DITCHES	FOOT	335	100	20	115	40	60		
	25000200	SEEDING, CLASS 2	ACRE	1.80	0.28	0.42	0.37	0.20	0.10	0.50	0.13
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	163	25	38	34	18	9	27	12
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	163	25	38	34	18	9	27	12
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	163	25	38	34	18	9	27	12
	25000700	AGRICULTURAL GROUND LIMESTONE	TON	3.50	0.56	0.84	0.74	0.40	0.20	0.60	0.26
	25100115	MULCH, METHOD 2	ACRE	1.80	0.28	0.42	0.37	0.20	0.10	0.50	0.13
	28000305	TEMPORARY DITCH CHECKS	FOOT	158	14	12	22			66	44
	28000400	PERIMETER EROSION BARRIER	FOOT	119	62			39		18	
	28000500	INLET AND PIPE PROTECTION	EACH	46	12	7	15	10	2		
	28100795	STONE DUMPED RIPRAP CLASS A3	SQ YD	117	70	47					
	28200200	FILTER FABRIC	SQ YD	117	70	47					
	31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	2929	565	767	839	472	155	99	32
	40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	652	374	60	55	18	71	62	12
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	243	30	35	50	31	25	72	
	40603315	HOT-MIX ASPHALT SURFACE COURSE, M _X "C", N70	TON	99	10	15	15	13	15	31	
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	502	59	137	119	124	35		28
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	5319	1044	2036	1801	438			
*	42400800	DETECTABLE WARNING	SQ FT	48	8	16	16	8			
*	44000100	PAVEMENT REMOVAL	SQ YD	6507	753	1940	1928	1140	510	213	23
*	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	466	133	52	93	84	76	28	
	44000300	COMBINATION CURB AND GUTTER REMOVAL	FOOT	88	38			50			
	44000500	SIDEWALK REMOVAL	SQ FT	274	30	85	46	113			
	44201345	CLASS C PATCHES, TYPE III, 9 INCH	SQ YD	62						39	23
	44201347	CLASS C PATCHES, TYPE IV, 9 INCH	SQ YD	25						25	
	44213200	SAW CUTS	FOOT	403	28	61	54	20	22	179	39
	44213204	TIE BARS 3/4"	EACH	148	148						
*	50100300	REMOVAL OF EXISTING STRUCTURE NO. 1	EACH	1		1					
*	50100400	REMOVAL OF EXISTING STRUCTURE NO. 2	EACH	1				1			
	50104400	CONCRETE HEADWALL REMOVAL	EACH	15		9		4		2	
*	50105200	PIPE CULVERT REMOVAL	FOOT	1286	111	175	198	208	220	273	101
	542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	174				26		148	
	542A0247	PIPE CULVERTS, CLASS A, TYPE 1 42"	FOOT	14	8	6					
	542C0220	PIPE CULVERTS, CLASS C, TYPE 1 15"	FOOT	118						118	
	542C0228	PIPE CULVERTS, CLASS C, TYPE 1 24"	FOOT	272						122	150
	54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2	1	1					
	54215550	METAL END SECTIONS 15"	EACH	2		1				1	
	54248510	CONCRETE COLLAR	CU YD	0.39	0.39						
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	108			108				
	550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	380			380				
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	366			94	100	172		
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	134	134						
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	136		93	43				
	550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	154	154						
	550A5500	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 42"	FOOT	52		52					
*	55101200	STORM SEWER REMOVAL 24"	FOOT	152	152						
	55106080	STORM SEWER INSTALLATION 24"	FOOT	144	86			58			
*	56100800	WATER MAIN 6"	FOOT	362	34	35	60	90		123	20
*	56100900	WATER MAIN 12"	FOOT	2810	371	620	550	334	260	570	105
*	56105800	ADJUSTING WATER MAIN 1"	FOOT	60							60

* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

GENERAL NOTES

ALL EARTHWORK REQUIRED FOR CONSTRUCTING BASE COURSE, AND COMBINATION CURB AND GUTTER IS INCLUDED IN THE QUANTITY OF EARTHWORK SHOWN ON THE PLANS. EXCAVATION OF 6" BEYOND THE BACK OF CURB IS INCLUDED IN THE EARTHWORK QUANTITY FOR OVER-DIG. 12" HAS BEEN ALLOWED IN THE EARTH EXCAVATION FOR THE THICKNESS OF THE PAVEMENT REMOVAL.

TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

FORMS FOR CONCRETE GUTTER AND COMBINATION CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER, OR WATER MAINS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, BITUMINOUS CONCRETE SURFACE COURSE SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 300 METERS (1,000 FEET), THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION. THE BITUMINOUS CONCRETE SURFACE SHALL NOT BE PLACED UNTIL ALL OF THE BITUMINOUS CONCRETE BINDER COURSE HAS BEEN PLACED.

ONLY CONCRETE AND FULL DEPTH BITUMINOUS DRIVEWAYS SHALL BE PAID FOR AS DRIVEWAY PAVEMENT REMOVAL. ALL EXCAVATION OF AGGREGATE, MULTIPLE A-1 SURFACES, BITUMINOUS WEDGES AND OTHER MISCELLANEOUS MATERIAL IS INCLUDED IN THE QUANTITY OF EARTHWORK SHOWN IN THE PLANS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD OF EARTH EXCAVATION.

WHERE EXISTING STORM SEWER IS REMOVED, TRENCH BACKFILL SHALL BE PLACED IN AREAS SPECIFIED IN SECTION 208 OF THE STANDARD SPECIFICATIONS.

ALL STORM SEWERS FOR ACROSS ROAD CONSTRUCTION AND WHERE SHOWN ON THE PLANS SHALL BE REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE CONFORMING TO THE REQUIREMENTS OF SECTION 550 OF THE STANDARD SPECIFICATIONS, OR, WHERE SHOWN ON THE PLANS, PVC PIPE MEETING THE REQUIREMENTS OF AWWA C-900.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS. AT THE LOCATION OF ANY MONUMENTS AND AFTER THE PAVING PORTION OF THE WORK HAS BEEN COMPLETED, THE CONTRACTOR SHALL CORE DRILL THE PAVEMENT 4" IN DIAMETER TO A DEPTH OF 24" TO ALLOW FOR THE PLACEMENT OF A SURVEY MONUMENT.

FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:

ALL BITUMINOUS CONCRETE	112 LB/SQ YD/INCH
ALL AGGREGATE	2.00 TON/CU YD
BITUMINOUS MATERIAL, PRIME COAT	
ON PAVEMENT	0.09 GALLON/SQ YD
ON AGGREGATE SURFACE	0.32 GALLON/SQ YD
RIPRAP	1.5 TON/CU YD
TRENCH BACKFILL	1.9 TON/CU YD

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AS INCLUDED WITH THE CONTRACT DOCUMENTS, EXCEPT AS MODIFIED IN THE PLANS AND AS DIRECTED BY THE ENGINEER.

THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES WITHIN THE LIMITS OF CONSTRUCTION. ADJUSTMENTS IN UTILITY LOCATIONS SHALL BE MADE BY THE OWNER, UNLESS OTHERWISE NOTED ON THE PLANS.

ELECTRIC & GAS
AMEREN/CIPS
1600 W. MAIN ST.
MARION, ILLINOIS 62959
618-993-3311

SOUTHEASTERN ILLINOIS ELECTRIC CO-OP
618-273-2611

TELEPHONE
FRONTIER
208 WEST UNION STREET
MARION, ILLINOIS 62959
309-663-3422

CABLE TV
MEDIACOM
618-993-5216

WATER & SEWER
CITY OF MARION
100 PUBLIC SQUARE
MARION, ILLINOIS 62959
WATER DEPT. 618-993-5610
SEWER DEPT. 618-993-5663

THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 10 DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.

UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATIONS ARE NOT GUARANTEED TO BE AS SHOWN IN THE PLANS.

THE CONTRACTOR SHALL MOVE THE MAILBOXES TO LOCATIONS AS DIRECTED BY THE U.S. POSTAL SERVICE AND INSTALL THEM READY TO RECEIVE MAIL. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL REPLACE THE MAILBOXES AT THE HOUSES FROM WHICH THEY WERE MOVED. THE COST OF MOVING THE MAILBOXES IS INCIDENTAL TO THIS CONTRACT.

SPEC PROV	ITEM NO.	ITEMS	UNIT	TOTAL	SHT 9	SHT 10	SHT 11	SHT 12	SHT 13	SHT 14	SHT 15
Δ *	56200200	WATER SERVICE LINE, 3/4"	FOOT	501	40	36	95	50	15	145	70
Δ *	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	4		1	1	1		1	
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	6			6				
	60500060	REMOVING INLETS	EACH	2	2						
Δ *	63600105	CABLE ROAD GUARD, SINGLE STRAND	FOOT	55	55						
Δ *	66400205	CHAIN LINK FENCE, 5'	FOOT	76				76			
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	14							
	67100100	MOBILIZATION	L SUM	1							
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1							
	701C3815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20							
	72000100	SIGN PANEL-TYPE 1	SQ FT	87.50	18.25	12.50	18.75	33.00	5.00		
	72900200	METAL POST - TYPE B	FOOT	170	40	14	36	68	12		
Δ	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	254.6	35.2	62.4	31.2	62.4	62.4		
Δ	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5621	1191	1500	1680	890	390		
Δ	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	113	53		60				
Δ	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	151	24			127			
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	52	52						
Δ *	X0320374	PLUG EXISTING SANITARY SEWER	EACH	3		3					
Δ *	X0322786	SANITARY SEWER TESTING	L SUM	1							
*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	5	5						
*	X0322933	RELOCATE EXISTING FLARED END SECTION	EACH	2	1					1	
Δ *	X0325340	FIRE HYDRANT WITH 6" VALVE AND VALVE BOX	EACH	9	1	2	1	1	1	2	1
Δ *	X0325792	WATER METER INSTALLED	EACH	26	2	3	6	3	1	8	3
Δ *	X0326713	SANITARY SEWER CONNECTION	EACH	1		1					
Δ *	X0326895	WATER METER TO BE REMOVED	EACH	26	2	3	6	3	1	8	3
*	X0327008	REMOVE AND RELOCATE SIGN (SPECIAL)	EACH	1			1				
*	X4200400	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL) WITH INTEGRAL CURB	SQ YD	11065	1460	3240	3430	1945	790	200	
*	X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	450	175	275					
Δ *	X5620108	WATER SERVICE RECONNECTIONS	EACH	27	2	4	5	3	1	8	3
Δ *	X5630004	CUT AND CAP EXISTING 4" WATER MAIN	EACH	3	1	1					1
Δ *	X5630005	CUT AND CAP EXISTING 6" WATER MAIN	EACH	6	1	2					1
Δ *	X6022810	MANHOLES, SANITARY, 4"-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2				1	
*	X6024242	INLETS, SPECIAL, NO. 1	EACH	23	6						