REF NO.	ITEM NO.	DESCRIPTION	UNIT	QUANT	UNIT	TOTAL	
1	201	CLEARING AND GRUBBING	LS	1			
2	202	PAVEMENT REMOVED	SY	428			
3	202	PAVEMENT REMOVED, ASPHALT	SY	1674			
4	202	WALK REMOVED	SF	46827			
5	202	STEPS REMOVED	FT	29			
6	202	CURB REMOVED	FT	10464			
7	202	PIPE REMOVED, 24" AND UNDER	FT	2635			
8	202	GUARDRAIL REMOVED	FT	2386			
9	202	MANHOLE REMOVED	EACH	4			
10	202	CATCH BASIN REMOVED	EACH	32			
11	202	FILL AND PLUG EXISTING CONDUIT	FT	43			
12	202	REMOVAL MISC.:BOLLARD REMOVED	EACH	17			
13	202	REMOVAL MISC.: INSPECTION WELL	EACH	2			
14	202	REMOVAL MISC.:POST REMOVED	EACH	15			
15	202	REMOVAL MISC.:PRIVATE SIGNS REMOVED AND RESET	EACH	3			
16	202	REMOVAL MISC.:MASONRY COLUMN REMOVED	EACH	2			
17	202	REMOVAL MISC.:2x8 BOARDS AND SUPPORTING STAKES	FT	163			
18	202	REMOVAL MISC.: BRICK REMOVED	FT	65			
19	202	REMOVAL MISC.:CABLE FENCE AND BLOCKS REMOVED	FT	53			
20	202	REMOVAL MISC.: CONDUIT	FT	400			
21	202	REMOVAL MISC.:MASONRY WALL REMOVED	FT	22			
22	202	REMOVAL MISC.:RAIL TIES REMOVED	FT	16			
23	202	REMOVAL MISC.:ROCK FILL REMOVED	SF	144			
24	203	EXCAVATION	CY	12271			
25	203	EMBANKMENT	CY	14807			
26	204	SUBGRADE COMPACTION	SY	15875			
27	204	EXCAVATION OF SUBGRADE 12" DEEP	CY	2423			
28	204	GRANULAR MATERIAL, TYPE B	CY	2423			
29	204	PROOF ROLLING	HOUR	4			
30	204	GEOGRID	SY	8913			
31	254	PAVEMENT PLANING, ASPHALT CONCRETE 3.5 INCHES	SY	32719			
32	301	ASPHALT CONCRETE BASE, PG64-22	CY	1644			
33	301	ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS)	CY	161			
34	304	AGGREGATE BASE	CY	1081			
35	407	NON-TRACKING TACK COAT	GAL	2987			
36	408	PRIME COAT	GAL	1567			
37	410	TRAFFIC COMPACTED SURFACE, TYPE A	CY	300			
38	442	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)	CY	1633			
39	442	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) (DRIVEWAYS)	CY	48			
40	442	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448)	CY	2177			
41	452	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	SY	6			
42	452	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	SY	427			
43	503	UNCLASSIFIED EXCAVATION	CY	39			

REF NO.	ITEM NO.	DESCRIPTION	UNIT	QUANT	UNIT	TOTAL	
		CONTINUE...					
44	517	RAILING, ALUMINUM	FT	305			
45	518	POROUS BACKFILL	CY	39			
46	518	4" PERFORATED CORRUGATED PLASTIC PIPE	FT	50			
47	601	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER	CY	42			
48	601	ROCK CHANNEL PROTECTION, WITH GROUT, AS PER PLAN	CY	17			
49	602	CONCRETE MASONRY	CY	18			
50	605	4" BASE PIPE UNDERDRAINS	FT	9279			
51	606	GUARDRAIL, TYPE MGS	FT	2420			
52	606	ANCHOR ASSEMBLY, TYPE E	EACH	4			
53	606	ANCHOR ASSEMBLY, TYPE T	EACH	4			
54	608	5" CONCRETE WALK	SF	62646			
55	608	5" CONCRETE WALK, AS PER PLAN	SF	96			
56	608	6" CONCRETE WALK	SF	303			
57	608	8" CONCRETE WALK	SF	13661			
58	608	CONCRETE STEPS, TYPE A	FT	9			
59	608	CURB RAMP	SF	2750			
60	608	DETECTABLE WARNING	SF	27			
61	609	CURB, TYPE 6	FT	10791			
62	610	RETAINING WALL, MISC.:MODULAR WALL	SF	852			
63	611	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	FT	610			
64	611	12" CONDUIT, TYPE B	FT	3009			
65	611	15" CONDUIT, TYPE B	FT	479			
66	611	18" CONDUIT, TYPE B	FT	1609			
67	611	18" CONDUIT, TYPE F	FT	14			
68	611	24" CONDUIT, TYPE B	FT	55			
69	611	CONDUIT, MISC.: TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE	FT	200			
70	611	CONDUIT, MISC.: TYPE C FOR DRAIAGE DISCHARGE CONTINUANCE	FT	200			
71	611	CONDUIT, MISC.: TYPE E FOR DRAIAGE DISCHARGE CONTINUANCE	FT	100			
72	611	CONDUIT, MISC.: TYPE F FOR DRAIAGE DISCHARGE CONTINUANCE	FT	100			
73	611	CATCH BASIN, NO. 3	EACH	36			
74	611	CATCH BASIN, NO. 3A	EACH	11			
75	611	CATCH BASIN, NO. 6	EACH	1			
76	611	CATCH BASIN, NO. 6 MOD	EACH	2			
77	611	CATCH BASIN, NO. 2-3	EACH	4			
78	611	CATCH BASIN ADJUSTED TO GRADE	EACH	2			
79	611	CATCH BASIN, MISC.: NO. 3 MH	EACH	11			
80	611	MANHOLE, NO. 3	EACH	12			
81	611	MANHOLE ADJUSTED TO GRADE	EACH	11			
82	611	MANHOLE ADJUSTED TO GRADE SANITARY	EACH	14			
83	611	CLEAN OUT ADJUSTED TO GRADE	EACH	1			

REF NO.	ITEM NO.	DESCRIPTION	UNIT	QUANT	UNIT	TOTAL	
84	611	MANHOLE ADJUSTED TO GRADE TEL	EACH	9			
85	611	INSPECTION WELL	EACH	2			
86	614	MAINTAINING TRAFFIC	LS	1			
87	614	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	HOUR	800			
88	614	WORK ZONE LANE LINE, CLASS I, 4", 740.06, TYPE I	MILE	0.91			
89	614	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	MILE	1.09			
90	614	WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE I	MILE	2.37			
91	614	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 740.06, TYPE I	FT	941			
92	614	WORK ZONE DOTTED LINE, CLASS I, 740.06, TYPE I	FT	237			
93	614	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 740.06, TYPE I	FT	431			
94	614	WORK ZONE ARROW, CLASS I, 740.06, TYPE I	EACH	19			
95	619	FIELD OFFICE, TYPE A	MNTH	16			
96	623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	LS	1			
97	624	MOBILIZATION	LS	1			
98	625	CONDUIT, 2", 725.052	FT	65			
99	625	CONDUIT, 3", 725.052	FT	359			
100	625	CONDUIT, JACKED OR DRILLED, 725.052, 4"	FT	1202			
101	625	TRENCH, 24" DEEP	FT	370			
102	625	PULL BOX, 725.08, 18"	EACH	12			
103	625	PULL BOX, 725.08, 24"	EACH	8			
104	625	GROUND ROD	EACH	27			
105	625	LIGHT POLE REMOVED	EACH	3			
106	630	GROUND MOUNTED SUPPORT, NO. 3 POST	FT	162			
107	630	SIGN POST REFLECTOR	EACH	2			
108	630	SIGN ATTACHMENT ASSEMBLY, MAST ARM	EACH	32			
109	630	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	EACH	8			
110	630	SIGN, FLAT SHEET	SF	74			
111	630	SIGN, FLAT SHEET	SF	139			
112	630	SIGN, STREET NAME	EACH	16			
113	630	COVERING OF SIGN	SF	65			
114	630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	EACH	1			
115	630	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	EACH	5			
116	630	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	EACH	5			
117	630	REMOVAL OF POLE MOUNTED SIGN AND REERECTION	EACH	2			
118	632	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	EACH	33			
119	632	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	EACH	9			
120	632	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	EACH	24			
121	632	COVERING OF VEHICULAR SIGNAL HEAD	EACH	42			
122	632	COVERING OF PEDESTRIAN SIGNAL HEAD	EACH	24			
123	632	PEDESTRIAN PUSHBUTTON	EACH	10			
124	632	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	FT	1443			
125	632	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	FT	3512			
126	632	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	FT	8150			
127	632	SIGNAL SUPPORT FOUNDATION	EACH	16			
128	632	PEDESTAL FOUNDATION	EACH	7			
129	632	POWER CABLE, 2 CONDUCTOR, NO. 10 AWG	FT	192			

REF NO.	ITEM NO.	DESCRIPTION	UNIT	QUANT	UNIT	TOTAL	
130	632	POWER SERVICE, AS PER PLAN	EACH	4			
131	632	CONDUIT RISER, 2" DIAMETER	EACH	4			
132	632	SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.21 MAST ARM (GREATER THAN 59' IN LENGTH	EACH	1			
133	632	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 1, AS PER PLAN	EACH	1			
134	632	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 2, AS PER PLAN	EACH	2			
135	632	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 4, AS PER PLAN	EACH	1			
136	632	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11, AS PER PLAN	EACH	2			
137	632	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 12, AS PER PLAN	EACH	5			
138	632	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 13, AS PER PLAN	EACH	4			
139	632	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 14, AS PER PLAN	EACH	1			
140	632	PEDESTAL, 3', TRANSFORMER BASE, AS PER PLAN	EACH	1			
141	632	PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN	EACH	6			
142	632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	EACH	4			
143	633	CABINET FOUNDATION	EACH	4			
144	633	CONTROLLER WORK PAD	EACH	4			
145	633	UNINTERRUPTIBLE POWER SUPPLY (UPS), AS PER PLAN	EACH	4			
146	633	CONTROLLER ITEM, MISC.: TYPE 170E, WITH CABINET, TYPE 332, AS PER PLAN	EACH	4			
147	644	LANE LINE, 4"	MILE	2.04			
148	644	CENTER LINE	MILE	1.53			
149	659	TOPSOIL	CY	1513			
150	644	CHANNELIZING LINE, 8"	FT	2320			
151	644	STOP LINE	FT	559			
152	644	CROSSWALK LINE	FT	1923			
153	644	TRANSVERSE/DIAGONAL LINE	FT	206			
154	644	ISLAND MARKING	SF	54			
155	644	LANE ARROW	EACH	53			
156	644	DOTTED LINE, 4"	FT	259			
157	659	SEEDING AND MULCHING	SY	13626			
158	659	COMMERCIAL FERTILIZER	TON	1.84			
159	659	LIME	ACRE	2.82			
160	659	WATER	MGAL	73			
161	690	GEOGRID MODULAR WALL GEOGRID	SY	33			
162	690	MAILBOX REMOVED AND RESET SINGLE	EACH	14			
163	690	MAILBOX REMOVED AND RESET DOUBLE	EACH	3			
164	690	CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUD INSPECTION AND TESTING	LS	1			
165	690	MISC: FDC AND PIV REMOVED AND RESET	LS	1			
166	690	SPECIAL - WORK INVOLVING PETROLEUM CONTAINTED SOIL	TON	100			
167	816	VIDEO DETECTION SYSTEM	EACH	4			

REF NO.	ITEM NO.	DESCRIPTION	UNIT	QUANT	UNIT	TOTAL	
168	816	VIDEO DETECTION SYSTEM (ALTERNATE BID-FLIR)	EACH	4			
169	832	STORM WATER POLLUTION PREVENTION PLAN	LS	1			
170	832	STORM WATER POLLUTION PREVENTION INSPECTIONS	LS	1			
171	832	STORM WATER POLLUTION PREVENTION SOFTWARE	LS	1			
172	832	EROSION CONTROL	EACH	150000			
173	878	INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	LS	1			
174	895	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 3	EACH	1			
		WATER WORKS					
175	1101	Furnishing and Installing FDC Connection	Each	1			
176	1101	Furnishing and Laying 12" Ductile Iron Pipe and Fittings	Lin. Ft.	100			
177	1101	Furnishing and Laying 16" Ductile Iron Pipe and Fittings	Lin. Ft.	29			
178	1101	Furnishing and Laying 4" Ductile Iron Pipe and Fittings	Lin. Ft.	80			
179	1101	Furnishing and Laying 6" Ductile Iron Pipe and Fittings	Lin. Ft.	108			
180	1101	Furnishing and Laying 8" Ductile Iron Pipe and Fittings	Lin. Ft.	6			
181	1110	Concrete, Class "C"	Cu. Yds.	9			
182	1113	Relocating Existing Fire Hydrant	Each	8			
183	1115	Furnishing and Installing Fire Hydrant Extension, 6" Long	Each *	1			
184	1115	Furnishing and Installing Fire Hydrant Extension, 12" Long	Each	3			
185	1115	Furnishing and Installing Fire Hydrant Extension, 18" Long	Each	3			
186	1115	Furnishing and Installing Fire Hydrant Extension, 24" Long	Each	1			
187	1116	Furnishing and Installing Valve Box Complete	Each	4			
188	1116	Furnishing and Installing Valve Box with 1" Air Release Complete	Each	1			
189	1119	Additional Excavation	Cu. Yds. *	5			
190	1120	Exploratory Excavation	Cu. Yds. *	5			
191	1122	Removing Existing Valve Box	Each	4			
192	1123	Changing 8" and Under Pipe Sewer	Lin. Ft. *	25			
193	1123	Changing 10" Thru 24" Pipe Sewer	Lin. Ft. *	25			
194	1125	Resetting Existing Valve Boxes Complete	Each	38			
195	1126	Furnishing and Installing 1 1/2" Copper Service Pipe w/ Aqua Shield	Lin. Ft.	89			
196	1126	Furnishing and Installing 1" Copper Service Pipe w/ Aqua Shield	Lin. Ft.	119			
197	1126	Furnishing and Installing 2" Copper Service Pipe w/ Aqua Shield	Lin. Ft.	26			
198	1126	Furnishing and Installing 3/4" Copper Service Pipe w/ Aqua Shield	Lin. Ft.	617			
199	1131	Furnishing and Installing Curb and Roadway Box	Each	23			
200	1132	Resetting Existing Curb and Roadway Box	Each	10			
201	1134	Relocating Existing 3/4" Frost-Proof Meter Setting	Each	1			
202	1134	Relocating Existing 5/8" Frost-Proof Meter Setting	Each	6			
203	1134	Relocating Existing 1-1/2" Frost-Proof Meter Setting	Each	1			
204	1135	Resetting Existing 5/8" Frost-Proof Meter Setting	Each	1			
205	1137	Furnishing and Installing 4" Meter Setting Appurtances & Construct Pit	Each	1			
206	509	Reinforcing Steel	Lbs.	848			
207	602	Brick Masonry	Cu. Yds. *	1			

REF NO.	ITEM NO.	DESCRIPTION	UNIT	QUANT	UNIT	TOTAL
208	604	Adjust Existing Valve Chamber to Grade	Each	11		
209	637	Sheeting and Bracing Ordered Left in Place	MFMB *	1		
210	638	Remove Existing Meter Setting	Each	1		
	* Contingency Items					
211	1126	Lead Service Line Replacement (5863 FILVIEW CIRCLE)	Branch	1		
212	1126	Lead Service Line Replacement (5939 HARRISON AVENUE)	Branch	1		
213	1126	Lead Service Line Replacement (5960 HARRISON AVENUE)	Branch	1		
214	1126	Lead Service Line Replacement (5963 HARRISON AVENUE)	Branch	1		
215	1126	Lead Service Line Replacement (5977 HARRISON AVENUE)	Branch	1		
216	1126	Lead Service Line Replacement (6011 HARRISON AVENUE)	Branch	1		
217	1126	Lead Service Line Replacement (6047 HARRISON AVENUE)	Branch	1		
218	1126	Lead Service Line Replacement (6054 HARRISON AVENUE)	Branch	1		
		CONTINGENCY				**$ 537,739.29**
		TOTAL FOR PROJECT				$
		CONTRACTOR'S NAME:				
		CONTRACTOR'S ADDRESS:				