



Item No.	Spec. No.	Item	Estimated Quantity	Unit of Measure
ROADWAY IMPROVEMENTS				
1	201	CLEARING AND GRUBBING, AS PER PLAN	1	LS
2	202	INLET REMOVED	2	EA
3	202	* CURB REMOVED	200	LF
4	202	CURB & GUTTER REMOVED	1,473	LF
5	202	WALK REMOVED	7,721	SF
6	203	EXCAVATION (INCLUDING EXISTING PAVEMENT REMOVAL, ASSUME 17")	1,384	CY
7	203	EMBANKMENT	253	CY
8	251	* PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN	397	SY
9	204	* SUBGRADE REPAIR, MISC.: REMOVAL OF UNCLASSIFIED MATERIAL AND CHOKER WITH 3" - 304	60	CY
10	253	* PAVEMENT REPAIR, AS PER PLAN	1,457	SY
11	254	PAVEMENT PLANING, ASPHALT CONCRETE (3") PROFILE MILL	13,249	SY
12	304	LIMESTONE AGGREGATE BASE (2 - 3" LIFTS ~ SHARED USE PATH)	235	CY
13	407	NON-TRACKING TACK COAT (0.75 GAL/SY)	1,099	GAL
14	407	NON-TRACKING TACK COAT (0.05 GAL/SY ~ INTERMEDIATE COURSE)	732	GAL
15	441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22 (1-1/2")	552	CY
16	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1. (446), PG64-22, 100% CRUSHED LIMESTONE (1.5")	552	CY
17	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22 (1-1/4" SHARED USED PATH)	48	CY
18	441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (3-1/4" SHARED USE PATH)	127	CY
19	441	ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, AS PER PLAN	217	SY
20	452	* NON-REINFORCED CONCRETE PAVEMENT, MISC.: 9" PLAIN PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL & REPLACEMENT, AS PER PLAN	557	SY



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21	452	11" PLAIN CONCRETE PAVEMENT (BUS PAD)	111	SY
22	530	SPECIAL - STRUCTURE, MISC.: MODULAR RETAINING WALL	35	SF
23	605	UNDERDRAIN, MISC.: 6" SHALLOW PIPE UNDERDRAIN (AS PER PLAN)	2,841	LF
24	608	5" CONCRETE WALK	7,790	SF
25	608	CURB RAMP	1,298	SF
26	608	DETECTABLE WARNING	180	SF
27	609	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	2,841	LF
28	609	CURB, TYPE 6	556	LF
29	609	CURB, TYPE 7, AS PER PLAN	320	LF
30	609	CONCRETE MEDIAN	800	SF
31	611	12" CONDUIT, TYPE B	17	FT
32	611	18" CONDUIT, TYPE B	14	FT
33	611	CATCH BASIN, NO. 3A	1	EA
34	611	CATCH BASIN, NO. 3	1	EA
35	611	CATCH BASIN, NO. 3 MODIFIED	1	EA
36	611	MANHOLE, NO. 3	3	EA
37	611	DRAINAGE STRUCTURE, MISC.: CONVERT EXISTING CATCH BASIN TO MANHOLE	3	EA
38	611	* DOWNSPOUT CONDUIT, MISC.: PVC CHEDULE 40 PIPE, 3"	25	LF
39	611	MANHOLE ADJUSTED TO GRADE (STORM)	8	EA
40	611	DRAINAGE STRUCTURE, MISC.: CONVERT EX. DB OUTLET STRUCTURE TO MH AND ADD PR. DETENTION BASIN OUTLET STRUCTURE (CB2-4)	1	EA
41	621	RAISED PAVEMENT MARKERS (RPM), REMOVE AND REPLACE	100	EA



Item No.	Spec. No.	Item	Estimated Quantity	Unit of Measure
42	621	RPM, AS PER PLAN	7	EA
43	644	STOP LINE	335	LF
44	644	CROSSWALK LINE, 24"	729	LF
45	644	TRANSVERSE/DIAGONAL LINE	50	LF
46	644	CHANNELIZING LINE, 8 INCH	1,800	LF
47	644	LANE ARROW	26	EA
48	644	DOTTED LINE, 6 INCH	1,200	LF
49	644	CENTERLINE, 4" SOLID DOUBLE	2,270	LF
50	644	LANE LINE	3,790	LF
51	614	MAINTAINING TRAFFIC	1	LS
52	623	CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	1	LS
53	624	MOBILIZATION	1	LS
54	SPL	* NEW MAILBOX & PLACEMENT	4	EA
55	630	* GROUND MOUNTED SUPPORT, NO. 3 POST	48	LF
56	630	* SIGN, FLAT SHEET	65	SF
57	630	* SIGN POST REFLECTOR	11	EA
58	630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (INCLUDING POST)	11	EA
59	630	* REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	1	EA
60	630	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	1	EA
61	630	SIGNING, MISC.: REUSE OF SIGN ATTACHMENT ASSEMBLY	1	EA
62	630	REMOVAL OF GROUND MOUNTED SIGN AND DELIVERY (VINEYARDS CHURCH, TO PUBLIC WORKS FACILITY)	1	LS



Item No.	Spec. No.	Item	Estimated Quantity	Unit of Measure
63	SPL	SPECIAL - REMOVE EXISTING BUS SHELTER AND INSTALL NEW SHELTER (INCLUDES BENCH AND TRASH RECEPTACLE)	1	LS
64	SPL	SPECIAL - STRUCTURE, MISC.: MODULAR RETAINING WALL	35	SF
65	SPL	* MANHOLE ADJUSTED TO GRADE, SANITARY SEWER MANHOLE ADJUSTED TO GRADE; AS PER PLAN; LABOR AND MATERIAL	2	EA
66	SPL	* MANHOLE REPAIRED AND ADJUSTED TO GRADE, SANITARY MANHOLE. AS PER PLAN; LABOR AND MATERIAL	1	EA
67	SPL	* BRICK MASONRY MANHOLE REPAIR, SANITARY SEWER MANHOLE, AS PER PLAN; LABOR AND MATERIAL	1	EA
68	SPL	MANHOLE ADJUSTED TO GRADE, TELEPHONE	1	EA
69	SPL	MANHOLE ADJUSTED TO GRADE, GCWW	6	EA
70	SPL	MANHOLE ADJUSTED TO GRADE, ELECTRIC	1	EA
71	SPL	* CONTINGENCY / DISCRETIONARY ALLOWANCE	1	LS
TRAFFIC SIGNAL				
72	625	CONNECTION, FUSED PULL APART	4	EA
73	625	CONNECTION, UNFUSED PULL APART	8	EA
74	625	CONNECTION, UNFUSED PERMANENT	4	EA
75	625	BRACKET ARM, 15', AS PER PLAN	1	EA
76	625	BRACKET ARM, 25', AS PER PLAN	2	EA
77	625	BRACKET ARM, 30', AS PER PLAN	1	EA
78	625	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	1,473	LF
79	625	NO. 10 AWG POLE AND BRACKET CABLE	645	LF
80	625	CONDUIT, 2", 725.051	57	LF
81	625	CONDUIT, 4", 725.052	95	LF
82	625	CONDUIT, JACKED OR DRILLED, 725.052, 4"	491	LF



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83	625	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN (120V, TYPE III DISTRIBUTION)	4	EA
84	625	TRENCH, 24" DEEP	121	LF
85	625	PULL BOX, 725.08, 24"	5	EA
86	625	GROUND ROD	8	EA
87	630	SIGN HANGER ASSEMBLY, MAST ARM	13	EA
88	630	SIGN ATTACHMENT ASSEMBLY, MAST ARM	2	EA
89	630	SIGN, FLAT SHEET	129.5	SF
90	632	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK	16	EA
91	632	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, BLACK	3	EA
92	632	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	6	EA
93	632	PEDESTRIAN PUSHBUTTON	6	EA
94	632	COVERING OF VEHICULAR SIGNAL HEAD	19	EA
95	632	COVERING OF PEDESTRIAN SIGNAL HEAD	6	EA
96	632	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	1,398	LF
97	632	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	3,253	LF
98	632	SIGNAL SUPPORT FOUNDATION	4	EA
99	632	PEDESTAL FOUNDATION	3	EA
100	632	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG	1,368	FT
101	632	POWER CABLE, 3 CONDUCTOR, NO. 10 AWG	127	LF
102	632	POWER SERVICE, AS PER PLAN	1	EA
103	632	CONDUIT RISER, 2" DIAMETER	1	EA



Item No.	Spec. No.	Item	Estimated Quantity	Unit of Measure
104	632	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN	4	EA
105	632	PEDESTAL, 8', TRANSFORMER BASE	3	EA
106	632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	1	EA
107	633	CABINET, TYPE TS-2, AS PER PLAN	1	EA
108	633	CABINET FOUNDATION, AS PER PLAN	1	EA
109	633	CONTROLLER WORK PAD	1	EA
110	633	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	1	EA
111	809	STOP LINE RADAR DETECTION, AS PER PLAN	4	EA
112	809	CCTV IP-CAMERA SYSTEM, DOME-TYPE, AS PER PLAN	1	EA
113	804	FIBER OPTIC CABLE, MISC.: MODIFY EXISTING SPLICE ENCLOSURE	1	EA
114	804	FIBER TERMINATION PANEL, 12 FIBER	1	EA
115	804	DROP CABLE, 12 FIBER	119	FT
116	809	ITS DEVICE, MISC.: ETHERNET SWITCH WITH GIGABIT UPLINK	1	EA
117	809	ATC CONTROLLER, AS PER PLAN	1	EA
118	632	SIGNALIZATION, MISC.: VACUUM EXCAVATION OF FOUNDATION	1	EA
GCWW				
119	1101	FURNISHING AND LAYING 6" DUCTILE IRON PIPE AND FITTINGS	70	LF
120	1101	FURNISHING AND LAYING 12" DUCTILE IRON PIPE AND FITTINGS	25	LF
121	1110	CONCRETE, CLASS "C"	2	CY
122	1112	FURNISHING AND INSTALLING FIRE HYDRANT	1	EA
123	1113	RELOCATING EXISTING FIRE HYDRANT	1	EA



Item No.	Spec. No.	Item	Estimated Quantity	Unit of Measure
124	1114	REMOVING FIRE HYDRANT	1	EA
125	1115	FURNISHING AND INSTALLING FIRE HYDRANT EXTENSION, 12" LONG	2	EA
126	1116	FURNISHING AND INSTALLING VALVE BOX COMPLETE	2	EA
127	1119	* ADDITIONAL EXCAVATION	5	CY
128	1120	* EXPLORATORY EXCAVATION	5	CY
129	1122	REMOVING EXISTING VALVE BOX	2	EA
130	1126	FURNISHING AND INSTALLING 2" COPPER SERVICE PIPE W/ AQUA SHIELD	32	LF
131	1130	DISCONNECTING EXISTING 3/4" SERVICE BRANCH	2	EA
132	1134	RELOCATING EXISTING 2" FROST-PROOF METER SETTING	1	EA
133	1138	REMOVING CURB AND ROADWAY BOX	2	EA
134	1131	FURNISHING AND INSTALLING CURB AND ROADWAY BOX	1	EA
135	1125	RESETTING EXISTING VALVE BOX, COMPLETE	12	EA
136	509	REINFORCING STEEL	326	LBS
137	602	* BRICK MASONRY	1	CY
138	604	ADJUST EXISTING VALVE CHAMBER TO GRADE	9	EA
139	637	* SHEETING AND BRACING ORDERED LEFT IN PLACE	1	EA
140	638	REMOVE EXISTING METER SETTING	1	EA