

Northstar Boulevard

BID ITEMS

3/25/2021



Item	Item ID	Spec Year	Specification	Description	Units	Quantity	Unit Price	Total Cost
1	100	2020	513	MOBILIZATION	LS	1		
2	101	2020	517	CONSTRUCTION SURVEYING (CONSTR.)	LS	1		
3	105	2020	517	SURVEY AS-BUILTS	LS	1		
				EARTHWORK				
4	112	2020	301	CLEARING AND GRUBBING	AC	13.3		
5	120	2020	303	REGULAR EXCAVATION	CY	120195		
6	124	2020	ATTD	ROCK EXCAVATION	CY	4908		
7	85003	2020	303	UNDERCUT EXCAVATION	CY	8641		
				CULVERT				
8	212	2020	303	MINOR STR. EXCAV. BOX CULVERT	CY	1606		
9	522	2020	302	CONCRETE CLASS A4 BOX CULVERT	CY	370.21		
10	14502	2020	ATTD	REINF. STEEL	LB	70187.30		
				UNDERDRAIN				
11	588	2020	501	UNDERDRAIN UD-4	LF	8500		
12	590	2020	501	COMB. UNDERDRAIN CD-1	LF	378		
13	591	2020	501	COMB. UNDERDRAIN CD-2	LF	133		
14	596	2020	302	ENDWALL EW-12	EA	2		
				DRAINAGE				
15	170	2020	ATTD	NS SOIL MEDIA	CY	411		
16	507	2020	302	NS BEDDING MATL. AGGR. NO. 57. GRAVEL SUMP	TON	242		
17	529	2020	509	FLOWABLE BACKFILL	CY	5		
18	1156	2020	302	STORM SEWER PIPE 15"	LF	4452		
19	1186	2020	302	STORM SEWER PIPE 18"	LF	1501		
20	1246	2020	302	STORM SEWER PIPE 24"	LF	870		
21	1306	2020	302	STORM SEWER PIPE 30"	LF	999		
22	1366	2020	302	STORM SEWER PIPE 36"	LF	322		
23	2090	2020	302	NS PIPE 6" PVC UNDERDRAIN	LF	280		
24	2112	2020	ATTD	NS DRAINAGE CLEANOUT VENT PIPE	EA	10		
25	2112	2020	302/PLAN	23"X14" (18") END WALL EW-1A	EA	2		
26	2112	2020	302/PLAN	30" END WALL EW-1	EA	1		
27	2112	2020	302/PLAN	36" END WALL EW-1	EA	1		
28	2142	2020	302	23" X 14" ELLIPTICAL CONC. PIPE	LF	166		
29	6150	2020	302	15" END SECTION ES-1	EA	4		
30	6180	2020	302	18" END SECTION ES-1	EA	2		
31	6361	2020	302	36" END SECTION ES-1	EA	1		
32	6740	2020	302	DROP INLET DI-1	EA	1		
33	6747	2020	302	DROP INLET DI-2B, L=4'	EA	2		
34	6750	2020	302	DROP INLET DI-2B, L=10'	EA	1		
35	6815	2020	302	DROP INLET DI-3A	EA	3		
36	6817	2020	302	DROP INLET DI-3B, L=4'	EA	5		
37	6818	2020	302	DROP INLET DI-3B, L=6'	EA	14		
38	6819	2020	302	DROP INLET DI-3B, L=8'	EA	14		
39	6820	2020	302	DROP INLET DI-3B, L=10'	EA	4		
40	6827	2020	302	DROP INLET DI-3BB, L=6'	EA	3		
41	6828	2020	302	DROP INLET DI-3BB, L=8'	EA	4		
42	6835	2020	302	DROP INLET DI-3C, L=6'	EA	2		
43	7108	2020	302	DROP INLET DI-4AA, L=8'	EA	2		
44	7310	2020	302	DROP INLET DI-4E, L=8'	EA	1		
45	7508	2020	302	DROP INLET DI-7	EA	3		
46	8912	2020	302	DROP INLET DI-12A, L=4'	EA	7		
47	8916	2020	302	DROP INLET DI-12A, L=8'	EA	1		
48	9056	2020	302	MANHOLE MH-1 OR 2	LF	61		
49	9057	2020	302	FRAME & COVER	EA	4		

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50	9998	2020	302	CONNECT TO EXISTING STRUCTURE	EA	2		
51	13232	2020	504	GEOTEXTILE DRAINAGE FABRIC	SY	489		
52	16241	2020	ATTD	NS AGGR. MATL. PEA GRAVEL	TON	49		
				ROADWAY				
53	10123	2020	308	AGGR. MATL. NO. 21A	TON	1022.00		
54	10128	2020	308	AGGR. MATL. NO. 21B	TON	32137.00		
55	10610	2020	315	ASPHALT CONCRETE TY. IM-19.0A	TON	4776.00		
56	10635	2020	315	ASPHALT CONCRETE TY SM-9.5A	TON	1357.00		
57	10636	2020	315	ASPHALT CONCRETE TY. SM-9.5D	TON	4547.00		
58	10642	2020	315	ASPHALT CONCRETE TY. BM-25.0A	TON	14800.00		
59	11070	2020	315	SAW CUT EXISTING PAVEMENT	LF	5315		
60	12020	2020	502	STD. CURB CG-2	LF	69.81		
61	12022	2020	502	RADIAL CURB CG-2	LF	80.19		
62	12030	2020	502	STD. CURB CG-3	LF	746.24		
63	12032	2020	502	RADIAL CURB CG-3	LF	335.76		
64	12600	2020	502	STD. COMB. CURB & GUTTER CG-6	LF	452		
65	12610	2020	502	RAD. COMB. CURB & GUTTER CG-6	LF	118		
66	12700	2020	502	STD. COMB. CURB & GUTTER CG-7	LF	8160		
67	12710	2020	502	RAD. COMB. CURB & GUTTER CG-7	LF	1218		
68	12940	2020	502	ENTRANCE GUTTER CG-9D	SY	184		
69	13108	2020	ATTD	CG-12 DETECTABLE WARNING SURFACE	SY	37		
70	13220	2020	504	HYDR. CEMENT CONC. SIDEWALK 4"	SY	668		
71	13280	2020	505	GUARDRAIL GR-MGS1	LF	226		
72	13281	2020	505	GUARDRAIL GR-MGS1A	LF	444		
73	13286	2020	505	GUARDRAIL GR-MGS2	LF	6		
74	13287	2020	505	GUARDRAIL GR-MGS3	EA	2		
75	13383	2020	505	FIXED OBJECT ATTACH. GR-FOA-1 TY. I	EA	2		
76	14100	2020	ATTD	REMOVAL OF SIDEWALK AND ENTRANCE	SY	95		
77	14120	2020	ATTD	REMOVAL OF COMB. CURB AND GUTTER	LF	191		
78	16522	2020	515	FLEXIBLE PAVEMENT PLANING 0"-2"	SY	16549		
79	16523	2020	515	FLX. PAVE TIE-IN PLANING 2"-4"	SY	664		
80	22643	2020	507	FENCE FE-CL	LF	4294		
81	22653	2020	507	LINE BRACE UNIT FE-CL	EA	410		
82	22663	2020	507	CORNER BRACE UNIT FE-CL	EA	20		
83	22909	2020	507	GATE FE-G L=14' (DOUBLE SWING)	EA	3		
84	24100	2020	511	ALLAYING DUST	HR	2000		
85	24150	2020	512	TYPE III BARRICADE 4'	EA	43		
86	24265	2020	PLAN	MAINT. OF TRAFFIC CONTROL	LS	1		
87	24290	2020	512	TRAFFIC BARRIER SER CONC.	LF	126		
88	24430	2020	508	DEMO. OF PAVEMENT (FLEXABLE)	SY	3137.00		
89	24600	2020	505	REMOVE EXIST. GUARDRAIL	LF	205.00		
90	25507	2020	514	FIELD OFFICE TYPE I	MO	24.00		
91	26118	2020	414	DRY RIPRAP CL.I 18"	TONS	1885		
92	26239	2020	414	DRY RIPRAP CL.II	TONS	26		
93	27102	2020	603	REGULAR SEEDING	LB	3300		
94	27300	2020	604	SOD	SY	307		
				LANDSCAPING				
				DECIDUOUS TREES				
95	30058	2020	605	ACER RUBRUM (RED MAPLE) - 2.1.2 TYPE 1 - 2.5" CAL. - WATER KEY A	EA	29		
96	30227	2020	605	BETULA NIGRA (RIVER BIRCH) - 2.2.2 TYPE 2 - 2.5" CAL. - WATER KEY A	EA	9		
97	30498	2020	605	LIRIODENDRON TULIPIFERA (TULIP POPLAR) - 2.2.2 TYPE 2 - 2.5" CAL. - WATER KEY A	EA	15		
98	30668	2020	605	QUERCUS BICOLOR (SWAMP WHITE OAK) - 2.2.2 TYPE 2 - 2.5" CAL. - WATER KEY A	EA	17		

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99	30758	2020	605	QUERCUS PHELLOS (WILLOW OAK) - 2.1.2 TYPE 1 - 2.5" CAL. - WATER KEY A	EA	21		
				SMALL DECIDUOUS TREES				
100	29042	2020	605	AMELANCHIER ARBOREA (SERVICEBERRY) - 2.5.3 TYPE 3 - 8' HT. - WATER KEY B	EA	47		
101	29133	2020	605	CORNUS FLORIDA (FLOWERING DOGWOOD) - 2.4.2 TYPE 4 - 8' HT. - WATER KEY B	EA	46		
102	29143	2020	605	CORNUS AMOMUM (SILKY DOGWOOD) - 2.4.2 TYPE 4 - 8' HT. - WATER KEY B	EA	16		
103	30172	2020	605	AMELANCHIER CANADENSIS (CANADIAN SERVICEBERRY) - 2.5.3 TYPE 3 - 8' HT. - WATER KEY B	EA	37		
104	30826	2020	605	SALIX NIGRA (BLACK WILLOW) - 2.4.2 TYPE 4 - 8' HT. - WATER KEY B	EA	45		
				EVERGREEN TREES				
105	32104	2020	605	ILEX OPACA (AMERICAN HOLLY) - 5.8.2 TYPE 5 - 8' HT. - WATER KEY C	EA	29		
106	32144	2020	605	JUNIPERUS VIRGINIANA (EASTERN RED CEDAR) - 4.6.2 TYPE 3 - 8' HT. - WATER KEY C	EA	35		
107	32264	2020	605	PINUS STROBUS (EASTERN WHITE PINE) - 4.7.2 TYPE 4 - 8' HT. - WATER KEY C	EA	36		
108	32443	2020	605	THUJA PLICATA X STANDISHII 'GREEN GIANT' (GREEN GIANT ARBORVITAE) - 4.7.2 TYPE 4 - 8' HT. - WATER KEY C	EA	36		
109	32454	2020	605	TSUGA CANADENSIS (EASTERN HEMLOCK) - 4.7.2 TYPE 4 - 8' HT. - WATER KEY C	EA	10		
110	N/A	2020	605	LARIX LARICINA (TAMARACK LARCH) - 4.6.2 TYPE 3 - 8' HT. - WATER KEY C	EA	8		
				SHRUBS				
111	33215	2020	605	CORNUS SERICEA (REDOSIER DOGWOOD) - 3.3 TYPE 3 - 18"-24" - WATER KEY D	EA	74		
112	33822	2020	605	RHODODENDRON VISCOSUM (SWAMP AZALEA) - 3.3 TYPE 2 - 18"-24" - WATER KEY D	EA	59		
113	34103	2020	605	VIBURNUM DENTATUM (SO. ARROW-WOOD VIBURNUM) - 3.3 TYPE 3 - 18"-24" - WATER KEY D	EA	70		
114	35143	2020	605	BUXUS SEMPERVIRENS (COMMON BOXWOOD) - 3.3 TYPE 3 - 18"-24" - WATER KEY D	EA	47		
115	35282	2020	605	ILEX GLABRA (INKBERRY) - 3.3 TYPE 2 - 18"-24" - WATER KEY D	EA	40		
116	N/A	2020	517	CAPHALANTHIS OCCIDENTALIS (BUTTONBUSH) - 3.3 TYPE 3 - 18"-24" - WATER KEY D	EA	64		
117	N/A	2020	517	LINDERA BENZOIN (SPICEBUSH) - 3.3 TYPE 3 - 18"-24" - WATER KEY D	EA	136		
118	N/A	2020	605	RHODODENDRON MAXIMUM (ROSEBAY RHODODENDRON) - 3.3 TYPE 3 - 18"-24" - WATER KEY D	EA	10		
119	N/A	2020	517	VACCINIUM CORYBOSUM (HIGHBUSH BLUEBERRY) - 3.3 TYPE 2 - 18"-24" - WATER KEY D	EA	76		
				BIORETENTION #1				
120	39004	2020	605	PANICUM VIGATUM (SWITCHGRASS) - SEED - WATER KEY F		35%		
121	39004	2020	605	ANDROPOGON GERARDII (BIG BLUESTEM) - SEED - WATER KEY F		30%		
122	39004	2020	605	SORGHASTRUM NUTANS (INDIAN GRASS) - SEED - WATER KEY F		25%		
123	39004	2020	605	EUPATORIUM PURPUREUM (JOE PYE WEEK) - SEED - WATER KEY F		5%		
124	39004	2020	605	PENSTEMON DIGITALIS (TALUS SLOPE PENSTEMON) - SEED - WATER KEY F		5%		
125	39004	2020	605	BIORETENTION MIX PLANTED AT 20LBS OF SEED PER ACRE - WATER KEY F	AC	0.164		
				LEVEL 1 WET POND ZONE 1				
126	39004	2020	605	VALISNERIA AMERICANA (WILD CELERY) - SEED - WATER KEY F		80%		
127	39004	2020	605	NYMPHAEA ORDORATA (AMERICAN WATER LILY) - SEED - WATER KEY F		20%		
128	39004	2020	605	WET POND MIX PLANTED AT 20LBS OF SEED PER ACRE - WATER KEY F	AC	0.045		
				LEVEL 1 WET POND ZONE 2				
129	39004	2020	605	LEERSIA ORYZOIDES (RICE CUTGRASS) - SEED - WATER KEY F		10%		
130	39004	2020	605	PELTANDRA VIRGINICA (ARROW ARUM) - SEED - WATER KEY F		30%		
131	39004	2020	605	POLYGONUM PUNTATUM (MARSH SMARTWEED) - SEED - WATER KEY F		15%		
132	39005	2020	605	PONTEDERIA CORDATA (PICKERELWEED) - SEED - WATER KEY F		25%		
133	39006	2020	605	SCIPUS PUNGENS (COMMON THREE SQUARE) - SEED - WATER KEY F		20%		
134	39004	2020	605	WET POND MIX PLANTED AT 20LBS OF SEED PER ACRE - WATER KEY F	AC	0.254		
				LEVEL 1 WET POND ZONE 3				
135	39004	2020	605	ALOPECURUS CAROLINIANUS (TUFTED FOXTAIL) - SEED - WATER KEY F		20%		

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136	39004	2020	605	SCIPUS VALIDUS (SOFT-STEM BULRUSH) - SEED - WATER KEY F		40%		
137	39004	2020	605	SOLIDAGO AUSTRINA (GOLDEN-ROD) - SEED - WATER KEY F		40%		
138	39004	2020	605	WET POND MIX PLANTED AT 20LBS OF SEED PER ACRE - WATER KEY F	AC	0.206		
				LEVEL 1 WET POND ZONE 4				
139	39004	2020	605	ALOPECURUS CAROLINIANUS (TUFTED FOXTAIL) - SEED - WATER KEY F		20%		
140	39004	2020	605	PANICUM VIGATUM (SWITCHGRASS) - SEED - WATER KEY F		20%		
141	39005	2020	605	ANDROPOGON VIRGINIANUS (BROOMSEDGE) - SEED - WATER KEY F		30%		
142	39006	2020	605	ELYMUS VIRGINICUS (VIRGINIA WILD RYE) - SEED - WATER KEY F		30%		
143	39004	2020	605	WET POND MIX PLANTED AT 20LBS OF SEED PER ACRE - WATER KEY F	AC	0.155		
				GENERAL LANDSCAPING				
144	27023	2020	602	TOPSOIL CLASS B 4"	CY	150		
145	28810	2020	605	SHREDDED HARDWOOD BARK MULCH - BEDS ONLY (EXCLUDES POND)	CY	150		
146	28820	2020	605	WATERING UNITS - SEEDED AREAS NOT INCLUDED (PER WATERING)	1000 GAL	5.4		
147	28850	2020	605	WEEDING ENTIRE PROJECT AREA	TIMES	5		
				WATER & SEWER				
148	24501	2020	PLAN/510	REMOVE EXISTING 12" DI WATER MAIN	LF	260		
149	24501	2020	PLAN/510	REMOVE EXISTING 24" DI WATER MAIN	LF	1270		
150	40061	2020	520	6" DI WATER MAIN	LF	40		
151	40081	2020	520	8" DI WATER MAIN	LF	328		
152	40121	2020	520	12" DI WATER MAIN	LF	35		
153	40241	2020	520	24" DI WATER MAIN	LF	1825		
154	40412	2020	520	24" BEND	EA	4		
155	40422	2020	520	BRANCH (6")	EA	4		
156	40422	2020	520	BRANCH (8")	EA	1		
157	40428	2020	520	BRANCH (24")	EA	1		
158	40460	2020	520	12" REDUCER	EA	1		
159	41006	2020	520	6" GATE VALVE & BOX	EA	2		
160	41008	2020	520	8" GATE VALVE & BOX	EA	1		
161	41012	2020	520	12" GATE VALVE & BOX	EA	1		
162	41028	2020	520	24" GATE VALVE & BOX	EA	5		
163	41104	2020	520	ADJUST. EXISTING VALVE BOX	EA	10		
164	41815	2020	520	BLOW-OFF VALVE & BOX	EA	3		
165	41820	2020	520	FIRE HYDRANT	EA	2		
166	41827	2020	510	ADJUST EXISTING FH	EA	2		
167	41840	2020	520	2" AIR RELEASE VALVE & BOX	EA	2		
168	42771	2020	520	RECONSTRUCT EXISTING SANITARY MANHOLE	LF	12		
169	45630	2020	520	54" ENCASMENT PIPE	LF	112		
170		2020	PLAN	CATHODIC PROTECTION TEST STATION	EA	1		
				EROSION & SEDIMENT CONTROL				
171	23600	2020	ATTD	REINFORCED SILT FENCE (SSF)	LF	6867		
172	23600	2020	ATTD	TREE PROTECTION	LF	2123		
173		2020	303	CONSTRUCTION ENTRANCE	EA	3		
174	27334	2020	ATTD	TEMPORARY VEHICULAR WATERCOURSE CROSSING	EA	1		
175	27345	2020	303	TEMPORARY DIVERSION DIKE	LF	4572		
176	27410	2020	303	CHECK DAM, ROCK TY. I	EA	24		
177	27422	2020	303	DEWATERING BASIN	EA	2		
178	27451	2020	303	INLET PROTECTION, TYPE A	EA	13		
179	27461	2020	303	INLET PROTECTION, TYPE B	EA	72		
180	27505	2020	303	TEMP. SILT FENCE	LF	4118		
181	27580	2020	303	TEMP. SEDIMENT BASIN EXCAV.	CY	2300		
182	27580	2020	303	TEMP. SEDIMENT TRAP EXCAV.	CY	1835		

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SIGNAGE								
183	50108	2020	701	SIGN PANEL	SF	665		
184	50430	2020	700	SIGN POST STP-1 - 2"	LF	950		
185	51951	2020	510	SIGN POST - INSTALLED COMPLETE AND IN-PLACE	EA	77		
PAVEMENT MARKING								
186	54032	2020	704	TY.B CL.I PAVE. LINE MARK. 4"	LF	32593		
187	54034	2020	704	TY.B CL.I PAVE. LINE MARK. 6"	LF	1179		
188	54037	2020	704	TY.B CL.I PAVE. LINE MARK. 8"	LF	1133		
189	54042	2020	704	TY.B CL.I PAVE. LINE MARK. 24"	LF	2047		
190	54075	2020	704	TY.B CL.VI PAVE. LINE MARK. 4"	LF	906		
191	54300	2020	704	PAVE. MESS. MARK. ELONG. ARROW SIN	EA	53		
192	54310	2020	704	PAVE. MESS. MARK. ELONG. ARROW DOU	EA	2		
193	54400	2020	704	PAVE. MESS. MARK."ONLY"	EA	10		
194	54510	2020	704	CONSTR. PAVE. MARK. TY.D CL.I - 4"	LF	14239		
BRIDGE								
195	60404	2020	404	CONCRETE CLASS A4	CY	656		
196	60450	2020	316	CONC. CL. A4 BRIDGE APPR. SLAB	CY	121.9		
197	60452	2020	316	REINF. STEEL BRIDGE APPR. SLAB	LB	25370		
198	60490	2020	404	BRIDGE DECK GROOVING	SY	1311		
199	61269	2020	405	PREST.CONC.BEAM,BULB-T77"DPTH +140'-150'	EA	16		
200	61712	2020	406	CORROSION RESISTANT REINF.STEEL CL. II	LB	141540		
201	62004	2020	ATTD	ARCHITECTURAL TREATMENT	SY	164		
202	62034	2020	410	RAILING, CPSR 2 RAIL	LF	310		
203	62035	2020	410	RAILING, CPSR 3 RAIL	LF	310		
204	62491	2020	421	ELASTOMERIC EXP. DAM 0" TO 2"	LF	151		
205	64011	2020	401	STRUCTURE EXCAVATION	CY	2771		
206	64015	2020	401	SELECT BACKFILL ABUTMENT ZONE	TON	12728		
207	64032	2020	401	GEOCOMPOSITE WALL DRAIN	SY	709.00		
208	64036	2020	401	PIPE UNDERDRAIN 6"	LF	836		
209	65013	2020	404	CONCRETE CLASS A3	CY	3384		
210	65200	2020	406	REINF. STEEL	LB	273460		
211	66238	2020	414	DRY RIPRAP CL.II 38"	SY	2340		
212	67400	2020	ATTD	DECK DRAINAGE SYSTEM	LS	1		
SIGNALIZATION - ROUTE 50								
GENERAL								
213	103	2020	ATTD	NS LABOR & EQUIPMENT	PER/DAY	10		
214	56205	2020	700	TEST BORE AND FOUNDATION DESIGN	EA	4		
POLES AND FOUNDATIONS								
215	51212	2020	700	PF-2 PEDESTAL POLE, 12 FOOT	EA	4		
216	51238	2020	700	CONCRETE FOUNDATION (SIGNAL)	CY	24		
217	51240	2020	700	CONCRETE FOUNDATION (PEDESTAL POLE)	EA	4		
218	51425	2020	700	NS SIGNAL POLE	EA	4		
219	51491	2020	700	MAST ARM 75 FOOT	EA	4		
220	51499	2020	700	INSTALL MAST ARM	EA	4		
CONTROLLER								
221	51137	2020	510	FURNISH & INSTALL 2070 ATC CONTROLLER & CABINET	EA	1		
222	51247	2020	700	CONCRETE FOUNDATION CF-3 (CONTROLLER)	EA	1		
223		2020		WIRE (SETUP) NEW CONTROLLER	EA	1		
224	51993	2020	703	FURNISH & INSTALL UNINTERRUPTABLE POWER SUPPLY	EA	1		
SIGNALS, SIGNS, & DETECTORS								
225	50108	2020	701	SIGN PANEL	SF	220		
226	51184	2020	703	TRAFFIC SIGNAL SECTION 12" LED	EA	38		
227	51185	2020	703	TRAFFIC SIGNAL HOUSING W/ RETRO-REFLECTIVE BACKPLATE (3-SECTION)	EA	10		

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228	51185	2020	703	TRAFFIC SIGNAL HOUSING W/ RETRO-REFLECTIVE BACKPLATE (4-SECTION)	EA	2		
229	51198	2020	703	PEDESTRIAN PUSH BUTTON (APS)	EA	4		
230	51526	2020	703	EMERGENCY PREEMPTION RECEIVER MODULE	EA	4		
231	51526	2020	703	EMERGENCY PREEMPTION INTERFACE EQUIPMENT	EA	4		
232	51824	2020	703	HANGER ASSEMBLY	EA	36		
233	52404	2020	703	LED COUNTDOWN PEDESTRIAN SIGNAL HEAD	EA	4		
				CONDUIT, CONDUCTORS, & ELECTRICAL				
234	51600	2020	700	#14 AWG 2 CONDUCTOR CABLE (PUSH BUTTONS)	LF	1020		
235	51616	2020	700	16/4C GTT OPTICOM CONTROL CABLE	LF	700		
236	51700	2020	700	#14 2 CONDUCTOR CABLE SHIELDED (LOOPS)	LF	9379		
237	51707	2020	700	#14 AWG 7 CONDUCTOR CABLE (SIGNALS)	LF	3205		
238	51720	2020	700	CAT 6E (S) OUTDOOR NETWORK CABLE	25 LF	15		
239	51913	2020	703	SAW CUT	LF	1743		
240	55060	2020	700	#6 AWG 3 ELECTRICAL SERVICE CABLE	LF	30		
241	55060	2020	700	#6 AWG CONDUCTOR CABLE (SYSTEM GROUNDING)	LF	845		
242	55586	2020	700	JB-S1	EA	1		
243	55587	2020	700	JB-S2	EA	22		
244	55588	2020	700	JB-S3	EA	1		
245	56014	2020	700	TRAFFIC SIGNALIZATION GROUND ROD (10 FT)	EA	33		
246	56021	2020	700	1 INCH PVC CONDUIT	LF	5		
247	56022	2020	700	1 INCH METAL CONDUIT	LF	160		
248	56026	2020	700	1-1/4 INCH METAL CONDUIT	LF	5		
249	56042	2020	700	5 INCH PVC CONDUIT	LF	25		
250	56052	2020	700	4 INCH BORED CONDUIT	LF	150		
251	56053	2020	700	2 INCH PVC CONDUIT	LF	245		
252	56054	2020	700	3 INCH PVC CONDUIT	LF	960		
253	56055	2020	700	4 INCH PVC CONDUIT	LF	225		
254	56200	2020	700	TRENCH EXCAVATION	LF	1625		
				SIGNALIZATION - TALL CEDARS PARKWAY				
				GENERAL				
255	103	2020	ATTD	NS LABOR & EQUIPMENT	PER/DAY	10		
256	56205	2020	700	TEST BORE AND FOUNDATION DESIGN	EA	3		
				POLES AND FOUNDATIONS				
257	51212	2020	700	PF-2 PEDESTAL POLE, 12 FOOT	EA	6		
258	51238	2020	700	CONCRETE FOUNDATION (SIGNAL)	CY	18		
259	51240	2020	700	CONCRETE FOUNDATION (PEDESTAL POLE)	EA	6		
260	51425	2020	700	SIGNAL POLE	EA	3		
261	51488	2020	700	MAST ARM 60 FOOT	EA	1		
262	51489	2020	700	MAST ARM 65 FOOT	EA	2		
263	51499	2020	700	INSTALL MAST ARM	EA	3		
				CONTROLLER				
264	51137	2020	510	FURNISH & INSTALL 2070 CONTROLLER & CABINET	EA	1		
265	51247	2020	700	CONCRETE FOUNDATION CF-3 (CONTROLLER)	EA	1		
266		2020		WIRE (SETUP) NEW CONTROLLER	EA	1		
267	51993	2020	703	FURNISH & INSTALL UNINTERRUPTABLE POWER SUPPLY	EA	1		
				SIGNALS, SIGNS, & DETECTORS				
268	50108	2020	701	SIGN PANEL	SF	120		
269	51184	2020	703	TRAFFIC SIGNAL SECTION 12" LED	EA	28		
270	51185	2020	703	TRAFFIC SIGNAL HOUSING W/ RETRO-REFLECTIVE BACKPLATE (3-SECTION)	EA	5		
271	51185	2020	703	TRAFFIC SIGNAL HOUSING W/ RETRO-REFLECTIVE BACKPLATE (4-SECTION)	EA	2		
272	51185	2020	703	TRAFFIC SIGNAL HOUSING W/ RETRO-REFLECTIVE BACKPLATE (5-SECTION)	EA	1		

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BID ITEMS

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Item	Item ID	Spec Year	Specification	Description	Units	Quantity	Unit Price	Total Cost
273	51198	2020	703	PEDESTRIAN PUSH BUTTON (APS)	EA	8		
274	51526	2020	703	EMERGENCY PREEMPTION RECEIVER MODULE	EA	3		
275	51526	2020	703	EMERGENCY PREEMPTION INTERFACE EQUIPMENT	EA	3		
276	51824	2020	703	HANGER ASSEMBLY	EA	23		
277	52404	2020	703	LED COUNTDOWN PEDESTRIAN SIGNAL HEAD	EA	8		
				CONDUIT, CONDUCTORS, & ELECTRICAL				
278	51600	2020	700	#14 AWG 2 CONDUCTOR CABLE (PUSH BUTTONS)	LF	1015		
279	51616	2020	700	16/4C GTT OPTICOM CONTROL CABLE	LF	385		
280	51700	2020	700	#14 2 CONDUCTOR CABLE SHIELDED (LOOPS)	LF	5397		
281	51707	2020	700	#14 AWG 7 CONDUCTOR CABLE (SIGNALS)	LF	2225		
282	51913	2020	700	SAW CUT	LF	1379		
283	55060	2020	700	#6 AWG 3 ELECTRICAL SERVICE CABLE	LF	15		
284	55060	2020	700	#6 AWG CONDUCTOR CABLE (SYSTEM GROUNDING)	LF	730		
285	55586	2020	700	JB-S1	EA	1		
286	55587	2020	700	JB-S2	EA	14		
287	55588	2020	700	JB-S3	EA	1		
288	56014	2020	700	TRAFFIC SIGNALIZATION GROUND ROD (10 FT)	EA	26		
289	56021	2020	700	1 INCH PVC CONDUIT	LF	5		
290	56022	2020	700	1 INCH METAL CONDUIT	LF	80		
291	56026	2020	700	1-1/4 INCH METAL CONDUIT	LF	5		
292	56052	2020	700	4 INCH BORED CONDUIT	LF	290		
293	56053	2020	700	2 INCH PVC CONDUIT	LF	415		
294	56054	2020	700	3 INCH PVC CONDUIT	LF	745		
295	56055	2020	700	4 INCH PVC CONDUIT	LF	40		
296	56200	2020	700	TRENCH EXCAVATION	LF	1290		
				SIGNALIZATION - MARRWOOD				
				GENERAL				
297	103	2020	ATTD	NS LABOR & EQUIPMENT	PER/DAY	10		
298	56205	2020	700	TEST BORE AND FOUNDATION DESIGN	EA	2		
				POLES AND FOUNDATIONS				
299	51212	2020	700	PF-2 PEDESTAL POLE, 12 FOOT	EA	4		
300	51238	2020	700	CONCRETE FOUNDATION (SIGNAL)	CY	12		
301	51240	2020	700	CONCRETE FOUNDATION (PEDESTAL POLE)	EA	4		
302	51425	2020	700	SIGNAL POLE	EA	2		
303	51488	2020	700	MAST ARM 60 FOOT	EA	1		
304	51489	2020	700	MAST ARM 65 FOOT	EA	1		
305	51499	2020	700	INSTALL MAST ARM	EA	3		
				CONTROLLER				
306	51137	2020	510	FURNISH & INSTALL 2070 CONTROLLER & CABINET	EA	1		
307	51247	2020	700	CONCRETE FOUNDATION CF-3 (CONTROLLER)	EA	1		
308		2020		WIRE (SETUP) NEW CONTROLLER	EA	1		
309	51993	2020	703	FURNISH & INSTALL UNINTERRUPTABLE POWER SUPPLY	EA	1		
				SIGNALS, SIGNS, & DETECTORS				
310	50108	2020	701	SIGN PANEL	SF	120		
311	51184	2020	703	TRAFFIC SIGNAL SECTION 12" LED	EA	26		
312	51185	2020	703	TRAFFIC SIGNAL HOUSING W/ RETRO-REFLECTIVE BACKPLATE (3-SECTION)	EA	6		
313	51185	2020	703	TRAFFIC SIGNAL HOUSING W/ RETRO-REFLECTIVE BACKPLATE (4-SECTION)	EA	2		
314	51198	2020	703	PEDESTRIAN PUSH BUTTON (APS)	EA	4		
315	51526	2020	703	EMERGENCY PREEMPTION RECEIVER MODULE	EA	3		
316	51526	2020	703	EMERGENCY PREEMPTION INTERFACE EQUIPMENT	EA	3		
317	51824	2020	703	HANGER ASSEMBLY	EA	24		

Northstar Boulevard

BID ITEMS

3/25/2021



Item	Item ID	Spec Year	Specification	Description	Units	Quantity	Unit Price	Total Cost
318	52404	2020	703	LED COUNTDOWN PEDESTRIAN SIGNAL HEAD	EA	4		
				CONDUIT, CONDUCTORS, & ELECTRICAL				
319	51600	2020	700	#14 AWG 2 CONDUCTOR CABLE (PUSH BUTTONS)	LF	680		
320	51616	2020	700	16/4C GTT OPTICOM CONTROL CABLE	LF	275		
321	51700	2020	700	#14 2 CONDUCTOR CABLE SHIELDED (LOOPS)	LF	4746		
322	51707	2020	700	#14 AWG 7 CONDUCTOR CABLE (SIGNALS)	LF	1175		
323	51913	2020	700	SAW CUT	LF	1152		
324	55060	2020	700	#6 AWG 3 ELECTRICAL SERVICE CABLE	LF	15		
325	55060	2020	700	#6 AWG CONDUCTOR CABLE (SYSTEM GROUNDING)	LF	600		
326	55586	2020	700	JB-S1	EA	1		
327	55587	2020	700	JB-S2	EA	10		
328	55588	2020	700	JB-S3	EA	1		
329	56014	2020	700	TRAFFIC SIGNALIZATION GROUND ROD (10 FT)	EA	20		
330	56021	2020	700	1 INCH PVC CONDUIT	LF	5		
331	56022	2020	700	1 INCH METAL CONDUIT	LF	105		
332	56026	2020	700	1-1/4 INCH METAL CONDUIT	LF	5		
333	56052	2020	700	4 INCH BORED CONDUIT	LF	210		
334	56053	2020	700	2 INCH PVC CONDUIT	LF	275		
335	56054	2020	700	3 INCH PVC CONDUIT	LF	535		
336	56055	2020	700	4 INCH PVC CONDUIT	LF	10		
337	56200	2020	700	TRENCH EXCAVATION	LF	935		
				MISC. BID ITEMS				
338	02090	2020	302/ATTD	NS - 15" HDPE	LF	344		
339	02092	2020	PLAN	NS - POND WEIR STRUCTURE	EA	1		
340	02112	2020	302/ATTD	NS - DRAIN BASIN - NB8	EA	2		
341	13212	2020	503	ROW MONUMENTS (RM-2)	EA	51		
342	22677	2020	507/PLAN	GATE FE - CL, LE=14' (POND ACCESS - BAR GATE - UNIT COST SHALL INCLUDE ALL PARTS, MATERIALS, FABICATION, AND LABOR FOR INSTALLATION; COMPLETE AND IN-PLACE.)	EA	3		

Total Construction
Estimate =