

ENGINEER'S ESTIMATE

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ITEM NO.	ITEM	UNIT	PROJECT QUANTITY	UNIT COST	TOTAL COST
BASE BID - DOWNLIGHTING AND RETAINING WALLS ONLY					
101-1	Mobilization (4%)	LS	1	\$ 148,694.40	\$ 148,690.00
102-1	Maintenance of Traffic (4%)	LS	1	\$ 148,694.40	\$ 148,690.00
104-18	Inlet Protection System	EA	97	\$ 120.00	\$ 11,640.00
110-1-1	Clearing & Grubbing	AC	0.26	\$ 8,939.71	\$ 2,320.00
570-1-2	Performance Turf, Sod	SY	1,261	\$ 3.00	\$ 3,780.00
630-2-11	Conduit, Open Trench, PVC, 2"	LF	3,270	\$ 7.00	\$ 22,900.00
630-2-12	Conduit, Directional Bore, HDPE, 2" - 2.5"	LF	2,355	\$ 21.00	\$ 49,460.00
630-2-15A	Conduit, F&I, Bridge Mount, PVC, 2"	LF	44,170	\$ 8.00	\$ 353,360.00
630-2-15B	Conduit, F&I, Bridge Mount, PVC, 2.5"	LF	2,145	\$ 20.00	\$ 42,900.00
630-2-15C	Conduit, F&I, Bridge Mount, Rigid Metal, 0.5"	LF	1,315	\$ 5.00	\$ 6,580.00
630-2-15D	Conduit, F&I, Bridge Mount, Rigid Metal, 1"	LF	1,315	\$ 10.00	\$ 13,150.00
630-2-15E	Conduit, F&I, Bridge Mount, Rigid Metal, 2"	LF	7,948	\$ 22.00	\$ 174,860.00
630-2-15F	Conduit, F&I, Bridge Mount, Rigid Metal, 2.5"	LF	240	\$ 25.00	\$ 6,000.00
633-1-121	Fiber Optic Cable, F&I, Underground, 12 Fibers	LF	1,695	\$ 3.50	\$ 5,930.00
633-2-31	Fiber Optic Connection, Install, Splice	EA	80	\$ 50.00	\$ 4,000.00
633-2-32	Fiber Optic Connection, Install, Termination	EA	240	\$ 90.00	\$ 21,600.00
633-3-11	Fiber Optic Connection Hardware, F&I, Splice Enclosure	EA	20	\$ 700.00	\$ 14,000.00
633-3-14	Fiber Optic Connection Hardware, F&I, Buffer Tube Fan Out Kit	EA	20	\$ 102.19	\$ 2,040.00
633-3-16	Fiber Optic Connection Hardware, F&I, Patch Panel - Field Terminated	EA	20	\$ 1,500.00	\$ 30,000.00
633-5-1	DMX Cable, F&I	LF	86,436	\$ 1.40	\$ 121,010.00
635-2-11	Pull & Splice Box, F&I, 13"x24" Cover Size	EA	31	\$ 650.00	\$ 20,150.00
635-3-12A	Junction Box, F&I, Mounted, 6" x 6" x 4"	EA	40	\$ 200.00	\$ 8,000.00
635-3-12B	Junction Box, F&I, Mounted, 12" x 12" x 4"	EA	305	\$ 300.00	\$ 91,500.00
639-1-121	Electrical Power Service, F&I, Underground, Meter furnished by Power Company	AS	11	\$ 4,500.00	\$ 49,500.00
639-2-1	Electrical Service Wire, F&I	LF	1,410	\$ 6.00	\$ 8,460.00
639-3-11	Electrical Service Disconnect, F&I, Pole Mount	EA	20	\$ 850.00	\$ 17,000.00
639-6-1	Electrical Power Service - Step Down Transformer F&I	EA	20	\$ 1,500.00	\$ 30,000.00
676-2-111	ITS Cabinet, F&I	EA	20	\$ 2,500.00	\$ 50,000.00
676-2-900	ITS Cabinet H-Frame, F&I	EA	20	\$ 400.00	\$ 8,000.00
684-1-1	Managed Field Ethernet Switch, F&I	EA	20	\$ 3,000.00	\$ 60,000.00
684-9-1	Pharos Lighting Playback Controller (LPC 4)	EA	1	\$ 12,000.00	\$ 12,000.00
684-9-2	Pathport 4-Port DMX/RDM Gateway #1014	EA	52	\$ 850.00	\$ 44,200.00
684-9-3	Outdoor Link System (OLSF7)	EA	672	\$ 70.00	\$ 47,040.00
684-9-4	Outdoor Link System (OLSLX1)	EA	375	\$ 10.00	\$ 3,750.00
684-9-5	Outdoor Link System (OLST)	EA	200	\$ 10.00	\$ 2,000.00
715-1-11	Lighting Conductors, F&I, Insulated, No. 10 or <	LF	200	\$ 1.00	\$ 200.00
715-1-12	Lighting Conductors, F&I, Insulated, No. 8-6	LF	83,124	\$ 1.25	\$ 103,910.00
715-1-13	Lighting Conductors, F&I, Insulated, No. 4-2	LF	168,536	\$ 1.70	\$ 286,510.00
715-1-60	Lighting Conductors, Remove & Dispose, Contractor Owns	LF	53,415	\$ 0.50	\$ 26,710.00
715-4-70	Light Pole Complete, Remove	EA	227	\$ 400.00	\$ 90,800.00
715-5-41A	Luminaire Bracket Arm - Powder Coated, Type 1A, F&I	EA	628	\$ 450.00	\$ 282,600.00
715-5-41B	Luminaire Bracket Arm - Powder Coated, Type 1B, F&I	EA	6	\$ 475.00	\$ 2,850.00
715-5-42	Luminaire Bracket Arm - Powder Coated, Type 2, F&I	EA	634	\$ 700.00	\$ 443,800.00
715-5-43	Luminaire Bracket Arm - Powder Coated, Type 3, F&I	EA	116	\$ 475.00	\$ 55,100.00
715-5-44	Luminaire Bracket Arm - Powder Coated, Type 4, F&I	EA	224	\$ 450.00	\$ 100,800.00
715-5-45	Luminaire Bracket Arm - Powder Coated, Type 5, F&I	EA	26	\$ 2,200.00	\$ 57,200.00
715-7-11	Load Center, F&I, Secondary Voltage	EA	11	\$ 11,000.00	\$ 121,000.00
715-12-111A	Dyna Drum HO Color, QW RGBW, F&I (DDJ-221-ACHN)	EA	21	\$ 2,388.00	\$ 50,150.00
715-12-111B	Dyna Drum SO, RGBW, F&I (DDE-221-AALN)	EA	460	\$ 1,440.00	\$ 662,400.00
715-12-123B	Dyna Drum SO Color, Spread Lens, 60° F&I (DDSSL60)	EA	3	\$ 200.00	\$ 600.00
715-12-124	Dyna Drum HO Color, Spread Lens, 10°X60° F&I (DDHSL1060)	EA	21	\$ 200.00	\$ 4,200.00
715-12-124B	Dyna Drum SO Color, Spread Lens, 10°X60° F&I (DDSSL1060)	EA	457	\$ 200.00	\$ 91,400.00
	Base Bid Subtotal (Excludes Mobilization and MOT)				\$ 3,717,360.00
	Mobilization and MOT				\$ 297,380.00
	Estimate Subtotal				\$ 4,014,740.00
	Contingency (5%)				\$ 200,700.00
	Base Bid Grand Total				\$ 4,215,440.00

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ITEM NO.	ITEM	UNIT	PROJECT QUANTITY	UNIT COST	TOTAL COST
BID ALTERNATE - UPLIGHTING					
101-1	Mobilization (4%) **	LS	1	\$ 99,805.20	\$ 99,810.00
102-1	Maintenance of Traffic (4%) **	LS	1	\$ 99,805.20	\$ 99,810.00
684-9-3	Outdoor Link System (OLSFX7)	EA	1,105	\$ 70.00	\$ 77,350.00
684-9-4	Outdoor Link System (OLSLX1)	EA	1,056	\$ 10.00	\$ 10,560.00
715-12-111A	Dyna Drum HO Color, QW RGBW, F&I (DDJ-221-ACHN)	EA	686	\$ 2,388.00	\$ 1,638,170.00
715-12-111B	Dyna Drum SO, RGBW, F&I (DDE-221-AALN)	EA	400	\$ 1,440.00	\$ 576,000.00
715-12-123B	Dyna Drum SO Color, Spread Lens, 60° F&I (DDSSL60)	EA	58	\$ 200.00	\$ 11,600.00
715-12-124	Dyna Drum HO Color, Spread Lens, 10°X60° F&I (DDHSL1060)	EA	686	\$ 200.00	\$ 137,200.00
715-12-132	Dyna Drum HO Color, Half Snoot (DDH2HSG)	EA	1,029	\$ 43.00	\$ 44,250.00
	Bid Alternate Subtotal (Excludes Mobilization and MOT)				\$ 2,495,130.00
	Mobilization and MOT				\$ 199,620.00
	Estimate Subtotal				\$ 2,694,750.00
	Contingency (5%)				\$ 134,700.00
	Bid Alternate Grand Total				\$ 2,829,450.00
	Base Bid + Bid Alternate Total				\$ 7,044,890.00

**Bid Alternate assumes contractor would need to mobilize and maintain traffic a second time to complete work.