

Engineers Cost Estimate

	Item No.	Item	Unit	Unit Cost	Quantity	Extended Cost	Unit Bid	Total Bid	Unit Bid	Total Bid	
	202-00828	Removal of Traffic Signal Equipment	LS	\$16,500.00	1	\$16,500	\$ 17,820.00	\$ 17,820.00	\$ 10,000.00	\$ 10,000.00	
	203-01598	Potholing	EA	\$165.00	30	\$4,950	\$ 850.00	\$ 25,500.00	\$ 275.00	\$ 8,250.00	
	208-00002	Erosion Log (12-inch)	EA	\$5.50	30	\$165	\$ 265.00	\$ 7,950.00	\$ 40.00	\$ 1,200.00	
	208-00045	Concrete Washout Structure	EA	\$77.00	3	\$231	\$ 920.00	\$ 2,760.00	\$ 200.00	\$ 600.00	
	208-00050	Storm Drain Inlet Protection	EA	\$426.53	15	\$6,398	\$ 395.00	\$ 5,925.00	\$ 250.00	\$ 3,750.00	
	208-00205	Erosion Control Supervisor	HR	\$88.00	20	\$1,760	\$ 220.00	\$ 4,400.00	\$ 100.00	\$ 2,000.00	
	210-00848	Reset Traffic Signal Controller and Cabinet	EA	\$2,948.00	3	\$8,844	\$ 2,145.00	\$ 6,435.00	\$ 1,200.00	\$ 3,600.00	
	503-00136	Drilled Caisson (36 Inch)	EA	\$4,389.00	11	\$48,279	\$ 3,575.00	\$ 39,325.00	\$ 2,300.00	\$ 25,300.00	
	608-00000	Concrete Sidewalk (6-inch thick)	SY	\$49.50	6	\$297	\$ 365.00	\$ 2,190.00	\$ 125.00	\$ 750.00	
	613-01200	2" Electrical Conduit (Plastic)	LF	\$18.70	1,175	\$21,973	\$ 21.00	\$ 24,675.00	\$ 13.25	\$ 15,568.75	
	613-01300	3" Electrical Conduit (Plastic)	LF	\$20.90	2,225	\$46,503	\$ 29.00	\$ 64,525.00	\$ 15.25	\$ 33,931.25	
	613-07000	Pull Box (Special)	EA	\$440.00	6	\$2,640	\$ 860.00	\$ 5,160.00	\$ 520.00	\$ 3,120.00	
	613-10000	Wiring	LS	\$8,800.00	1	\$8,800	\$ 18,249.00	\$ 18,249.00	\$ 22,000.00	\$ 22,000.00	
	613-32350	Light Standard Steel (35 foot)	EA	\$6,050.00	1	\$6,050	\$ 4,675.00	\$ 4,675.00	\$ 4,400.00	\$ 4,400.00	
	613-40010	Light Standard Foundation	EA	\$1,320.00	1	\$1,320	\$ 4,180.00	\$ 4,180.00	\$ 1,245.00	\$ 1,245.00	
	613-70250	Luminaire HPS (250 Watt)	EA	\$1,210.00	12	\$14,520	\$ 610.00	\$ 7,320.00	\$ 1,480.00	\$ 17,760.00	
	614-00011	Sign Panel (Class 1)	SF	\$29.70	189	\$5,613	\$ 4.00	\$ 756.00	\$ 31.00	\$ 5,859.00	
	614-03101	Traffic Signal Cabinet Base (Concrete)	EA	\$7,150.00	3	\$21,450	\$ 1,100.00	\$ 3,300.00	\$ 750.00	\$ 2,250.00	
	614-70117	Pedestrian Signal Face (16)	EA	\$748.00	24	\$17,952	\$ 638.00	\$ 15,312.00	\$ 575.00	\$ 13,800.00	
	614-70336	Traffic Signal Face (12-12-12)	EA	\$1,067.00	51	\$54,417	\$ 803.00	\$ 40,953.00	\$ 890.00	\$ 45,390.00	
	614-70560	Traffic Signal Face (12-12-12-12-12)	EA	\$1,650.00	2	\$3,300	\$ 1,160.00	\$ 2,320.00	\$ 1,300.00	\$ 2,600.00	
	614-72860	Pedestrian Push Button	EA	\$187.00	12	\$2,244	\$ 316.00	\$ 3,792.00	\$ 290.00	\$ 3,480.00	
	614-72866	Fire Preemption Unit and Timer	EA	\$4,180.00	3	\$12,540	\$ 7,354.00	\$ 22,062.00	\$ 6,850.00	\$ 20,550.00	
	614-72875	Loop Detector Wire	LF	\$2.75	1,050	\$2,888	\$ 3.00	\$ 3,150.00	\$ 6.00	\$ 6,300.00	
	614-72886	Intersection Detection System (Camera)	EA	\$22,000.00	2	\$44,000	\$ 7,035.00	\$ 14,070.00	\$ 19,000.00	\$ 38,000.00	
	614-81010	Traffic Signal-Light Pole Steel (1-Mast Arm)	EA	\$10,230.00	10	\$102,300	\$ 13,920.00	\$ 139,200.00	\$ 19,150.00	\$ 191,500.00	
	614-81020	Traffic Signal-Light Pole Steel (2-Mast Arm)	EA	\$13,200.00	1	\$13,200	\$ 21,782.00	\$ 21,782.00	\$ 26,000.00	\$ 26,000.00	
	614-86105	Telemetry (Field)	EA	\$440.00	2	\$880	\$ 4,560.00	\$ 9,120.00	\$ 2,200.00	\$ 4,400.00	
	614-87413	Fiber Optic Cable (Composite) (6-SM, 6-MM)	LF	\$6.60	375	\$2,475	\$ 2.00	\$ 750.00	\$ 8.00	\$ 3,000.00	
	626-00000	Mobilization	LS	\$33,000.00	1	\$33,000	\$ 40,000.00	\$ 40,000.00	\$ 23,000.00	\$ 23,000.00	
	627-00070	Preformed Thermoplastic Pavement Marking (60 Mils)	SF	\$10.45	2,390	\$24,976	\$ 12.00	\$ 28,680.00	\$ 15.00	\$ 35,850.00	
	630-00000	Flagging	HR	\$26.51	20	\$530	\$ 30.00	\$ 600.00	\$ 36.00	\$ 720.00	
	630-00003	Uniform Traffic Control	HR	\$59.13	12	\$710	\$ 100.00	\$ 1,200.00	\$ 140.00	\$ 1,680.00	
	630-00012	Traffic Control Management	DAY	\$1,460.80	25	\$36,520	\$ 765.00	\$ 19,125.00	\$ 760.00	\$ 19,000.00	
	630-80335	Barricade (Type 3M-A)(Temporary)	EA	\$172.70	3	\$518	\$ 100.00	\$ 300.00	\$ 150.00	\$ 450.00	
	630-80336	Barricade (Type 3M-B)(Temporary)	EA	\$200.26	2	\$401	\$ 100.00	\$ 200.00	\$ 150.00	\$ 300.00	
	630-80341	Construction Traffic Sign (Panel Size A)	EA	\$84.21	8	\$674	\$ 50.00	\$ 400.00	\$ 80.00	\$ 640.00	
	630-80342	Construction Traffic Sign (Panel Size B)	EA	\$101.20	12	\$1,214	\$ 100.00	\$ 1,200.00	\$ 140.00	\$ 1,680.00	
	630-80344	Construction Traffic Sign (Special)	SF	\$30.03	36	\$1,081	\$ 20.00	\$ 720.00	\$ 30.00	\$ 1,080.00	
	630-80355	Portable Message Sign Panel	EA	\$6,014.53	1	\$6,015	\$ 4,500.00	\$ 4,500.00	\$ 6,500.00	\$ 6,500.00	
	630-80358	Advanced Warning Flashing or Sequencing Arrow Panel (C Type)	EA	\$2,700.50	1	\$2,701	\$ 4,200.00	\$ 4,200.00	\$ 1,400.00	\$ 1,400.00	
	630-80360	Drum Channelizing Device	EA	\$39.33	50	\$1,967	\$ 40.00	\$ 2,000.00	\$ 58.00	\$ 2,900.00	
	630-80380	Traffic Cone	EA	\$10.67	100	\$1,067	\$ 10.00	\$ 1,000.00	\$ 17.00	\$ 1,700.00	
	700-70010	F/A Minor Contract Revisions	FA	\$10,000.00	1	\$10,000	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	
	700-70380	F/A Erosion Control	FA	\$500.00	1	\$500	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	
	700-70589	F/A Environmental Health and Safety Management	FA	\$2,500.00	1	\$2,500	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	
	700-73351	F/A Obtain Power from Xcel Energy	FA	\$15,000.00	1	\$15,000	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	
	Total Project Construction Cost						\$596,859		\$ 649,781.00		\$ 641,504.00