

**2018 Directional Boring Master On-Call  
Contract # 201844649**

2018 Directional Boring Master On-Call Contract # 201844649		Engineer's Estimate					Colorado Boring Great American Insurance Co.		Global Underground Corp. Employers Mutual Casualty Co.	
		Unit Short	Unit Cost	QUANTITY	Estimated Cost	Unit Long	Unit Bid Cost	Total Bid Item	Unit Bid Cost	Total Bid Item
202-00200	Removal of Sidewalk	SF	\$ 15.00	6000	\$ 90,000.00	SQUARE FOOT	\$ 15.00	\$ 90,000.00	\$ 25.00	\$ 150,000.00
202-00220	Removal of Asphalt Mat	SF	\$ 10.00	600	\$ 6,000.00	SQUARE FOOT	\$ 10.00	\$ 6,000.00	\$ 30.00	\$ 18,000.00
202-00856	Removal of Traffic signal cabinet base	EA	\$ 400.00	10	\$ 4,000.00	EACH	\$ 350.00	\$ 3,500.00	\$ 1,850.00	\$ 18,500.00
203-01597	Potholing	EA	\$ 200.00	1700	\$ 340,000.00	EACH	\$ 165.00	\$ 280,500.00	\$ 285.00	\$ 484,500.00
208-00002	Erosion Log (12 Inch)	LF	\$ 5.00	1300	\$ 6,500.00	LINEAR FOOT	\$ 4.50	\$ 5,850.00	\$ 6.25	\$ 8,125.00
208-00045	Concrete Washout Structure	EA	\$ 200.00	50	\$ 10,000.00	EACH	\$ 25.00	\$ 1,250.00	\$ 625.00	\$ 31,250.00
208-00050	Storm Drain Inlet Protection	EA	\$ 50.00	200	\$ 10,000.00	EACH	\$ 45.00	\$ 9,000.00	\$ 310.00	\$ 62,000.00
208-00205	Erosion Control Supervisor	HR	\$ 75.00	125	\$ 9,375.00	HOURLY RATE	\$ 45.00	\$ 5,625.00	\$ 75.00	\$ 9,375.00
211-03005	Dewatering	EA	\$ 500.00	140	\$ 70,000.00	EACH	\$ 900.00	\$ 126,000.00	\$ 50.00	\$ 7,000.00
212-01200	Landscape Restoration	SF	\$ 5.00	6000	\$ 30,000.00	SQUARE FOOT	\$ 1.80	\$ 10,800.00	\$ 4.50	\$ 27,000.00
403-00721	Hot Mix Asphalt ( Patching) (Asphalt)	SY	\$ 40.00	120	\$ 4,800.00	SQUARE YARD	\$ 14.00	\$ 1,680.00	\$ 74.00	\$ 8,880.00
604-39050	Manhole(Type A)(6'x6')	EA	\$ 6,000.00	2	\$ 12,000.00	EACH	\$ 3,500.00	\$ 7,000.00	\$ 8,000.00	\$ 16,000.00
607-11525	Fence (Plastic)	LF	\$ 50.00	6000	\$ 300,000.00	LINEAR FOOT	\$ 4.50	\$ 27,000.00	\$ 4.00	\$ 24,000.00
608-00000	Concrete Sidewalk	SF	\$ 20.00	5500	\$ 110,000.00	SQUARE FOOT	\$ 18.00	\$ 99,000.00	\$ 12.00	\$ 66,000.00
608-00005	Concrete Sidewalk (Special)	SF	\$ 22.00	100	\$ 2,200.00	SQUARE FOOT	\$ 21.00	\$ 2,100.00	\$ 30.00	\$ 3,000.00
613 -00310	3 Inch Electrical Conduit (Trenched)	LF	\$ 20.00	350	\$ 7,000.00	LINEAR FOOT	\$ 21.00	\$ 7,350.00	\$ 6.00	\$ 2,100.00
613-00003	Boring Pit - Small (3'x3'x3')	EA	\$ 150.00	20	\$ 3,000.00	EACH	\$ 500.00	\$ 10,000.00	\$ 450.00	\$ 9,000.00
613-00005	Boring Pit - Large (5'x5'x6')	EA	\$ 750.00	200	\$ 150,000.00	EACH	\$ 500.00	\$ 100,000.00	\$ 650.00	\$ 130,000.00
613-00206	2 Inch Electrical Conduit (Bored)	LF	\$ 11.00	900	\$ 9,900.00	LINEAR FOOT	\$ 11.00	\$ 9,900.00	\$ 15.00	\$ 13,500.00
613-00209	2 Inch Electrical Conduit (Trenched)	LF	\$ 8.00	350	\$ 2,800.00	LINEAR FOOT	\$ 20.00	\$ 7,000.00	\$ 6.00	\$ 2,100.00
613-00306	3 Inch Electrical Conduit (Bored)	LF	\$ 15.00	35000	\$ 525,000.00	LINEAR FOOT	\$ 12.00	\$ 420,000.00	\$ 20.00	\$ 700,000.00
613-00307	Two 3 Inch Electrical Conduit (Bored)	LF	\$ 17.00	3500	\$ 59,500.00	LINEAR FOOT	\$ 13.50	\$ 47,250.00	\$ 30.00	\$ 105,000.00
613-00308	Three 3 Inch Electrical Conduit (Bored)	LF	\$ 19.00	100	\$ 1,900.00	LINEAR FOOT	\$ 18.00	\$ 1,800.00	\$ 45.00	\$ 4,500.00
613-00309	One 2 Inch and Two 3 Inch Electrical Conduit (Bored)	LF	\$ 18.00	3500	\$ 63,000.00	LINEAR FOOT	\$ 14.00	\$ 49,000.00	\$ 35.00	\$ 122,500.00
613-00408	4 Inch Electrical Conduit (Bored)	LF	\$ 20.00	100	\$ 2,000.00	LINEAR FOOT	\$ 18.00	\$ 1,800.00	\$ 22.00	\$ 2,200.00
613-00603	6 Inch Electrical Conduit (Bored)	LF	\$ 40.00	100	\$ 4,000.00	LINEAR FOOT	\$ 34.00	\$ 3,400.00	\$ 40.00	\$ 4,000.00
613-04030	Proof Conduit (3-man labor crew)	LF	\$ 1.00	3000	\$ 3,000.00	LINEAR FOOT	\$ 0.80	\$ 2,400.00	\$ 1.50	\$ 4,500.00
613-04031	Conduit and Fiber Repair (3-man labor crew)	HR	\$ 250.00	200	\$ 50,000.00	HOURLY RATE	\$ 165.00	\$ 33,000.00	\$ 425.00	\$ 85,000.00
613-07023	Pull Box (Type C)(36"x24"x24")	EA	\$ 1,300.00	300	\$ 390,000.00	EACH	\$ 950.00	\$ 285,000.00	\$ 1,275.00	\$ 382,500.00
613-07199	Pull Box (Type A and B)	EA	\$ 1,000.00	50	\$ 50,000.00	EACH	\$ 350.00	\$ 17,500.00	\$ 300.00	\$ 15,000.00
613-07201	Pull Box (Type D)(30"x48"x18")	EA	\$ 1,500.00	20	\$ 30,000.00	EACH	\$ 600.00	\$ 12,000.00	\$ 450.00	\$ 9,000.00
614- 75830	Traffic signal cabinet base (concrete)	EA	\$ 700.00	5	\$ 3,500.00	EACH	\$ 600.00	\$ 3,000.00	\$ 850.00	\$ 4,250.00
614-75835	Traffic Signal Cabinet base (pre-fab)	EA	\$ 500.00	10	\$ 5,000.00	EACH	\$ 1,100.00	\$ 11,000.00	\$ 450.00	\$ 4,500.00
614-87401	Fiber Optic Cable (Denver Hybrid)(12x12 Strands)	LF	\$ 3.00	5000	\$ 15,000.00	LINEAR FOOT	\$ 3.00	\$ 15,000.00	\$ 0.65	\$ 3,250.00
614-87402	Fiber Optic Cable (Denver Hybrid)(36x12 Strands)	LF	\$ 3.00	5000	\$ 15,000.00	LINEAR FOOT	\$ 3.00	\$ 15,000.00	\$ 0.75	\$ 3,750.00
614-87403	Fiber Optic Cable (Denver Hybrid)(60x12 Strands)	LF	\$ 4.00	5000	\$ 20,000.00	LINEAR FOOT	\$ 4.00	\$ 20,000.00	\$ 1.15	\$ 5,750.00
614-87404	Fiber Optic Cable (Denver Hybrid)(120x24 Strands)	LF	\$ 6.00	2500	\$ 15,000.00	LINEAR FOOT	\$ 4.50	\$ 11,250.00	\$ 1.75	\$ 4,375.00
614-87424	Fiber Optic Cable (Single Mode) (24 Strands)	LF	\$ 3.00	5000	\$ 15,000.00	LINEAR FOOT	\$ 2.00	\$ 10,000.00	\$ 0.55	\$ 2,750.00
614-87425	Fiber Optic Cable (Multi Mode) (12 Strands)	LF	\$ 3.00	100	\$ 300.00	LINEAR FOOT	\$ 2.00	\$ 200.00	\$ 0.60	\$ 60.00
614-87426	Fiber Optic Cable (Single Mode) (12 Strands)	LF	\$ 3.00	10000	\$ 30,000.00	LINEAR FOOT	\$ 2.00	\$ 20,000.00	\$ 0.65	\$ 6,500.00

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Bid Item		Description		Engineer's Estimate			Colorado Boring Great American Insurance Co.		Global Underground Corp. Employers Mutual Casualty Co.	
				Unit Short	Unit Cost	QUANTITY	Estimated Cost	Unit Long	Unit Bid Cost	Total Bid Item
614-87427	Fiber Optic Cable (Single Mode) (48 Strands)	LF	\$ 4.00	5000	\$ 20,000.00	LINEAR FOOT	\$ 2.50	\$ 12,500.00	\$ 0.85	\$ 4,250.00
614-87428	Fiber Optic Cable (Single Mode) (72 Strands)	LF	\$ 4.00	5000	\$ 20,000.00	LINEAR FOOT	\$ 2.50	\$ 12,500.00	\$ 0.95	\$ 4,750.00
614-87429	Fiber Optic Cable (Single Mode) (96 Strands)	LF	\$ 5.00	10000	\$ 50,000.00	LINEAR FOOT	\$ 3.00	\$ 30,000.00	\$ 1.05	\$ 10,500.00
614-87430	Fiber Optic Cable (Single Mode) (144 Strands)	LF	\$ 5.00	5000	\$ 25,000.00	LINEAR FOOT	\$ 3.50	\$ 17,500.00	\$ 1.45	\$ 7,250.00
614-87650	Pull Fiber	LF	\$ 1.25	75000	\$ 93,750.00	LINEAR FOOT	\$ 1.00	\$ 75,000.00	\$ 0.85	\$ 63,750.00
614-87651	Install Pull Tape in Existing Conduit	LF	\$ 0.50	3000	\$ 1,500.00	LINEAR FOOT	\$ 0.40	\$ 1,200.00	\$ 0.55	\$ 1,650.00
614-87652	Copper Tracer Wire	LF	\$ 0.25	40000	\$ 10,000.00	LINEAR FOOT	\$ 0.22	\$ 8,800.00	\$ 0.32	\$ 12,800.00
623 -06901	Traffic Valve Box (Install Only)	EA	\$ 40.00	10	\$ 400.00	EACH	\$ 30.00	\$ 300.00	\$ 150.00	\$ 1,500.00
626-00000	Mobilization	EA	\$ 500.00	50	\$ 25,000.00	EACH	\$ 900.00	\$ 45,000.00	\$ 950.00	\$ 47,500.00
630-00003	Uniformed Traffic Control	HR	\$ 120.00	100	\$ 12,000.00	HOURLY RATE	\$ 100.00	\$ 10,000.00	\$ 125.00	\$ 12,500.00
630-00013	Traffic Control Management	HR	\$ 75.00	3000	\$ 225,000.00	HOURLY RATE	\$ 75.00	\$ 225,000.00	\$ 85.00	\$ 255,000.00
630-80341	Construction Traffic Sign (Panel Size A)	EA	\$ 35.00	150	\$ 5,250.00	EACH	\$ 30.00	\$ 4,500.00	\$ 55.00	\$ 8,250.00
630-80342	Construction Traffic Sign (Panel Size B)	EA	\$ 40.00	150	\$ 6,000.00	EACH	\$ 30.00	\$ 4,500.00	\$ 55.00	\$ 8,250.00
630-80356	Advance Warning Flashing or Sequencing Arrow Panel (A Type)	EA	\$ 1,000.00	50	\$ 50,000.00	EACH	\$ 1,000.00	\$ 50,000.00	\$ 1,250.00	\$ 62,500.00
630-80380	36 Inch Traffic Cone	EA	\$ 3.00	1500	\$ 4,500.00	EACH	\$ 3.00	\$ 4,500.00	\$ 7.50	\$ 11,250.00
699-00010	Railroad Permit Fee	EA	\$ 7,500.00	3	\$ 22,500.00	EACH	\$ 6,500.00	\$ 19,500.00	\$ 6,500.00	\$ 19,500.00
<b>Subtotal</b>					<b>\$ 3,045,675.00</b>		<b>Subtotal</b>	\$ 2,308,955.00	<b>Subtotal</b>	\$ 3,090,915.00
							<b>Textura Fee</b>	\$ 5,850.00	<b>Textura Fee</b>	\$ 9,100.00
<b>Total Project Cost</b>					<b>\$ 3,045,675.00</b>		<b>Total Project Cost</b>	<b>\$ 2,314,805.00</b>	<b>Total Project Cost</b>	<b>\$ 3,100,015.00</b>