

CITY OF ELKO
Engineers Estimate
 FOR
Sports Complex
2017-2018
Engineers Estimate

<u>Bid Item No.</u>	<u>Item No.</u>	<u>Description of Work</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>TOTAL AMOUNT</u>
CLEARING EARTHWORK					
1	33701200	Mobilization @ _____ Per Lump Sum	1	\$375,000.00	\$ 375,000.00
2	City Standard	SWPPP - Includes 10'X10' basin below existing storm water outflow pipe includes filter fence around soil and fill stockpile areas. @ _____ Per Lump Sum.	1	\$80,000.00	\$ 80,000.00
3	300	Site Cleaning, Grubbing to be stockpiled on site in future phase area, concrete and other manmade debris to be removed from the site., Concrete curb cutting/removal covered in Civil Bid schedule, Includes clearing wetland/restoration area @ _____ Per Acre	61.12	\$1,000.00	\$ 61,120.00
4	31.2316	Topsoil Stripping and Stockpile 6" depth Includes wetland/restoration area includes future work areas Includes fine grading of landscape areas @ _____ Per Acre.	61.12	\$3,000.00	\$ 183,360.00
5	31.2316	Topsoil Placement Includes placement of 6" of topsoil to all planted areas Includes 6" topsoil placement on wetland / restoration area @ _____ per Cubic Yard.	16,671	\$6.00	\$ 100,026.00
6	303	Excavation and Rough Grading Includes wetland & restoration cut (approx. 40,000 yards) Includes stockpile of excess fill material (approx. 20,000 yards) @ _____ _____ per Cubic Yards	136,000	\$6.00	\$ 816,000.00

ELECTRICAL UTILITIES

7	Section E	Electrical Service Connection, include transformer and concrete pad. @ _____ per Lump Sum.	1	\$185,000.00	\$ 185,000.00
8	Section E	(P-2) Parking Lot Lighting, Includes pole base, conduit, conductor, junction box, Includes trenching, backfill, compaction @ _____ Per Each.	4	\$7,300.00	\$ 29,200.00
9	Section E	(P-1) Parking Lot Lighting - Includes pole base, conduit, conductor, junction box Includes trenching, backfill, compaction @ _____ per Each.	7	\$7,300.00	\$ 51,100.00
10	Section E	(R-1) Roadway Lighting Includes pole base, conduit, conductor, junction box includes trenching, backfill, compaction @ _____ per Each.	1	\$9,805.00	\$ 9,805.00
11	Section E	(W-1) Walkway Lighting- Includes pole base, conduit, conductor, junction box, includes trenching, backfill, compaction @ _____ per Each.	10	\$7,000.00	\$ 70,000.00
12	Section E	(R-1) Roadway Lighting (Pole Base Only) Includes pole base, conduit & pull string, junction box Includes trenching, backfill, compaction @ _____ per Each.	4	\$1,700.00	\$ 6,800.00
13	Section E	(W-1) Walkway Lighting (Pole Base Only) includes pole base, conduit, & pull string, junction box includes trenching, backfill, compaction @ _____ per Each	4	\$1,500.00	\$ 6,000.00

14	Section E	Scoreboard Power - Includes conduit, conductor junction box and connection to scoreboard- Includes trenching, backfill, compaction @ _____ per Lump Sum.	1	\$39,000.00	\$	39,000.00
15	Section E	Dugout Power (6 Dugouts) Includes receptacle, conduit, conductor junction box includes trenching, backfill, compaction @ _____ per Lump Sum.	1	\$15,500.00	\$	15,500.00
16	Section E	Irrigation Pump Station Power - Includes conduit, conductor junction box Includes trenching, backfill, compaction @ _____ per Lump Sum.	1	\$22,500.00	\$	22,500.00
17	Section E	Security Camera - Includes excavation, pole base and pole @ _____ per Lump Sum.	1	\$6,000.00	\$	6,000.00
18	Section E	Flagpole Lighting - Includes conduit, conductor, junction box includes trenching, backfill, compaction @ _____ per Each.	3	\$1,400.00	\$	4,200.00
19	Section E	Sports Lighting Components - Includes conduit, pull strings, junction boxes, no conductor. Includes trenching, backfill, and compaction @ _____ per Each.	15	\$4,000.00	\$	60,000.00

SITE CONCRETE /ASPHALT (EXCLUDING ROADS OR PARKING LOT)

20	32.3213	Retaining Planter Wall (Center of complex) Includes subgrade excavation preparation and fine grading includes foundation, agg.base, reinforcing steel, and skate stoppers @ _____ per Cubic Yard.	75	\$600.00	\$	45,000.00
21	Per Detail	Concrete Stairs, Cheek walls, Handrails includes subgrade excavation preparation and fine grading - Includes foundation, agg.base, reinforcing steel, and hand rail installation @ _____ per Cubic Yard.	16	\$600.00	\$	9,600.00
22	312.0300	6" Concrete Flatwork - Includes subgrade excavation preparation and fine grading includes 4" type 2 agg. Base @ _____ Per Square Foot.	28,148	\$9.00	\$	253,332.00
23	312.0300	6" Colored Concrete Flatwork - Includes subgrade excavation preparation and fine grading Includes 4" type 2 agg.Base @ _____ Per Square Foot.	23,220	\$11.00	\$	255,420.00
24	312.0300	4" Concrete flatwork - Includes subgrade excavation preparation and fine grading Includes 4" type 2 agg. Base @ _____ Per Square Foot.	6,867	\$6.00	\$	41,202.00
25	Per Detail	Concrete mow curb 6"X6" at main entry includes subgrade excavation preparation and fine grading Includes, reinforcing steel and 4" type 2 agg. Base @ _____ per Lineal Foot.	72	\$15.00	\$	1,080.00
26	Per Detail	6' Precast Concrete Fence - Includes grading, footings for posts and agg. Base @ _____ per Lineal Foot.	1,950	\$100.00	\$	195,000.00

SITE FURNISHINGS / AMENITIES

27	Per Detail	Removable Steele Bollards - Includes footing, sleeve, and agg. Base @ _____ Per Each.	3	\$1,000.00	\$	3,000.00
28	Per Detail	Permanent Steel Bollard - Includes footing, and agg.base @ _____ per Each.	1	\$1,000.00	\$	1,000.00
29	12.9400	Seating Area Shade Canopy - Includes engineered shop drawings Includes excavation, footings, and agg.base @ _____ per Each.	3	\$45,000.00	\$	135,000.00
30	Per Detail	Vehicle Swing Gates - Includes engineered shop drawings includes excavation, footings, and agg.base @ _____ per Each	1	\$5,600.00	\$	5,600.00
31	Per Detail	8" CMU Dumpster Enclosure - Includes excavation, footing and agg.base Includes steel doors, engineered shop drawing required for doors. @ _____ per Lump Sum	1	\$15,000.00	\$	15,000.00
32	Per Detail	40' Flag Pole & Paver Path to Pole - Includes concrete base and pad Includes integration of flagpole power and light fixtures in pad - Includes 4" type 2 agg. Base @ _____ per Lump Sum.	1	\$5,500.00	\$	5,500.00

PLAYING FIELDS

33	Section C	Baseball Playing Field 325' (natural grass) Includes all materials and systems included in SR series sheets @ _____ per Each.	2	\$510,000.00	\$ 1,020,000.00
34	Section C	Baseball Playing Field 250' (natural grass) Includes all materials and systems included in SR series sheets @ _____ per Each.	1	\$300,000.00	\$ 300,000.00
35	11.6843	Scoreboard - Includes engineered shop drawings Includes excavation, footings, and agg.base @ _____ per Each.	3	\$18,000.00	\$ 54,000.00
36	11.5213	Sports Equipment @ _____ per Lump Sum.	1	\$75,000.00	\$ 75,000.00

PLANTING AND MULCH (EXCLUDES PLAYING FIELDS)

37	32.9219	Lawn Area (excluding playing fields and central lawn area) Furnish and install hydro-mulch turf seed @ _____ per Square Foot.	93,630	\$0.10	\$ 9,363.00
38	32.926	Native Area - Furnish and install border zone hydro-mulch seed @ _____ per Acre.	3.88	\$3,200.00	\$ 12,416.00
39	329113.16	Rock Mulch in Drain Channel: 3"-8" Cobble 8" Depth @ _____ per Cubic Yard.	150	\$170.00	\$ 25,500.00
40	Per Detail	Landscapes Boulders in Drain Channel: 1'x1' - 3'x3' Furnish and install boulders per detail/plans@ _____ per each.	200	\$100.00	\$ 20,000.00
41	32.9260	Bottom of Detention Basins Furnish and install wetland hydro-mulch seed @ _____ per Acre.	0.11	\$4,150.00	\$ 456.50

IRRIGATION (EXCLUDES PLAYING FIELDS)

42	32.8423	Lawn area outside of playing fields (excludes lateral irrigation for central lawn area) Includes mainline, point of connection equipment, irrigation clock, communication wire, and associated equipment @ _____ Per Square Foot.	93,630	\$0.75	\$ 70,222.50
43	32.8423	Planted Beds (Drip Zones) Includes all equipment for non-turf drip zones @ _____ per Square Foot.	20,000	\$0.80	\$ 16,000.00
44	32.8423	Native Area (Point Source Emitter Zones Only) Includes all areas receiving native border zone seed includes valves, pipe, emitters based on plant quantities and spacing @ _____ per Each.	646	\$60.00	\$ 38,760.00
45	32.8423	Water Source to Wetlands 2" PVC pipe and valve @ _____ per Lineal Foot	700	\$5.00	\$ 3,500.00
46	Per Detail	Pump Station Includes engineered shop drawings by vendor Includes offloading and set station, tie in to water source, connection to power stub, start up and testing Includes concrete pad and cabinet as specified @ _____ per Lump Sum.	1	\$104,000.00	\$ 104,000.00

WETLAND MITIGATION AND RESTORATION AREA

47	32.9260	Wetland Seed Mix Hydro-mulch @ _____ per Acre.	4.9	\$4,150.00	\$ 20,335.00
48	32.9260	Upland Seed Mix Hydro-mulch @ _____ per Acres	5.1	\$3,200.00	\$ 16,320.00
49	32.9260	Transition Seed Mix Hydro-mulch @ _____ per Acre.	1.5	\$3,200.00	\$ 4,800.00
50	32.9000	Deciduous Trees: 1" Caliper Furnish and install trees per plan and specification @ _____ per Each.	141	\$350.00	\$ 49,350.00
51	32.9000	Shrubs: 1 Gallon - Furnish and install shrubs per plan and specification @ _____ per Each.	300	\$15.00	\$ 4,500.00
52	32.9000	Willow Whips - Furnish and install willow whips per plan and specification @ _____ per Each	3900	\$1.00	\$ 3,900.00
53	32.9000	Sedge and Rush Seedlings - Furnish and install wetland seedlings per plan and specification @ _____ per Each.	54,200	\$2.00	\$ 108,400.00

ARCHITECTURE

54	Section D	Comfort Station / Concessions @ _____ Lump Sum.	1	\$500,000.00	\$ 500,000.00
----	-----------	---	---	--------------	---------------

CIVIL WORK

55	301.0100	Sawcut Existing AC Errecart Access @ _____ per Lineal Foot.	100	\$5.00	\$ 500.00
----	----------	---	-----	--------	-----------

56	301-0200	Remove Existing AC - Errecart Access @ _____per Square Yard.	217	\$25.00	\$ 5,425.00
57	308-0100	10" Aggregate Base: Future Road & Cul-De-Sac @ _____per Square Yard.	2,740	\$16.00	\$ 43,840.00
58	308-0210	6" Aggregate Base @ _____per Square Yard.	12,000	\$10.00	\$ 120,000.00
59	316-0100	Track Coat @ _____per Square Yard	2,000	\$1.00	\$ 2,000.00
60	320-0100	Plant mix (AC3") @ _____per Square Yard	10,000	\$28.00	\$ 280,000.00
61	320-0110	Plant mix (AC 4") @ _____per Square Yard	2,000	\$35.00	\$ 70,000.00
62	324-0100	Parking Lot & Road Striping and Markings @ _____per Lump Sum.	1	\$10,000.00	\$ 10,000.00
63	324-0200	Pavement Markings ADA access aisles @ _____per Lump Sum.	1	\$3,000.00	\$ 3,000.00
64	332-0100	Traffic Control - Phase 1 @ _____per Lump Sum.	1	\$9,000.00	\$ 9,000.00
65	332-0200	New Permanent Signs - per MUTCD (Stop & handicap signs)@ _____ Per Square Foot.	80	\$90.00	\$ 7,200.00
66	312-0100	Concrete Curb and Gutter Type 1 (includes 6" Type @ Agg Base) @ _____per Lineal Foot.	1,396	\$45.00	\$ 62,820.00
67	312-0200	Concrete Median Curb (Includes 6" Ty 2 Base) @ _____per Lineal Foot.	1,300	\$4.00	\$ 5,200.00
68	312-0300	Concrete Sidewalk - 5' width (includes 4" Type 2 Ag Base) Access Rd. @ _____per Square Yard.	310	\$50.00	\$ 15,500.00
69	312-0400	Concrete Valley Gutter @ _____per Square Yard.	110	\$150.00	\$ 16,500.00
70	312-0500	ADA Ramp in Parking area Detail sheet C-27 w / Domes @ _____per Square Yard.	60	\$175.00	\$ 10,500.00
71	303-0100	Grading of 2' Depth Drainage Ditch @ _____per 100 Feet.	9	\$500.00	\$ 4,500.00
72	303-0200	Grading of 4' Depth Drainage Ditch @ _____per 100 Feet.	6	\$500.00	\$ 3,000.00
73	306-0001	18" Drainage junction structures @ _____Each.	1	\$850.00	\$ 850.00
74	306-0002	24" Drainage Junction structures @ _____per Each	7	\$850.00	\$ 5,950.00
75	306-0100	6 inch dia. Corrugated PP N-12 storm drain @ _____Per Lineal Foot.	140	\$14.00	\$ 1,960.00
76	306-0200	10"dia. Corrugated PP N-12 storm drain pipe @ _____per Lineal Foot.	245	\$12.00	\$ 2,940.00
77	306-0300	12 inch dia. Corrugated PP N-12 storm drain pipe @ _____per Lineal Foot	40	\$50.00	\$ 2,000.00
78	306-0301	18" Dia. Corrugated PP N-12 storm drain pipe @ _____per Line Foot.	990	\$45.00	\$ 44,550.00
79	306-0400	24" dia. Corrugated PP N-12 Storm drain pipe @ _____Lineal Foot.	840	\$60.00	\$ 50,400.00
80	306-0500	30" dia. Corrugated PP N -12 storm drain @ _____per Lineal Foot.	330	\$70.00	\$ 23,100.00
81	306-0600	42" dia. Corrugated PP N-12 storm drain @ _____per Lineal Foot.	950	\$115.00	\$ 109,250.00
82	306-0700	48" dia. Corrugated PP N-12 storm drain @ _____per Lineal Foot.	540	\$135.00	\$ 72,900.00
83	306-0800	Concession & Field drainage inlets @ _____per Each.	6	\$450.00	\$ 2,700.00
84	305-0100	Grading Fill - Berms @ _____per Cubic Yards.	30	\$20.00	\$ 600.00
85	305-0200	Rock Riprap inlet and outlet Protection @ _____per Square Yard.	130	\$80.00	\$ 10,400.00
86	305-0300	Grouted Riprap @ _____per Square Yard.	300	\$150.00	\$ 45,000.00
87	323-0200	Type 4R drainage inlet @ _____per Each	4	\$5,500.00	\$ 22,000.00
88	323-0300	60" dia. Storm Drain Manholes @ _____per Each	5	\$5,500.00	\$ 27,500.00
89	323-0400	48" dia. Sanitary Sewer Manholes @ _____per Each.	7	\$6,000.00	\$ 42,000.00
90	306-0700	12" dia. PVC SDR-35 Sanitary Sewer Pipe @ _____per Lineal Foot.	2,035	\$55.00	\$ 111,925.00
91	306-0800	8" dia. PVC SDR-35 Sanitary Sewer Service Pipe @ _____per Lineal Foot.	50	\$43.00	\$ 2,150.00
92	306-0900	6" Concrete CIP slab on grade @ _____per Square Foot.	80	\$10.00	\$ 800.00

93	307-0100	12" AWWA C900 Class 150 SDR 18 PVC Pressure Pipe @ _____ per Lineal Foot.	2,115	\$100.00	\$ 211,500.00
94	307-0200	Cut 12" line, cap 12" line & remove valve box @ _____ per Lump Sum.	1	\$2,000.00	\$ 2,000.00
95	307-0300	12" X 12" X 12" Waterline Tee @ _____ per Each	1	\$2,000.00	\$ 2,000.00
96	307-0500	12" Dia. Isolation Gate Valves Each End of Park, @ 1000" @ _____ per Each	3	\$1,700.00	\$ 5,100.00
97	307-0600	2" Backflow Prevention Assembly @ _____ per Each.	1	\$4,000.00	\$ 4,000.00
98		THIS ITEM HAS BEEN REMOVED			
99		THIS ITEM HAS BEEN REMOVED			
100	307-1000	2" ips, 200 psi Polly Water Service Line (includes tap) @ _____ per Lineal Foot.	460	\$38.00	\$ 17,480.00
101	307-1100	6" AWWA C900 Fire Service Line @ _____ per Lineal Foot.	50	\$80.00	\$ 4,000.00
102	307-1200	Fire Hydrant Assembly (includes 1 6" GV) @ _____ per Each.	2	\$7,000.00	\$ 14,000.00
103	307-1300	Special Construction Utility crossing(s) @ _____ per Each.	8	\$2,500.00	\$ 20,000.00
104		Remove and dispose of 12" diameter water main @ _____ per Lineal Foot.	1,000	\$15.00	\$ 15,000.00
Total Base Bids					\$ 7,086,208.00

<u>Bid Item No.</u>	<u>Item No.</u>	<u>Description of Work</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>TOTAL AMOUNT</u>
---------------------	-----------------	----------------------------	-----------------	-------------------	---------------------

ADDITIVE ALTERNATE #1

1	Sports Light Plans	Sports Light Poles and precast pole bases (owner provided poles and control equipment)-Install per light pole provider specifications @ _____ per Each	15	\$20,000.00	\$ 300,000.00
Total Additive Alternative #1					\$ 300,000.00

ADDITIVE ALTERNATE #2

1	Section E	Sports Field Lighting (wire only)-Includes installation of conductor for sports light fixtures @ _____ per Lump Sum	1	\$30,000.00	\$ 30,000.00
Total Additive Alternative #2					\$ 30,000.00

ADDITIVE ALTERNATE #3

1	Section E	(W-1) Light Pole fixtures and conductor only - Pole base, conduit, junction boxes are included in base bid. @ _____ per Each.	4	\$7,000.00	\$ 28,000.00
Total Additive Alternative #3					\$ 28,000.00

ADDITIVE ALTERNATE #4

1	Section E	(R-1) Light pole fixtures and conductor only - Pole base, conduit, junction boxes are included in base bid @ _____ per Each.	4	\$9,805.00	\$ 39,220.00
Total Additive Alternative #4					\$ 39,220.00

ADDITIVE ALTERNATE #5

1	Section E	Fiber Optic Data (Conduits Only) - Includes conduit & pull string, trenching, backfill, compaction @ _____ per Lineal Foot.	2,110	\$55.00	\$ 116,050.00
Total Additive Alternative #5					\$ 116,050.00

ADDITIVE ALTERNATE #6

1	312.0300	4" Concrete Flatwork areas excluded from Base Bid- Install type 2 agg.base up to finish grade (8" Total)-Includes subgrade excavation, preparation and fine grading.	21,876	\$2.00	\$ 43,752.00
---	----------	--	--------	--------	--------------

Total Additive Alternative #6

\$ 43,752.00

ADDITIVE ALTERNATE #7

1	312.0300	4" Concrete Flatwork areas excluded from Base Bids- Install concrete flatwork - Includes subgrade excavation, preparation and fine grading- Includes 4" type 2 agg. base @ _____ per Square Foot.	21,876	\$6.00	\$ 131,256.00
---	----------	---	--------	--------	---------------

Total Additive Alternative #7

\$ 131,256.00

ADDITIVE ALTERNATE #8

1	312-0300	6" Concrete Flatwork areas excluded from Base Bid - Install type 2 agg. Base up to finish grade (10" total)- Includes subgrade excavation, preparation and fine grading @ _____ per Square Foot.	3,361	\$2.00	\$ 6,722.00
---	----------	--	-------	--------	-------------

Total Additive Alternative #8

\$ 6,722.00

ADDITIVE ALTERNATE #9

1	312-0300	6" Concrete Flatwork areas exclude from Base Bid-Install concrete flatwork - Includes subgrade excavation, preparation and fine grading - Includes 4" type 2 agg. Base @ _____ per Square Foot.	3,361	\$9.00	\$ 30,249.00
---	----------	---	-------	--------	--------------

Total Additive Alternative #9

\$ 30,249.00

ADDITIVE ALTERNATE #10

1	312-0300	Asphalt Trail agg. base only - Includes subgrade excavation, preparation and fine grading - Install type 2 agg. base up to finish grade (9" total) @ _____ per Square Foot.	3,566	\$3.00	\$ 10,698.00
---	----------	---	-------	--------	--------------

Total Additive Alternative #10

\$ 10,698.00

ADDITIVE ALTERNATE #11

1	320-0100	Asphalt Trail install Plant mix (AC 3") - Includes subgrade excavation preparation and fine grading - Includes 6" type 2 agg. Base	3,566	\$3.00	\$ 10,698.00
---	----------	--	-------	--------	--------------

Total Additive Alternative #11

\$ 10,698.00

ADDITIVE ALTERNATE #12

1	32.8423	Central Lawn Area - Furnish and install irrigation system per plan @ _____ per Square Foot.	176,673	\$0.75	\$ 132,504.75
---	---------	---	---------	--------	---------------

Total Additive Alternative #12

\$ 132,504.75

ADDITIVE ALTERNATE #13

1	32.9223	Lawn Area (excluding playing fields and central lawn) - Furnish and install sod @ _____ per Square Foot.	93,630	\$0.50	\$ 46,815.00
---	---------	--	--------	--------	--------------

Total Additive Alternative #13

\$ 46,815.00

ADDITIVE ALTERNATE #14

1	32.9223.10	Sports Fields Lawn Area - Furnish and install sod @ _____ per Square Foot.	153,740	\$0.50	\$ 76,870.00
---	------------	--	---------	--------	--------------

Total Additive Alternative #14

\$ 76,870.00

ADDITIVE ALTERNATE #15

1	32.8423	Native Area (Rotor Zones) - Includes all areas receiving native border zone seed. @ _____ per Square Foot.	169,000	\$0.75	\$ 126,750.00
---	---------	--	---------	--------	---------------

Total Additive Alternative #15

\$ 126,750.00

ADDITIVE ALTERNATE #16

1	Per Detail	Concrete mow curb 6"X6" (Central Lawn Area) - Includes subgrade excavation preparation and fine grading - Includes, reinforcing steel and 4" type 2 agg.Base @ _____per Lineal Feet	175	\$15.00	\$ 2,625.00
---	------------	---	-----	---------	-------------

Total Additive Alternative #16

\$	2,625.00
----	----------

ADDITIVE ALTERNATE #17

1	Per Detail	Temporary 3' v ditch - Includes rock apron structures, coir log check dams, and see application - 10X10 basin included in base bid @ _____per Lineal Feet	718	\$10.00	\$ 7,180.00
---	------------	---	-----	---------	-------------

Total Additive Alternative #17

\$	7,180.00
----	----------

ADDITIVE ALTERNATE #18

1	Per Detail	Temporary 2' v ditch- Includes rock apron structures and seed application @ _____per Lineal Foot	1,838	\$8.00	\$ 14,704.00
---	------------	--	-------	--------	--------------

Total Additive Alternative #18

\$	14,704.00
----	-----------

Total of all Add. Alt's \$ 1,154,093.75