



PROJECT CONSTRUCTION ESTIMATE

DESIGNED FOR

KELLER, CITY OF

PROJECT #: **79161**
PROJECT NAME: **Keller Sports Complex OH to UG**

STAKED BY: **ies - Empact Engineering**
DESIGN DATE: **05/30/2024**

INSTALLATION

ASSEMBLY	STATUS	DESCRIPTION	QTY	MATERIAL COST		LABOR COST		UNIT COST
1/0UC	Install	CONDUCTOR - 1/0 PRIMARY UG	5,163	\$	29,465.24	\$	8,714.93	\$ 38,180.17
4ACSR	Install	CONDUCTOR - #4 ACSR PRIMARY OH	664	\$	155.38	\$	654.69	\$ 810.07
C1	Install	3Ø XARM CONSTRUCTION, SINGLE SUPPORT	1	\$	447.21	\$	254.08	\$ 701.30
C1-2	Install	3Ø XARM CONST, SINGLE SUPPORT USING SADD	1	\$	486.80	\$	269.74	\$ 756.53
C7	Install	SINGLE 3Ø DEADEND ASSEMBLY 8" 3-WIRE XAR	4	\$	2,868.53	\$	1,848.91	\$ 4,717.44
C7X	Install	3Ø TAP OFF 3Ø DEADEND ASSEMBLY	1	\$	178.06	\$	438.37	\$ 616.43
E1-2B	Install	GUY - 3/8" UNGROUNDED DOUBLE DOWN GUY	1	\$	522.41	\$	370.23	\$ 892.63
F1-4	Install	ANCHOR-LINE ASSEMBLY-16K-40K LB 1" X 10"	1	\$	230.59	\$	213.81	\$ 444.41
M2-11	Install	GROUNDING ASSEMBLY GROUND ROD TYPE W/ #4	5	\$	1,653.54	\$	671.83	\$ 2,325.37
M2-12	Install	POLE PROTECTION ASSEMBLY PLATE TYPE #4 C	1	\$	314.46	\$	92.62	\$ 407.08
M5-16B	Install	BRACKET FIBERGLASS THREE PHASE 3 WAY	4	\$	1,262.72	\$	524.74	\$ 1,787.45
M5-5	Install	XARM PIN W/ INSULATOR	6	\$	241.02	\$	373.92	\$ 614.94
M5-9LB	Install	CUTOFF - FUSED LOAD BREAK	15	\$	2,788.31	\$	2,642.62	\$ 5,430.93
P40-2	Install	POLE - 40 FT CLASS 2 WOOD	1	\$	1,388.27	\$	604.37	\$ 1,992.64
P40-3	Install	POLE - 40 FT CLASS 3 WOOD	1	\$	984.93	\$	604.27	\$ 1,589.20
P45-2	Install	POLE - 45 FT CLASS 2 WOOD	2	\$	3,366.79	\$	1,415.86	\$ 4,782.65
P50-2	Install	POLE - 50 FT CLASS 2 WOOD	1	\$	1,632.33	\$	785.11	\$ 2,417.44
P-SET	Install	POLE - SET	2	\$	322.14	\$	215.49	\$ 537.63
UBD-10	Install	10" BORE DIRT	121	\$	-	\$	9,447.70	\$ 9,447.70
UC1	Install	3Ø RISER 1/0	5	\$	8,545.06	\$	10,023.26	\$ 18,568.32
UM1-3	Install	3 PH TRANSFORMER PAD 72X96(75-500KVA)	6	\$	13,917.62	\$	8,987.47	\$ 22,905.08
UM33A	Install	THREE PHASE SECTIONALIZING ENCLOSURE ASS	1	\$	1,976.29	\$	846.78	\$ 2,823.07
UM50-P-4	Install	CONDUIT - PVC 4"	2,862	\$	21,802.72	\$	6,287.89	\$ 28,090.60
UM51-P-2	Install	CONDUIT - PVC 2" SWEEP 48"-90	1	\$	32.37	\$	9.92	\$ 42.29
UM51-P-4	Install	CONDUIT - PVC 4" SWEEP 48"-90	32	\$	2,231.42	\$	429.37	\$ 2,660.80
UM51-P-4-45	Install	CONDUIT - PVC 4" SWEEP 24"-45	2	\$	58.92	\$	26.55	\$ 85.46
UM52-C-4	Install	CONDUIT - PVC CAP 4"	5	\$	90.16	\$	32.69	\$ 122.84



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UM6-1	Install	LOAD BREAK ELBOW 200A - 1/0	10	\$	1,447.55	\$	1,454.70	\$ 2,902.25
UM6-10	Install	INSULATING CAP 200A	2	\$	152.83	\$	32.89	\$ 185.72
UM6-22	Install	TERMINAL - FOUR POINT 200A	3	\$	1,757.42	\$	86.26	\$ 1,843.68
UM6-39	Install	RISER - STANDOFF BRACKET KIT 18"	19	\$	2,384.20	\$	302.08	\$ 2,686.28
UM6-39.4	Install	RISER - STANDOFF BRACKET STRAPS 4"	24	\$	299.21	\$	199.98	\$ 499.19
UM6-4	Install	FAULT INDICATOR UNDERGROUND 1/0 - 4/0	6	\$	1,896.80	\$	421.67	\$ 2,318.47
UM8-7A	Install	CT METER INSTALLATION 3PH SINGLE SERV	1	\$	-	\$	201.91	\$ 201.91
UM8-7A	Install	CT METER INSTALLATION 3PH SINGLE SERV	1	\$	-	\$	201.91	\$ 201.91
UM8-7A	Install	CT METER INSTALLATION 3PH SINGLE SERV	1	\$	-	\$	201.91	\$ 201.91
UM8-7A	Install	CT METER INSTALLATION 3PH SINGLE SERV	1	\$	-	\$	201.91	\$ 201.91
UM8-7A	Install	CT METER INSTALLATION 3PH SINGLE SERV	1	\$	-	\$	201.91	\$ 201.91
UM8-7A	Install	CT METER INSTALLATION 3PH SINGLE SERV	1	\$	-	\$	201.91	\$ 201.91
UM8-7A	Install	CT METER INSTALLATION 3PH SINGLE SERV	1	\$	-	\$	201.91	\$ 201.91
UR2SP	Install	PRIMARY TRENCH SOIL	39	\$	-	\$	574.50	\$ 574.50
UR2SP	Install	PRIMARY TRENCH SOIL	92	\$	-	\$	1,355.23	\$ 1,355.23
UR2SP	Install	PRIMARY TRENCH SOIL	120	\$	-	\$	1,767.69	\$ 1,767.69
UR2SP	Install	PRIMARY TRENCH SOIL	146	\$	-	\$	2,150.70	\$ 2,150.70
UR2SP	Install	PRIMARY TRENCH SOIL	229	\$	-	\$	3,373.35	\$ 3,373.35
UR2SP	Install	PRIMARY TRENCH SOIL	299	\$	-	\$	4,404.51	\$ 4,404.51
UR2SP	Install	PRIMARY TRENCH SOIL	385	\$	-	\$	5,671.35	\$ 5,671.35
UVG150-3P277	Install	XFRMR, CONV - 150 KVA PM - 480/277 - 14.	2	\$	27,928.08	\$	984.44	\$ 28,912.52
UVG17	Install	XFRMR THREE PHASE PADMOUNTASSEMBLY RADIA	5	\$	6,896.24	\$	3,657.49	\$ 10,553.73
UVG17-2	Install	XFRMR THREE PHASE PADMOUNT ASSEMBLY LOOP	1	\$	1,236.13	\$	1,034.58	\$ 2,270.71
UVG45-3P208	Install	XFRMR, CONV - 45 KVA PM - 208/120 - 14.4	1	\$	9,379.63	\$	442.25	\$ 9,821.88
UVG75-3P208	Install	XFRMR, CONV - 75 KVA PM - 208/120 - 14.4	1	\$	13,728.31	\$	440.29	\$ 14,168.61
UVG75-3P277	Install	XFRMR, CONV - 75 KVA PM - 480/277 - 14.4	2	\$	29,000.97	\$	880.59	\$ 29,881.56
UVM6-33	Install	ARRESTER - RISER 18KV	12	\$	993.56	\$	1,029.30	\$ 2,022.87
UVM6-34	Install	ARRESTER - ELBOW 18KV	3	\$	716.47	\$	125.39	\$ 841.86



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PROJECT NAME:

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DESIGN DATE:

05/30/2024

SUBTOTAL:

\$ **194,780.66** \$ **88,387.94** \$ **283,168.61**

RETIREMENT

ASSEMBLY	STATUS	DESCRIPTION	QTY	MATERIAL COST	LABOR COST	UNIT COST
1/0TXU	Retire	CONDUCTOR - 1/0 TRIPLEX SECONDARY UG	27	\$ -	\$ 28.79	\$ 28.79
1/0UC	Retire	CONDUCTOR - 1/0 PRIMARY UG	462	\$ -	\$ 505.04	\$ 505.04
4/0ACSR	Retire	CONDUCTOR - 4/0 ACSR PRIMARY OH	1,370	\$ -	\$ 1,688.49	\$ 1,688.49
4/0QXU	Retire	CONDUCTOR - 4/0 QUADRAPLEX SECONDARY UG	84	\$ -	\$ 130.99	\$ 130.99
4ACSR	Retire	CONDUCTOR - #4 ACSR PRIMARY OH	200	\$ -	\$ 135.04	\$ 135.04
A5	Retire	1Ø DEADEND	1	\$ -	\$ 108.20	\$ 108.20
A5-2	Retire	1Ø TAP OFF XARM CONSTRUCTION MAIN LINE	1	\$ -	\$ 100.11	\$ 100.11
C1	Retire	3Ø XARM CONSTRUCTION, SINGLE SUPPORT	2	\$ -	\$ 344.03	\$ 344.03
C1-2	Retire	3Ø XARM CONST, SINGLE SUPPORT USING SADD	1	\$ -	\$ 192.62	\$ 192.62
C7	Retire	SINGLE 3Ø DEADEND ASSEMBLY 8" 3-WIRE XAR	1	\$ -	\$ 323.77	\$ 323.77
E1-2	Retire	GUY - 3/8" UNGROUNDED SINGLE DOWN GUY	1	\$ -	\$ 135.19	\$ 135.19
F1-3	Retire	ANCHOR-LINE ASSEMBLY-10K LB 3/4" X 8"	1	\$ -	\$ 128.47	\$ 128.47
G135	Retire	XFRMR ASSEMBLY 1Ø ON 1Ø OR 3Ø POLE (<=50	2	\$ -	\$ 459.89	\$ 459.89
G312	Retire	XFRMRS (3) CLUST MNT 4-WIRE GRND WYE-GRN	2	\$ -	\$ 1,559.95	\$ 1,559.95
M2-11	Retire	GROUNDING ASSEMBLY GROUND ROD TYPE W/ #4	4	\$ -	\$ 370.56	\$ 370.56
M2-12	Retire	POLE PROTECTION ASSEMBLY PLATE TYPE #4 C	1	\$ -	\$ 55.50	\$ 55.50
M5-9	Retire	CUTOUT - FUSED	4	\$ -	\$ 446.11	\$ 446.11
P40-4	Retire	POLE - 40 FT CLASS 4 WOOD	6	\$ -	\$ 2,691.76	\$ 2,691.76
UC1	Retire	3Ø RISER 1/0	1	\$ -	\$ 1,064.54	\$ 1,064.54
UM5-2	Retire	CONDUIT - SECONDARY RISER 2"	1	\$ -	\$ 251.95	\$ 251.95
UM5-3	Retire	CONDUIT - SECONDARY RISER 3"	1	\$ -	\$ 255.15	\$ 255.15
UM6-1	Retire	LOAD BREAK ELBOW 200A - 1/0	3	\$ -	\$ 242.58	\$ 242.58
UVM6-34	Retire	ARRESTER - ELBOW 18KV	3	\$ -	\$ 80.49	\$ 80.49
VG10	Retire	XFRMR, CONV - 10 KVA - 120/240 - 14.4	1	\$ -	\$ 249.26	\$ 249.26
VG25-277	Retire	XFRMR, CONV - 25 KVA - 277/480 - 14.4	3	\$ -	\$ 774.81	\$ 774.81
VG50	Retire	XFRMR, CONV - 50 KVA - 120/240 - 14.4	1	\$ -	\$ 347.71	\$ 347.71

975974

THIS COST ESTIMATE IS GOOD FOR 90 DAYS. EXPIRATION: 02/18/2025

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PROJECT #:

79161

STAKED BY: ies - Empact Engineering

PROJECT NAME:

Keller Sports Complex OH to UG

DESIGN DATE: 05/30/2024

SUBTOTAL:

\$

-

\$

12,671.00

\$

12,671.00

TOTAL COSTS

Total Material Cost:	\$	194,780.66
Total Labor Cost:	\$	101,058.95
Total Construction Costs:	\$	295,839.61
Miscellaneous Sales:	\$	3,000.00
Miscellaneous Credit:	\$	12,050.30
Sub Total:	\$	286,789.31
Total Taxes:	\$	0.00
GRAND TOTAL:	\$	286,789.31



TRI-COUNTY ELECTRIC COOPERATIVE

Cost Estimate

Field Services: 817-752-8172

TO: KELLER, CITY OF

PROJECT #: 79161
DATE: 11/20/2024
EXPIRES: 02/18/2025
BY: null

FOR:

JOB COSTS

Construction Costs:	\$	295,839.61
Miscellaneous Sales:	\$	3,000.00
Total Costs:	\$	298,839.61

JOB CREDITS

Miscellaneous Credit:	\$	12,050.30
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Total Cost:	\$	298,839.61
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Tax:	\$	0.00
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Expires On: February 18, 2025	Grand Total:	\$ 286,789.31
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TYPE		PRI	SVC	SEC	CONS	POLES	TRANSF	LIGHTS	METERS
INSTALL	OH	166	0	0	0	5	6	0	6
INSTALL	UG	1,431	0	0	6				
RETIRE	OH	534	0	0	0	6	4	0	0
RETIRE	UG	154	0	111	2				

ALEDO	AZLE	GRANBURY	KELLER	SEYMOUR
200 Bailey Ranch Rd	600 N W Parkway	1623 Weatherford Hwy	4900 Keller Hicks Rd	419 North Main Street
Aledo, TX 76008	Azle, TX 76020	Granbury, TX 76048	Keller, TX 76244	Seymour, TX 76380