

Item No.	Quantity	Units	Description	Engineers Estimate	KSK, LLC	Bid Est %	Over/(Under)
1	1	LS	Clearing and Grubbing: this work consists of clearing, grubbing, removing, and disposing of vegetation and debris within the limits of the right of way, easement areas, borrow pits, and other areas shown in the Contract or required by the work. Measurement and payment shall be in accordance with the City of Rifle Public Works Manual Section 3.2 and construction requirements shall be in accordance with CDOT Standard Specifications Section 201. Vegetation and objects designated to remain shall be preserved free from injury or defacement.	\$ 20,000.00 \$ 20,000.00	\$ 9,500.00 \$ 9,500.00	48%	\$ (10,500.00)
2	414	SY/IN	Cold Milling: this work consists of the removal and disposal of pavement and sawing and cutting to facilitate controlled breaking and removal of asphalt to a neat line. Measurement and payment shall be in accordance with the City of Rifle Public Works Manual Section 3.2 and construction requirements shall be in accordance with CDOT Standard Specifications Section 202. Materials removed and not designated in the Contract to be salvaged or incorporated into the work shall become the property of the Contractor.	\$ 15.00 \$ 6,210.00	\$ 9.00 \$ 3,726.00	60%	\$ (2,484.00)
3	1	LS	Removal of Debris: this work consists of the removal and disposal of the dirt and debris on the abutment and pier seats of structures.	\$ 2,000.00 \$ 2,000.00	\$ 2,900.00 \$ 2,900.00	145%	\$ 900.00
4	5,422	SF	Removal of Portions of Present Structure: this work consists of the removal and disposal of the metal bridge railing on the bridge and wingwall, concrete rail curb, asphalt, bridge deck, Abutment 2 headwall to the top of girder elevation, and wingwall corners as needed to fit the new bridge deck in accordance with CDOT Standard Specifications Section 202 and as modified by Project Special Provision Section 202. Materials removed and not designated in the Contract to be salvaged or incorporated into the work shall become the property of the Contractor. Payment will be measured by plan area of the deck, wingwall corners, and Abutment 2 Headwall removed. Removal of the metal bridge rail and concrete curb will not be measured and paid for separately but shall be included in the work.	\$ 15.00 \$ 81,330.00	\$ 12.00 \$ 65,064.00	80%	\$ (16,266.00)
5	11	EA	Removal of Ground Sign: this work consists of the removal of signs in accordance with CDOT Standard Specifications Section 202. Materials removed and not designated in the Contract to be salvaged or incorporated into the work shall become the property of the Contractor.	\$ 150.00 \$ 1,650.00	\$ 25.00 \$ 275.00	17%	\$ (1,375.00)
6	2	EA	Removal of small tree (12" caliper or less), if needed.	\$ 300.00 \$ 600.00	\$ 20.00 \$ 40.00	7%	\$ (560.00)
7	1	EA	Removal of large tree, if needed.	\$ 4,000.00 \$ 4,000.00	\$ 25.00 \$ 25.00	1%	\$ (3,975.00)
8	1	EA	Demolition and removal of approximately 30 linear feet of existing abandoned sewer line including grout-fill of no less than 3 feet on each remaining end as shown in the Plans.	\$ 1,000.00 \$ 1,000.00	\$ 1,200.00 \$ 1,200.00	120%	\$ 200.00
9	850	CY	Muck Excavation - After debris removal and topsoil salvage, removal of silt/soils deposited to the new grades and cross sections. Suitable material from this excavation may be utilized as fill for low areas. Includes estimated amount for rip-rap/boulder work in channel.	\$ 8.00 \$ 6,800.00	\$ 33.00 \$ 28,050.00	413%	\$ 21,250.00

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10	18	CY	Embankment Material (Complete in Place): this work consists of excavation, hauling, disposal, placement, and compaction of all material encountered within the limits of the work necessary for the construction of the roadway in accordance with the CDOT Standard Specifications Section 203.	\$ 25.00 \$ 450.00	\$ 95.00 \$ 1,710.00	380%	\$ 1,260.00
11	8	HRS	Potholing for verification of location of utilities, in particular, the upstream sewer sleeve to determine limits of rip-rap.	\$ 200.00 \$ 1,600.00	\$ 250.00 \$ 2,000.00	125%	\$ 400.00
12	64	CY	Topsoil: this work consists of salvaging and stockpiling topsoil, and excavating suitable topsoil from stockpiles, contractor sources, available sources, or from the approved natural ground cover to place on designated areas. It shall include the placing of topsoil upon constructed cut and fill slopes after grading operations are completed. Payment shall be in accordance with City of Rifle Public Works Manual Section 3.52 and materials and construction requirements shall be in accordance with CDOT Standard Specifications Section 207.	\$ 35.00 \$ 2,240.00	\$ 89.00 \$ 5,696.00	254%	\$ 3,456.00
13	20	HOUR	Hydraulic Excavator: this work consists of furnishing a hydraulic excavator, with operator to be used for its intended purposes as directed by the Engineer.	\$ 150.00 \$ 3,000.00	\$ 40.00 \$ 800.00	27%	\$ (2,200.00)
14	20	HOUR	Truck (Dump): this work consists of furnishing a dump truck, with operator to be used for its intended purposes as directed by the Engineer.	\$ 150.00 \$ 3,000.00	\$ 40.00 \$ 800.00	27%	\$ (2,200.00)
15	40	HOUR	Laborer: this work shall consist of furnishing a Laborer in order to complete extra work as directed by the Project Engineer in writing.	\$ 40.00 \$ 1,600.00	\$ 25.00 \$ 1,000.00	63%	\$ (600.00)
16	360	LF	Erosion Log Type 1 (12 Inch): this work consists of constructing, installing, maintaining, and removing when required erosion control measures during the life of the Contractor to prevent or minimize erosion, sedimentation, and polution in accordance with CDOT Standard Specifications Section 208.	\$ 5.00 \$ 1,800.00	\$ 3.00 \$ 1,080.00	60%	\$ (720.00)
17	1	EA	Concrete Washout Structure: this work consists of constructing, installing, maintaining, and removing when required erosion control measures during the life of the Contractor to prevent or minimize erosion, sedimentation, and polution in accordance with CDOT Standard Specifications Section 208.	\$ 2,500.00 \$ 2,500.00	\$ 500.00 \$ 500.00	20%	\$ (2,000.00)
18	2	EA	Vehicle Tracking Pad: this work consists of constructing, installing, maintaining, and removing when required erosion control measures during the life of the Contractor to prevent or minimize erosion, sedimentation, and polution in accordance with CDOT Standard Specifications Section 208.	\$ 2,000.00 \$ 4,000.00	\$ 500.00 \$ 1,000.00	25%	\$ (3,000.00)
19	10	HOUR	Removal and Disposal of Sediment (Labor): this work consists of constructing, installing, maintaining, and removing when required erosion control measures during the life of the Contractor to prevent or minimize erosion, sedimentation, and polution in accordance with CDOT Standard Specifications Section 208.	\$ 40.00 \$ 400.00	\$ 20.00 \$ 200.00	50%	\$ (200.00)
20	10	HOUR	Removal and Disposal of Sediment (Equipment): this work consists of constructing, installing, maintaining, and removing when required erosion control measures during the life of the Contractor to prevent or minimize erosion, sedimentation, and polution in accordance with CDOT Standard Specifications Section 208.	\$ 150.00 \$ 1,500.00	\$ 20.00 \$ 200.00	13%	\$ (1,300.00)
21	40	HOUR	Sweeping (Sediment Removal): this work consists of constructing, installing, maintaining, and removing when required erosion control measures during the life of the Contractor to prevent or minimize erosion, sedimentation, and polution in accordance with CDOT Standard Specifications Section 208.	\$ 150.00 \$ 6,000.00	\$ 20.00 \$ 800.00	13%	\$ (5,200.00)
22	10	HOUR	Removal of Trash: this work consists of constructing, installing, maintaining, and removing when required erosion control measures during the life of the Contractor to prevent or minimize erosion, sedimentation, and polution in accordance with CDOT Standard Specifications Section 208.	\$ 40.00 \$ 400.00	\$ 20.00 \$ 200.00	50%	\$ (200.00)

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23	1	LS	Erosion Control Management: this work consists of constructing, installing, maintaining, and removing when required erosion control measures during the life of the Contractor to prevent or minimize erosion, sedimentation, and pollution in accordance with CDOT Standard Specifications Section 208 and as modified by the Project Special Provisions.	\$ 40,000.00 \$ 40,000.00	\$ 5,000.00 \$ 5,000.00	13%	\$ (35,000.00)
24	1	LS	Dewatering & Temp Diversion: this work consists of temporarily re-aligning Rifle Creek as needed so that channel grading and rip-rap placement can be completed for the permanent re-alignment of Rifle Creek as shown in the plans. Contractor to provide methodology to City prior to initiating work.	\$ 6,000.00 \$ 6,000.00	\$ 17,650.00 \$ 17,650.00	294%	\$ 11,650.00
25	0.29	ACRE	Seeding (Native): this work consists of furnishing and placing seed. This work shall be in accordance with CDOT Standard Specifications Section 212 and accepted horticultural practices.	\$ 1,000.00 \$ 290.00	\$ 800.00 \$ 232.00	80%	\$ (58.00)
26	0.29	ACRE	Soil Conditioning: this work consists of soil preparation and application of conditioners. This work shall be in accordance with CDOT Standard Specifications Section 212 and accepted horticultural practices.	\$ 2,000.00 \$ 580.00	\$ 2,800.00 \$ 812.00	140%	\$ 232.00
27	29	LB	Mulch Tackifier: this work consists of furnishing and placing tackifier on mulch or soil on slopes in accordance with CDOT Standard Specifications Section 213.	\$ 5.00 \$ 145.00	\$ 30.00 \$ 870.00	600%	\$ 725.00
28	1,400	SY	Soil Retention Blanket (Straw-Coconut) (Biodegradable Class 1): this work consists of furnishing, preparing, applying, placing, and securing soil retention blankets and turf reinforcement mats for erosion control on roadway slopes or channels as designated in the Contract in accordance with CDOT Standard Specifications Section 216.	\$ 3.00 \$ 4,200.00	\$ 2.00 \$ 2,800.00	67%	\$ (1,400.00)
29	116	TON	Base Course: this work consists of furnishing and placing CDOT Aggregate Base Course (Class 6) on a prepared subgrade. Measurement and payment shall be in accordance with City of Rifle Public Works Manual Section 3.37 and materials and construction requirements shall be in accordance with CDOT Standard Specifications Section 300.	\$ 40.00 \$ 4,640.00	\$ 43.00 \$ 4,988.00	108%	\$ 348.00
30	86	TON	Hot Mix Asphalt (Grading SX) (75) (PG 58-28): this work consists of constructing one or more courses of hot mix asphalt (HMA) on a prepared base. Measurement and payment shall be in accordance with City of Rifle Public Works Manual Section 3.37 and materials and construction requirements shall be in accordance with CDOT Standard Specifications Section 403.	\$ 100.00 \$ 8,600.00	\$ 75.00 \$ 6,450.00	75%	\$ (2,150.00)
31	900	LF	Pavement marking with paint: this work consists of double centerline striping and fog line striping in accordance with the plans. Measurement and payment shall be in accordance with City of Rifle Public Works Manual Section 3.47. Materials and construction shall be in accordance with City of Rifle Public Works Manual Section 15.	\$ 1.50 \$ 1,350.00	\$ 2.00 \$ 1,800.00	133%	\$ 450.00
32	208	SY	Geotextile (Erosion Control) (Class 1): this work consists of furnishing and installing geotextiles for erosion control. Measurement and payment shall be in accordance with City of Rifle Public Works Manual Section 3.36 and materials and construction requirements shall be in accordance with CDOT Standard Specifications Section 420.	\$ 6.00 \$ 1,248.00	\$ 5.00 \$ 1,040.00	83%	\$ (208.00)
33	440	CY	Riprap (24 Inch)-this work consists of the construction of riprap in conformity with the lines and grades shown on the plans or established. Measurement and payment shall be in accordance with City of Rifle Public Works Manual Section 3.41 and materials and construction requirements shall be in accordance with CDOT Standard Specifications Section 506.	\$ 150.00 \$ 66,000.00	\$ 168.00 \$ 73,920.00	112%	\$ 7,920.00

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34	100	CY	Riprap (6 Inch)-this work consists of the construction of riprap in conformity with the lines and grades shown on the plans or established. Measurement and payment shall be in accordance with City of Rifle Public Works Manual Section 3.41 and materials and construction requirements shall be in accordance with CDOT Standard Specifications Section 506.	\$ 75.00 \$ 7,500.00	\$ 159.00 \$ 15,900.00	212%	\$ 8,400.00
35	20	LF	Epoxy Resin (Injection): this work consists of repairing cracks in the concrete by epoxy injection in accordance with Project Special Provisions Section 519 at the locations shown in the plans or as designated by the Engineer. Excavation and backfill needed to expose the bottom of the crack will not be paid for separately but shall be included in the work.	\$ 50.00 \$ 1,000.00	\$ 250.00 \$ 5,000.00	500%	\$ 4,000.00
36	2,750	EACH	Retrofit/Repair Type III: this work consists of furnishing, fabricating, and installing welded stud shear connectors in accordance with CDOT Standard Specifications Section 509 and to the dimensions, shapes, and design shown on the plans, and to the lines and grades established.	\$ 25.00 \$ 68,750.00	\$ 10.00 \$ 27,500.00	40%	\$ (41,250.00)
37	1	LS	Paint Existing Structure(s): this work consists of containment, surface cleaning, surface preparation, and painting of the existing steel girders as identified in the plans with an approved two coat system in accordance with the manufacturer's specifications.	\$ 60,000.00 \$ 60,000.00	\$ 10,100.00 \$ 10,100.00	17%	\$ (49,900.00)
38	578	SY	Thin Bonded Epoxy Overlay: this work consists of furnishing and placing on an existing concrete bridge deck an overlay system comprised of a two-component epoxy resin system with broadcast aggregate for the purpose of improving skid resistance and sealing the concrete surface. The surface of the concrete shall be prepared and two applications of the epoxy-aggregate system shall be made in accordance with Project Special Provisions Section 519. The Contractor shall install a wearing course that is provided through a single manufacturer.	\$ 50.00 \$ 28,900.00	\$ 96.00 \$ 55,488.00	192%	\$ 26,588.00
39	2	EACH	Bridge Drain: this work shall consist of furnishing and placing bridge drains in accordance with the details shown on the plans and the specifications.	\$ 2,000.00 \$ 4,000.00	\$ 1,800.00 \$ 3,600.00	90%	\$ (400.00)
40	154	CY	Concrete Class D (Bridge): this work consists of furnishing and placing portland cement concrete and preparing concrete surfaces in accordance with CDOT Standard Specifications Section 601 and in conformity with the lines, grades and dimensions as shown on the plans or established. Concrete for bridge railing curb is NOT included in this item. Joint filler material behind abutment headwalls, unreinforced elastomeric leveling pad on top of headwalls, temporary girder bracing, and permanent metal deck forms shall not be paid for separately but shall be included in the work.	\$ 1,000.00 \$ 154,000.00	\$ 836.00 \$ 128,744.00	84%	\$ (25,256.00)
41	247	SY	Structural Concrete Coating: this work consists of furnishing and applying an approved colored Structural Concrete Coating to the concrete surfaces as shown on the plans or established in accordance with CDOT Standard Specifications Section 601. Color shall be coordinated with and approved by the City of Rifle prior to ordering the coating.	\$ 35.00 \$ 8,645.00	\$ 34.00 \$ 8,398.00	97%	\$ (247.00)
42	45,200	LB	Reinforcing Steel (Epoxy Coated): this work consists of furnishing and placing reinforcing steel in accordance with CDOT Standard Specifications Section 602 and in conformity with the plans. Bridge railing curb rebar is NOT included in this item.	\$ 2.00 \$ 90,400.00	\$ 2.00 \$ 90,400.00	100%	\$ -

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43	25	LF	Guardrail Type 3 (31 In MGS): this work consists of the construction of guardrail in accordance with CDOT Standard Specifications Section 606 and CDOT Standard Plan M-606-1 and in conformity with the lines and grades shown on the plans or established. The construction shall include the assembly and erection of all component parts and materials complete at the locations shown on the plans or as directed.	\$ 50.00 \$ 1,250.00	\$ 86.00 \$ 2,150.00	172%	\$ 900.00
44	4	EACH	Transition Type 3G: this work consists of the construction of transitions in accordance with CDOT Standard Specifications Section 606 and CDOT Standard Plan M-606-1 and in conformity with the lines and grades shown on the plans or established. The construction shall include the assembly and erection of all component parts and materials complete at the locations shown on the plans or as directed.	\$ 3,000.00 \$ 12,000.00	\$ 2,985.00 \$ 11,940.00	100%	\$ (60.00)
45	3	EACH	End Anchorage (Nonflared): this work consists of the construction of end anchorages in accordance with CDOT Standard Specifications Section 606 and CDOT Standard Plan M-606-1 and in conformity with the lines and grades shown on the plans or established. The construction shall include the assembly and erection of all component parts and materials complete at the locations shown on the plans or as directed.	\$ 4,000.00 \$ 12,000.00	\$ 3,665.00 \$ 10,995.00	92%	\$ (1,005.00)
46	1	EACH	End Anchorage (Flared): this work consists of the construction of end anchorages in accordance with CDOT Standard Specifications Section 606 and CDOT Standard Plan M-606-1 and in conformity with the lines and grades shown on the plans or established. The construction shall include the assembly and erection of all component parts and materials complete at the locations shown on the plans or as directed.	\$ 3,500.00 \$ 3,500.00	\$ 3,810.00 \$ 3,810.00	109%	\$ 310.00
47	325	LF	Bridge Rail Type 10M Special: this work consists of the construction of bridge rails in accordance with CDOT Standard Specifications Section 606 and CDOT Standard Plan M-606-1 and in conformity with the lines and grades shown on the plans or established. The construction shall include the assembly and erection of all component parts and materials complete at the locations shown on the plans or as directed. This includes but is not limited to the bridge railing, posts, concrete curbs, curb reinforcement, shop drawings, and treatment of the bridge railing.	\$ 300.00 \$ 97,500.00	\$ 168.00 \$ 54,600.00	56%	\$ (42,900.00)
48	100	LF	Fence (Plastic): this work consists of the construction and removal of temporary plastic fence in accordance with City of Rifle Public Works Manual Section 3.32 and CDOT Standard Specifications Section 607 and in conformity with the lines and grades shown on the plans or established.	\$ 5.00 \$ 500.00	\$ 2.00 \$ 200.00	40%	\$ (300.00)
49	1	LS	Mobilization: this work consists of the mobilization of personnel, equipment and supplies at the project site in preparation for work on the project and shall be in accordance with City of Rifle Public Works Manual Section 3.46. This item shall also include the establishment of the Contractor's offices, buildings and other necessary facilities and all other costs incurred or labor and operations which must be performed prior to beginning the other items under the Contract.	\$ 100,000.00 \$ 100,000.00	\$ 141,597.00 \$ 141,597.00	142%	\$ 41,597.00

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50	1	LS	Traffic Control: this work consists of furnishing, installing, moving, maintaining, and removing temporary traffic signs, advance warning arrow panels, flashing beacon (portable), barricades, channelizing devices, delineators, temporary traffic signals, temporary portable rumble strips, mobile pavement marking zones, temporary emergency pull-off areas, masking and unmasking existing signs in construction zones, and concrete barriers as required by the Manual on Uniform Traffic Control Devices for Streets and Highways and the Colorado Supplement thereto, in accordance with the Contract and City of Rifle Public Works Manual Section 3.46. Devices shall comply with the performance criteria contained in NCHRP Report 350 (only applicable for devices developed prior to 2011) or MASH (acceptable for all devices). Devices temporarily not in use shall, as a minimum, be removed from the shoulder area. Moving will include devices removed from the project and later returned to use. This work also includes Traffic Control Management, Traffic Control Inspection, flagging and pilot car operation.	\$ 30,000.00 \$ 30,000.00	\$ 10,000.00 \$ 10,000.00	33%	\$ (20,000.00)
51	1	EA	Sanitary Facility: the Contractor shall furnish sanitary facilities when called for on the plans or as directed in accordance with CDOT Standard Specifications Section 620. These units are to be maintained by the Contractor and shall be removed when the project is completed unless released earlier by the Engineer.	\$ 2,000.00 \$ 2,000.00	\$ 1,250.00 \$ 1,250.00	63%	\$ (750.00)
52	1	LS	Construction Surveying: this work consists of the construction surveying, calculating, and staking necessary for the construction of all elements of the project in accordance with CDOT Standard Specifications Section 625. The work shall be done under the supervision of a Professional Land Surveyor (PLS) or Professional Engineer (PE) who is experienced and competent in road and bridge construction surveying and licensed in the State of Colorado. The PLS or PE shall be available to review work, resolve problems, and make decisions in a timely manner. All survey procedures shall be in conformance with the CDOT Survey Manual.	\$ 6,000.00 \$ 6,000.00	\$ 12,000.00 \$ 12,000.00	200%	\$ 6,000.00
53	1	FA	Girder Repair-this work consists of repairs of the girder authorized and approved by the Engineer, which is not included in the contract drawings or specifications, and is necessary to maintain sufficient load carrying capacity of the girders.	\$ 10,000.00 \$ 10,000.00	\$ 10,000.00 \$ 10,000.00	100%	\$ -
54	1	FA	Minor Contract Revisions-this work consists of minor work authorized and approved by the Engineer, which is not included in the contract drawings or specifications, and is necessary to accomplish the scope of work of this contract.	\$ 20,000.00 \$ 20,000.00	\$ 20,000.00 \$ 20,000.00	100%	\$ -
				\$ 1,003,078.00	\$ 866,000.00	86%	\$ (137,078.00)