

**BLUE RIVER: SPRUCE CREEK RD ALTERNATIVE 1 (PAVING TO CROWN DR)
PRELIMINARY-LEVEL ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST**

PREPARED BY
MULLER ENGINEERING COMPANY, INC.
March 6, 2024

			PROJECT TOTALS		
ITEM NUMBER	MAJOR CONSTRUCTION ITEMS	UNIT	TOTAL QUANTITY	UNIT PRICE	COST
203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	1,168	\$30.00	\$35,040.00
203-01100	PROOF ROLLING	HOUR	20	\$150.00	\$3,000.00
203-01597	POTHOLING	HOUR	20	\$225.00	\$4,500.00
206-00000	STRUCTURAL EXCAVATION	CY	23	\$50.00	\$1,150.00
207-00205	TOPSOIL	CY	274	\$60.00	\$16,440.00
210-00810	RESET GROUND SIGN	EACH	2	\$350.00	\$700.00
210-02018	RELAY PIPE (18 INCH)	LF	45	\$100.00	\$4,500.00
212-00006	SEEDING (NATIVE)	ACRE	0.34	\$5,000.00	\$1,700.00
213-00000	MULCHING	ACRE	0.34	\$5,000.00	\$1,700.00
304-06000	AGGREGATE BASE COURSE (CLASS 6)	TON	135	\$40.00	\$5,400.00
403-34721	HOT MIX ASPHALT (GRADING SX) (75) (PG 58-28)	TON	742	\$200.00	\$148,400.00
411-10255	EMULSIFIED ASPHALT (SLOW SETTING)	GAL	133	\$4.00	\$532.00
506-00209	RIPRAP (9 INCH)	CY	23	\$200.00	\$4,600.00
603-30012	12 INCH STEEL END SECTION	EACH	2	\$300.00	\$600.00
603-30018	18 INCH STEEL END SECTION	EACH	2	\$400.00	\$800.00
603-50012	12 INCH PLASTIC PIPE	LF	26	\$75.00	\$1,950.00
603-50018	18 INCH PLASTIC PIPE	LF	50	\$115.00	\$5,750.00
SUBTOTAL OF MAJOR CONSTRUCTION ITEMS					\$236,762
MINOR CONSTRUCTION ITEMS (45%) (Clearing and Grubbing, Traffic Control, Mobilization, Survey, etc.)					\$106,543
CONSTRUCTION ENGINEERING (15%)					\$51,496
TOTAL CONSTRUCTION COST					\$394,801
TOTAL CONSTRUCTION COST (ROUNDED)					\$400,000

NOTE: AGGREGATE BASE COURSE QUANTITY ASSUMES EXISTING ROADWAY MATERIAL CAN BE REUSED. ASSUME 1" OF MATERIAL REQUIRED.

**BLUE RIVER: SPRUCE CREEK RD ALTERNATIVE 2 (PAVING THROUGH GOLD NUGGET)
PRELIMINARY-LEVEL ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST**

PREPARED BY
MULLER ENGINEERING COMPANY, INC.
March 6, 2024

			PROJECT TOTALS		
ITEM NUMBER	MAJOR CONSTRUCTION ITEMS	UNIT	TOTAL QUANTITY	UNIT PRICE	COST
203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	987	\$30.00	\$29,610.00
203-01100	PROOF ROLLING	HOUR	17	\$150.00	\$2,550.00
203-01597	POTHOLING	HOUR	20	\$225.00	\$4,500.00
206-00000	STRUCTURAL EXCAVATION	CY	15	\$50.00	\$750.00
207-00205	TOPSOIL	CY	226	\$60.00	\$13,560.00
210-00810	RESET GROUND SIGN	EACH	2	\$350.00	\$700.00
210-02018	RELAY PIPE (18 INCH)	LF	45	\$100.00	\$4,500.00
212-00006	SEEDING (NATIVE)	ACRE	0.28	\$5,000.00	\$1,400.00
213-00000	MULCHING	ACRE	0.28	\$5,000.00	\$1,400.00
304-06000	AGGREGATE BASE COURSE (CLASS 6)	TON	103	\$40.00	\$4,120.00
403-34721	HOT MIX ASPHALT (GRADING SX) (75) (PG 58-28)	TON	566	\$200.00	\$113,200.00
411-10255	EMULSIFIED ASPHALT (SLOW SETTING)	GAL	103	\$4.00	\$412.00
506-00209	RIPRAP (9 INCH)	CY	15	\$200.00	\$3,000.00
603-30018	18 INCH STEEL END SECTION	EACH	2	\$400.00	\$800.00
603-50018	18 INCH PLASTIC PIPE	LF	50	\$115.00	\$5,750.00
SUBTOTAL OF MAJOR CONSTRUCTION ITEMS					\$186,252
MINOR CONSTRUCTION ITEMS (45%) (Clearing and Grubbing, Traffic Control, Mobilization, Survey, etc.)					\$83,813
CONSTRUCTION ENGINEERING (15%)					\$40,510
TOTAL CONSTRUCTION COST					\$310,575
TOTAL CONSTRUCTION COST (ROUNDED)					\$320,000

NOTE: AGGREGATE BASE COURSE QUANTITY ASSUMES EXISTING ROADWAY MATERIAL CAN BE REUSED. ASSUME 1" OF MATERIAL REQUIRED.

BLUE RIVER: SPRUCE CREEK RD ALTERNATIVE 3 (INTERSECTION PAVING ONLY, IMPROVEMENTS THROUGH MINERS CT)

PRELIMINARY-LEVEL ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST

PREPARED BY

MULLER ENGINEERING COMPANY, INC.

March 6, 2024

			PROJECT TOTALS		
ITEM NUMBER	MAJOR CONSTRUCTION ITEMS	UNIT	TOTAL QUANTITY	UNIT PRICE	COST
203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	637	\$30.00	\$19,110.00
203-01100	PROOF ROLLING	HOUR	10	\$150.00	\$1,500.00
203-01597	POTHOLING	HOUR	20	\$225.00	\$4,500.00
207-00205	TOPSOIL	CY	137	\$60.00	\$8,228.00
210-00810	RESET GROUND SIGN	EACH	2	\$350.00	\$700.00
210-02018	RELAY PIPE (18 INCH)	LF	45	\$100.00	\$4,500.00
212-00006	SEEDING (NATIVE)	ACRE	0.17	\$5,000.00	\$850.00
213-00000	MULCHING	ACRE	0.17	\$5,000.00	\$850.00
304-06000	AGGREGATE BASE COURSE (CLASS 6)	TON	44	\$40.00	\$1,760.00
403-34721	HOT MIX ASPHALT (GRADING SX) (75) (PG 58-28)	TON	110	\$200.00	\$22,000.00
411-10255	EMULSIFIED ASPHALT (SLOW SETTING)	GAL	20	\$4.00	\$80.00
SUBTOTAL OF MAJOR CONSTRUCTION ITEMS					\$64,078
MINOR CONSTRUCTION ITEMS (45%) (Clearing and Grubbing, Traffic Control, Mobilization, Survey, etc.)					\$28,835
CONSTRUCTION ENGINEERING (15%)					\$13,937
TOTAL CONSTRUCTION COST					\$106,850
TOTAL CONSTRUCTION COST (ROUNDED)					\$110,000

NOTE: AGGREGATE BASE COURSE QUANTITY ASSUMES EXISTING ROADWAY MATERIAL CAN BE REUSED. ASSUME 1" OF MATERIAL REQUIRED.

BLUE RIVER: SPRUCE CREEK RD ALTERNATIVE 3 (INTERSECTION GRADING ONLY)

PRELIMINARY-LEVEL ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST

PREPARED BY

MULLER ENGINEERING COMPANY, INC.

March 6, 2024

ITEM NUMBER	MAJOR CONSTRUCTION ITEMS	UNIT	PROJECT TOTALS		
			TOTAL QUANTITY	UNIT PRICE	COST
203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	546	\$30.00	\$16,380.00
203-01100	PROOF ROLLING	HOUR	10	\$150.00	\$1,500.00
203-01597	POTHOLING	HOUR	20	\$225.00	\$4,500.00
207-00205	TOPSOIL	CY	137	\$60.00	\$8,228.00
210-00810	RESET GROUND SIGN	EACH	2	\$350.00	\$700.00
210-02018	RELAY PIPE (18 INCH)	LF	45	\$100.00	\$4,500.00
212-00006	SEEDING (NATIVE)	ACRE	0.17	\$5,000.00	\$850.00
213-00000	MULCHING	ACRE	0.17	\$5,000.00	\$850.00
304-06000	AGGREGATE BASE COURSE (CLASS 6)	TON	44	\$40.00	\$1,760.00
SUBTOTAL OF MAJOR CONSTRUCTION ITEMS					\$39,268
MINOR CONSTRUCTION ITEMS (45%) (Clearing and Grubbing, Traffic Control, Mobilization, Survey, etc.)					\$17,671
CONSTRUCTION ENGINEERING (15%)					\$8,541
TOTAL CONSTRUCTION COST					\$65,479
TOTAL CONSTRUCTION COST (ROUNDED)					\$70,000

NOTE: AGGREGATE BASE COURSE QUANTITY ASSUMES EXISTING ROADWAY MATERIAL CAN BE REUSED. ASSUME 1" OF MATERIAL REQUIRED.