

River Road - Preliminary Cost Estimate - Option #1 - Rigid Frame

Item Description	Quantity	Unit	Unit Price	Item Price
Class 1 Excavation	500	CY	\$35.00	\$17,500.00
Structural Backfill	500	CY	\$50.00	\$25,000.00
Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00
Pavement Base Course	200	SY	\$30.00	\$6,000.00
SUBBASE 6" DEPTH (NO. 2A)	200	SY	\$20.00	\$4,000.00
Wearing course	200	SY	\$25.00	\$5,000.00
Mobilization	1	LS	\$18,000.00	\$18,000.00
Permanent Impact Attenuating Device, Type II, Test Level 2, Tangent (Mash)	4	EA	\$3,200.00	\$12,800.00
Type 31-S Guide Rail	250	LF	\$30.00	\$7,500.00
Construction Surveying, Type D	1	LS	\$7,500.00	\$7,500.00
Maintenance and Protection of Traffic	1	LS	\$5,000.00	\$5,000.00
Removal of Existing Bridge	1	LS	\$10,000.00	\$10,000.00
Precast Rigid Frame, As Designed	1	LS	\$261,032.00	\$261,032.00
Soil Erosion Control	1	LS	\$15,000.00	\$15,000.00
Site Restoration	1	LS	\$10,000.00	\$10,000.00

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<b>CULVERT AND APPROACH ROADWAY CONSTRUCTION</b>	\$414,332.00
<b>20% CONTINGENCY</b>	\$82,866.40
<b>TOTAL</b>	\$497,198.40

Cost: 2021 <sup>QA</sup>



PRELIMINARY COST ESTIMATE						
ITEM NO	DESCRIPTION	SP*	UNIT	QUANTITY	UNIT PRICE	TOTAL
0201-0001	CLEARING AND GRUBBING		LS	1	\$ 7,500.00	\$ 7,500.00
0203-0001	CLASS 1 EXCAVATION		CY	239	\$ 30.00	\$ 7,170.00
0313-0322	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH		SY	191	\$ 45.00	\$ 8,595.00
0350-0108	SUBBASE 8" DEPTH (NO. 2A)		SY	191	\$ 30.00	\$ 5,730.00
0413-0195	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-L		SY	191	\$ 25.00	\$ 4,775.00
0608-0001	MOBILIZATION		LS	1	\$ 40,000.00	\$ 40,000.00
0620-0400	TERMINAL SECTION, SINGLE		EA	4	\$ 200.00	\$ 800.00
0620-1600	TYPE 31-S GUIDE RAIL		LF	200	\$ 45.00	\$ 9,000.00
0686-0050	CONSTRUCTION SURVEYING, TYPE D		LS	1	\$ 5,000.00	\$ 5,000.00
0850-0025	ROCK, CLASS R-7		CY	88	\$ 250.00	\$ 22,000.00
0901-0001	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION	x	LS	1	\$ 5,000.00	\$ 5,000.00
5018-0060	REMOVAL OF EXISTING CULVERT, MODIFIED	x	LS	1	\$ 10,000.00	\$ 10,000.00
8420-0001	PRECAST REINFORCED CONCRETE RIGID FRAME - 19' SPAN X 10' RISE	x	LS	1	\$ 395,560.00	\$ 395,560.00
9000-0009	SOIL EROSION CONTROL	x	LS	1	\$ 15,000.00	\$ 15,000.00
9000-0010	SITE RESTORATION	x	LS	1	\$ 7,500.00	\$ 7,500.00

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\* Special Provision

TOTAL BASE BID \$ 543,630.00  
 CONTINGENCY (20%) \$ 108,726.00  
 TOTAL \$ 652,356.00

Cost: 2023

BID COMPONENT ITEM SCHEDULE  
FOR ITEM 8420-0001

PRECAST REINFORCED CONCRETE RIGID FRAME - 19' SPAN X 10' RISE				
DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
CLASS 3 EXCAVATION	CY	779	\$ 50.00	\$ 38,950.00
STRUCTURE BACKFILL	CY	122	\$ 75.00	\$ 9,150.00
MEMBRANE WATERPROOFING SYSTEM INSTALLED ON OTHER SURFACES	SY	106	\$ 60.00	\$ 6,360.00
NO. 2A COARSE AGGREGATE	CY	22	\$ 50.00	\$ 1,100.00
NO. 57 COARSE AGGREGATE	CY	5	\$ 120.00	\$ 600.00
CLASS AA CEMENT CONCRETE *	CY	8	\$ 1,800.00	\$ 14,400.00
CLASS A CEMENT CONCRETE *	CY	30	\$ 2,500.00	\$ 75,000.00
PA 3-RAIL BRIDGE BARRIER	LF	32	\$ 200.00	\$ 6,400.00
PRECAST REINFORCED CONCRETE WINGWALLS	EACH	4	\$ 26,500.00	\$ 106,000.00
PRECAST REINFORCED CONCRETE RIGID FRAME CULVERT SEGMENTS	LF	40	\$ 3,440.00	\$ 137,600.00

\* Reinforcement incidental to the item.

**SUBTOTAL: \$ 395,560.00**