



BIA 6 Phase 1 Reconstruction Cost Estimate

Concept Cost Estimate (based upon 2020 bid price information) Prepared By: SRF Consulting Group, Inc., February 2023

ITEM DESCRIPTION					UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT
PAVING AND GRADING COSTS								
GrP 1a	Excavation				cu. vd.	\$15.00	69,137	\$1,037,055
GrP 1b	2106 Excavation - muck				cu. vd.	\$18.00		
GrP 1c	2106 Excavation - rock				cu. vd.	\$100.00		
GrP 2a	Borrow Excavation				cu. vd.	\$14.00	24,310	\$340,340
GrP 2b	Topsoil				cu. vd.	\$5.00	79,749	\$398,745
GrP 2c	2106 Select Granular - Structural Backfill (CV)				cu. vd.	\$16.00		
GrP 2d	2106 Granular Subgrade (CV)				cu. vd.	\$15.00		
GrP 3a	RAP Superpave FAA 42	(1)			Ton	\$55.00	45,392	\$2,496,577
GrP 3b	Base	(1)			Ton	\$30.00	72,182	\$2,165,464
GrP 3c	Subgrade Prep	(1)			Sta	\$500.00	390	\$195,000
GrP 3d	PG 58S-28	(1)			Ton	\$700.00	2,270	\$1,588,730.94
GrP 3e	County Road Pavement	(1)			sq. vd.	TBD		
GrP 3f	County Road Shoulder Pavement	(1)			sq. vd.	TBD		
GrP 3g	Local & Frontage Road Pavement	(1)			sq. vd.	TBD		
GrP 3h	Driveway Pavement	(1)			sq. vd.	\$20.00		
GrP 3i	Driveway Pavement - Concrete	(1)			sq. vd.	\$90.00		
GrP 4a	Concrete Walk / Trail / Median	(2)			sq. vd.	\$75.00		
GrP 4b	Bituminous Walk / Trail	(2)			sq. vd.	\$40.00		
GrP 4c	ADA Pedestrian Curb Ramp				each	\$1800.00		
GrP 5	Concrete Curb and Gutter				lin. ft.	\$27.00		
GrP 6	Concrete Median Barrier (Permanent)				lin. ft.	\$125.00		
GrP 7	Milling				SY	\$1.25	122,223	\$152,779
GrP 8a	Removals - Agg base				Ton	\$12.00	72,182	\$866,186
GrP 8b	Rumbles CL				Mile	\$1,050	8	\$7,875
GrP 8c	Rumbles Edge				Mile	\$925	15	\$13,783
SUBTOTAL PAVING AND GRADING COSTS:								\$9,262,534
DRAINAGE, UTILITIES AND EROSION CONTROL								
Dr 1	Local Utilities - Sanitary Sewers				lin. ft.			
Dr 2	Local Utilities - Watermains				lin. ft.			
Dr 3	Water Quality Ponds				l.s.			
Dr 4	Wetland Mitigation				l.s.			
Dr 5	Drainage - Rural				3%			\$278,000
Dr 6	Drainage - rural	(3)			mile			
Dr 7	Turf Establishment & Erosion Control				5%			\$464,000
Dr 8	Landscaping							
SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL								\$742,000
SIGNING & STRIPING COSTS								
SGN 1	Mainline Signing (C&D)			Lump Sum		\$10,000	1.0	\$10,000
SGN 2	Mainline Striping			LF		\$0.08	112000.0	\$8,960
SGN 3	Temp Striping			LF		\$0.12	100284.0	\$12,034
SUBTOTAL SIGNING & STRIPING COSTS:								\$30,994
SUBTOTAL CONSTRUCTION COSTS:								\$10,035,528
MISCELLANEOUS COSTS								
M 1	Mobilization			8%				\$803,000
M 2	Non Quantified Minor Items			5%				\$502,000
M3	Anti Icing System			Lump Sum				
M 4	Roadway Weather Information System (RWIS)			Lump Sum				
M 7	Temporary Pavement & Drainage							
M 8	Traffic Control			3%				\$302,000
SUBTOTAL MISCELLANEOUS COSTS:								\$1,607,000
ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:								\$11,642,528
1	Contingency or "risk"			5%				\$583,000
ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:								\$12,225,528
OTHER PROJECT COSTS:								
RAILROAD AGREEMENTS					Lump Sum	\$1		
UTILITY AGREEMENTS					Lump Sum	\$1		
TURN BACK AGREEMENTS					Lump Sum	\$1		
PROJECT MITIGATION					Lump Sum	\$1		
R/W ACQUISITIONS					Lump Sum	\$500,000	1	\$500,000
					Lump Sum			
DESIGN ENG. & CONSTRUCTION ADMIN.					Lump Sum	15%		\$1,834,000
SUBTOTAL OTHER PROJECT COSTS								\$2,334,000
TOTAL PROJECT COST								\$14,559,528
INFLATION COST (CURRENT YR. TO YR. OF OPEN								
					Years	3%		
TOTAL PROJECT COST (OPENING YEAR DOLLARS)								\$14,559,528

NOTE:

(1) Includes aggregate base class 5 and PASB or OGAB, as appropriate.

(2) Includes aggregate base class 5.

(3) Does not include pavement edge drains, see separate item.

(4) Does not include excavation or backfill.

(5) Assumes Mn/DOT Standard Plan Sheet designs; does not include excavation or backfill.

(6) Does not include Moment Slab.

(7) Includes moment slab and concrete barrier.

(8) Tie back system required for exposed retained heights greater than 15 Feet. This cost is additional to the item for terr

Utility Agreements based upon:

R/W Acquisitions based upon: