

FOR INFORMATION ONLY

Alternative 1 - Bridge Rehabilitation

Deck/railing/sidewalk replacement, scour repair, steel girder cleaning and re-coating

Item No.	Description	Unit	Quantity	Unit Price	Cost
202	Removal of Asphalt Mat	SY	67	\$ 35	\$ 2,333
202	Removal of Bridge Railing	LF	204	\$ 15	\$ 3,060
202	Removal of Guardrail	LF	65	\$ 20	\$ 1,300
202	Removal of Portions of Present Structure (Bridge Curb and Sidewalk)	LS	1	\$ 7,000	\$ 7,000
202	Removal of Portions of Present Structure (Deck)	SF	3324	\$ 13	\$ 43,212
202	Sandblasting	SF	4641	\$ 15	\$ 69,615
203	Unclassified Excavation	CY	250	\$ 95	\$ 23,750
211	Temporary Dewatering/Cofferdam	LS	1	\$ 350,000	\$ 350,000
403	Hot Mix Asphalt (Special)	TON	19	\$ 20	\$ 370
420	Geotextile	SY	376	\$ 5	\$ 1,878
506	Riprap (36 Inch)	CY	905	\$ 450	\$ 407,250
508	Paint Structural Steel (Girders) (Special)	LF	1428	\$ 120	\$ 171,360
509	Structural Steel (Headed Studs)	LB	7300	\$ 25	\$ 182,500
518	Bridge Expansion Device	LF	74	\$ 390	\$ 28,782
601	Concrete Class D (Bridge Deck, Bridge Sidewalk)	CY	106	\$ 1,850	\$ 196,708
602	Reinforcing Steel (Epoxy Coated) (Bridge Deck, Bridge Sidewalk)	LB	10633	\$ 2.5	\$ 26,582
606	Bridge Rail Type 10 MASH	LF	204	\$ 400	\$ 81,600
606	End Anchorage Type 3K	EACH	4	\$ 3,800	\$ 15,200
606	Guardrail Type 3 (6-3 Post Spacing)	LF	70	\$ 130	\$ 9,100
606	Transition Type 3G	EACH	4	\$ 5,500	\$ 22,000
606	Transition Type 3J	EACH	4	\$ 5,000	\$ 20,000
607	Scaffolding, Containment, and Disposal	LS	1	\$ 250,000	\$ 250,000

\$ 1,913,601

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Alternative 2 - Bridge Replacement: Single Span Prefabricated Steel Truss

Item No.	Description	Unit	Quantity	Unit Price	Cost
202	Removal of Bridge	LS	1	\$ 400,000	\$ 400,000
202	Removal of Asphalt Mat	SY	160	\$ 35	\$ 5,600
202	Removal of Guardrail	LF	65	\$ 20	\$ 1,300
206	Filter Material (Class B)	CY	34	\$ 300	\$ 10,133
206	Mechanical Reinforcement of Soil	CY	365	\$ 90	\$ 32,832
206	Structure Backfill (Class 1)	CY	365	\$ 120	\$ 43,776
206	Structure Backfill (Class 2)	CY	17	\$ 200	\$ 3,378
206	Structure Excavation	CY	304	\$ 120	\$ 36,480
203	Unclassified Excavation	CY	160	\$ 95	\$ 15,200
206	Temporary Excavation Support	LS	1	\$ 403,200	\$ 403,200
211	Temporary Dewatering/Cofferdam	LS	1	\$ 350,000	\$ 350,000
403	Hot Mix Asphalt (Special)	TON	50	\$ 350	\$ 17,596
502	Steel Piling (HP 12x74)	LF	160	\$ 160	\$ 25,600
506	Riprap (36 Inch)	CY	701	\$ 450	\$ 315,259
601	Concrete Class D (Bridge)	CY	131	\$ 1,850	\$ 242,819
602	Reinforcing Steel (Epoxy Coated)	LB	17645	\$ 2.5	\$ 44,111
601	Concrete Retaining Wall	SF	495	\$ 250	\$ 123,750
606	End Anchorage Type 3K	EACH	4	\$ 3,800	\$ 15,200
606	Guardrail Type 3 (6-3 Post Spacing)	LF	70	\$ 130	\$ 9,100
606	Transition (Special)	EACH	4	\$ 6,000	\$ 24,000
606	Transition Type 3J	EACH	4	\$ 5,000	\$ 20,000
950	Prefabricated Steel Truss Bridge (by CONTECH®)	LS	1	\$ 650,325	\$ 650,325
950	Truss Erection	LS	1	\$ 325,163	\$ 325,163
					\$ 3,114,823

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Alternative 3 - Bridge Replacement: Single Span Steel Girder

Item No.	Description	Unit	Quantity	Unit Price	Cost
202	Removal of Bridge	EACH	1	\$ 400,000	\$ 400,000
202	Removal of Asphalt Mat	SY	136	\$ 35	\$ 4,760
202	Removal of Guardrail	LF	65	\$ 20	\$ 1,300
206	Filter Material (Class B)	CY	30	\$ 300	\$ 9,067
206	Mechanical Reinforcement of Soil	CY	326	\$ 90	\$ 29,376
206	Structure Backfill (Class 1)	CY	326	\$ 120	\$ 39,168
206	Structure Backfill (Class 2)	CY	15	\$ 200	\$ 3,022
206	Structure Excavation	CY	272	\$ 120	\$ 32,640
203	Unclassified Excavation	CY	228	\$ 95	\$ 21,674
206	Temporary Excavation Support	LS	1	\$ 403,200	\$ 403,200
211	Temporary Dewatering/Cofferdam	LS	1	\$ 350,000	\$ 350,000
403	Hot Mix Asphalt (Special)	TON	45	\$ 350	\$ 15,744
502	Steel Piling (HP 12x74)	LF	140	\$ 160	\$ 22,400
506	Riprap (36 Inch)	CY	228	\$ 450	\$ 102,667
509	Structural Steel	LB	107453	\$ 15	\$ 1,611,792
512	Bearing Device (Type I)	EACH	6	\$ 3,500	\$ 21,000
512	Bearing Device (Type II)	EACH	6	\$ 8,500	\$ 51,000
601	Concrete Class D (Bridge)	CY	168	\$ 1,850	\$ 311,528
602	Reinforcing Steel (Epoxy Coated)	LB	21182	\$ 2.5	\$ 52,954
601	Concrete Retaining Wall	SF	525	\$ 250	\$ 131,250
606	Bridge Rail Type 10MASH	LF	164	\$ 400	\$ 65,600
606	End Anchorage Type 3K	EACH	4	\$ 3,800	\$ 15,200
606	Guardrail Type 3 (6-3 Post Spacing)	LF	70	\$ 130	\$ 9,100
606	Transition Type 3G	EACH	4	\$ 5,500	\$ 22,000
606	Transition Type 3J	EACH	4	\$ 5,000	\$ 20,000

\$ 3,346,441

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Alternative 4a - Bridge Replacement: 2-Span Steel Girder

Item No.	Description	Unit	Quantity	Unit Price	Cost
202	Removal of Asphalt Mat	SY	136	\$ 35	\$ 4,760
202	Removal of Bridge	EACH	1	\$ 400,000	\$ 400,000
202	Removal of Guardrail	LF	65	\$ 20	\$ 1,300
206	Filter Material (Class B)	CY	30	\$ 300	\$ 9,067
206	Mechanical Reinforcement of Soil	CY	326	\$ 90	\$ 29,376
206	Structure Backfill (Class 1)	CY	326	\$ 120	\$ 39,168
206	Structure Backfill (Class 2)	CY	15	\$ 200	\$ 3,022
206	Structure Excavation	CY	272	\$ 120	\$ 32,640
203	Unclassified Excavation	CY	342	\$ 95	\$ 32,511
206	Temporary Excavation Support	LS	1	\$ 403,200	\$ 403,200
211	Temporary Dewatering/Cofferdam	LS	1	\$ 450,000	\$ 450,000
403	Hot Mix Asphalt (Special)	TON	45	\$ 350	\$ 15,744
502	Steel Piling (HP 12x74)	LF	480	\$ 160	\$ 76,800
506	Riprap (36 Inch)	CY	342	\$ 450	\$ 154,000
509	Structural Steel	LB	52152	\$ 15	\$ 782,280
512	Bearing Device (Type I)	EACH	5	\$ 3,500	\$ 17,500
512	Bearing Device (Type II)	EACH	10	\$ 8,500	\$ 85,000
601	Concrete Class D (Bridge)	CY	252	\$ 1,850	\$ 465,472
602	Reinforcing Steel (Epoxy Coated)	LB	30588	\$ 2.5	\$ 76,471
601	Concrete Retaining Wall	SF	525	\$ 250	\$ 131,250
606	Bridge Rail Type 10MASH	LF	164	\$ 400	\$ 65,600
606	End Anchorage Type 3K	EACH	4	\$ 3,800	\$ 15,200
606	Guardrail Type 3 (6-3 Post Spacing)	LF	70	\$ 130	\$ 9,100
606	Transition Type 3G	EACH	4	\$ 5,500	\$ 22,000
606	Transition Type 3J	EACH	4	\$ 5,000	\$ 20,000

\$ 3,341,461

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Alternative 4b - Bridge Replacement: 2-Span PS Concrete Girder

Item No.	Description	Unit	Quantity	Unit Price	Cost
202	Removal of Asphalt Mat	SY		\$ 35	\$ -
202	Removal of Bridge	EACH	1	\$ 400,000	\$ 400,000
202	Removal of Guardrail	LF	65	\$ 20	\$ 1,300
206	Filter Material (Class B)	CY	30	\$ 300	\$ 9,067
206	Mechanical Reinforcement of Soil	CY	326	\$ 90	\$ 29,376
206	Structure Backfill (Class 1)	CY	326	\$ 120	\$ 39,168
206	Structure Backfill (Class 2)	CY	15	\$ 200	\$ 3,022
206	Structure Excavation	CY	272	\$ 120	\$ 32,640
203	Unclassified Excavation	CY	342	\$ 95	\$ 32,511
206	Temporary Excavation Support	LS	1	\$ 403,200	\$ 403,200
211	Temporary Dewatering/Cofferdam	LS	1	\$ 450,000	\$ 450,000
403	Hot Mix Asphalt (Special)	TON	45	\$ 350	\$ 15,744
502	Steel Piling (HP 12x74)	LF	480	\$ 160	\$ 76,800
506	Riprap (36 Inch)	CY	342	\$ 450	\$ 154,000
512	Bearing Device (Type I)	EACH	30	\$ 3,500	\$ 105,000
601	Concrete Class D (Bridge)	CY	255	\$ 1,850	\$ 471,871
602	Reinforcing Steel (Epoxy Coated)	LB	30934	\$ 2.5	\$ 77,336
601	Concrete Retaining Wall	SF	525	\$ 250	\$ 131,250
606	Bridge Rail Type 10MASH	LF	164	\$ 400	\$ 65,600
606	End Anchorage Type 3K	EACH	4	\$ 3,800	\$ 15,200
606	Guardrail Type 3 (6-3 Post Spacing)	LF	70	\$ 130	\$ 9,100
606	Transition Type 3G	EACH	4	\$ 5,500	\$ 22,000
606	Transition Type 3J	EACH	4	\$ 5,000	\$ 20,000
618	Prestressed Concrete Slab (Depth 14 Inch)	SF	1640	\$ 150	\$ 246,000
					\$ 2,810,184