

Exhibit 4.3.06 December 2021 Cost Estimate prepared for PennDOT TASA Application

McDade Trail - Bushkill Bridge Construction Cost Estimate*

**DEWA (Steward) Approval of all Construction Elements.*

Total Estimated Projects Costs for 2024		\$ 2,617,500.00
Projected Cost Escalation (2021-2024) 9%	\$	216,100.00
Construction + Inspection Subtotal	\$	2,401,400.00
Construction Inspection 12%	\$	257,300.00
Construction Subtotal	\$	2,144,100.00
Mobilization 8%	\$	139,450.00
Construction Surveying 5%	\$	87,160.00
Erosion and Sediment Control/ Stream Protection 10%	\$	174,320.00
Subtotal: A. B. C. Project Elements. See Descriptions below.	\$	1,743,150.00

A. McDade Trail Pedestrian Bridge*

**DEWA (Steward) Approval of all Construction Elements.*

ECMS ITEM	NUMBER	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COSTS
						\$ 1,328,500.00
	201	Clearing and Grubbing	1	LS	\$ 5,000.00	\$ 5,000.00
	201.1	Riprap Removal	300	CY	\$ 40.00	\$ 12,000.00
	203	Class 4 Excavation	120	CY	\$ 125.00	\$ 15,000.00
	206	Embankment	60	SY	\$ 250.00	\$ 15,000.00
	901	MPT	1	LS		\$ 50,000.00
	1001	Concrete abutments, CIP	1	LS		\$ 200,000.00
		Class AA Concrete piers; wingwalls; foundations				
		Pre-fabricated Steel				
9000-1		Superstructure-220 LF Total Span X 12 LF Width AASHTO Rating: 20,000lbs. Includes bridge engineering.	1	LS	\$ 500,000.00	\$ 500,000.00
9000-2		Superstructure Assembly/Placement Labor -Manufacturer Assembly Labor-General Contractor	1	LS		\$ 500,000.00
9000-3		Concrete Decking 6" depth; AASHTO-H20 Loading	45	CY	\$ 700.00	\$ 31,500.00
						\$ 1,328,500.00

B. McDade Trail Connections to the Bridge*

**DEWA (Steward) Approval of all Construction Elements.*

ECMS ITEM	NUMBER	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
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					\$	47,275.00
203	Class 1 Excavation	120	CY	\$	100.00	\$ 12,000.00
212	Geotextile	365	SY	\$	10.00	\$ 3,650.00
310	Crushed Aggregate Base	365	SY	\$	25.00	\$ 9,125.00
	Signage	1	LS	\$	2,500.00	\$ 2,500.00
9000-5	Two (2) Bridge Approach Treatments-50 LF Ea.	1	LS			\$ 20,000.00
					\$	47,275.00

C. Northern Streambank Stabilization*

*DEWA (Steward) Approval of all Construction Elements.

ECMS ITEM	NUMBER	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
Option #1 Gabions Option						\$ 379,000.00
	201	Clearing and Grubbing	900	SY	\$ 10.00	\$ 9,000.00
	203	Class 1 Excavation	750	CY	\$ 100.00	\$ 80,000.00
	626	Gabions	400	CY	\$ 500.00	\$ 200,000.00
	804	Planting; Established vegetative cover	900	SY	\$ 100.00	\$ 90,000.00
						\$ 379,000.00
Option #2 Pre-Cast Revetment Option						\$ 342,500.00
	201	Clearing and Grubbing	900	SY	\$ 10.00	\$ 9,000.00
	203	Class 1 Excavation	300	CY	\$ 100.00	\$ 30,000.00
	857	Open Concrete Block Revetment System	540	SY	\$ 400.00	\$ 216,000.00
	804	Planting; Established vegetative cover; live stakes	250	SY	\$ 350.00	\$ 87,500.00
						\$ 342,500.00
Option #3 Vertical Rock/Live Stake System Option						\$ 364,500.00
	201	Clearing and Grubbing	900	SY	\$ 10.00	\$ 9,000.00
	203	Class 1 Excavation	450	CY	\$ 100.00	\$ 45,000.00
9000-6	Streambank Stabilization System	540	SY	\$	575.00	\$ 310,500.00
		Rock, Class R-6				\$ 364,500.00
		Geotextile, Class 4 Section 735				
		Topsoil Placement				
		Woven, non-woven fabric				
		Construction forms				
		Live Stakes				

McDade Trail-Bushkill Bridge: Design & Pre-Construction Services Estimate

		<i>TOTAL COST</i>
Total Design & Pre-Construction Services*	\$	325,000.00
*2022 \$		

	RESPONSIBILITY		COST
Final Engineering (Bridge Abutments; Trail Connections; Northern streambank stabilization)	Sponsor / Coord. with DEWA	\$	200,000.00
Geotechnical Investigation	Sponsor / Coord. with DEWA	\$	25,000.00
Archeological Evaluation	Sponsor / Coord. with DEWA	\$	45,000.00
Wetlands Delineation	Sponsor / Coord. with DEWA	\$	25,000.00
CEE Clearances	Sponsor / Coord. with DEWA	\$	15,000.00
Permits	Sponsor / Coord. with DEWA	\$	15,000.00

McDade Trail-Bushkill Bridge: Maintenance Cost Considerations

	RESPONSIBILITY		COST
Bi-ennial Inspection and Report (Reports submitted to DEWA)	Sponsor & Partners	\$	4,000.00
Typical Yearly Maintenance (powerwashing; finish repairs, etc.)	Sponsor & Partners	\$	1,000.00
Concrete Deck replacement (Assumed every 20 years.)	DEWA & Partners		